

**NAVWEPS 16-1-530
NAVSHIPS 94804**

Replacement Guide

SEMICONDUCTOR DEVICE (TRANSISTORS and SEMICONDUCTOR DIODES)

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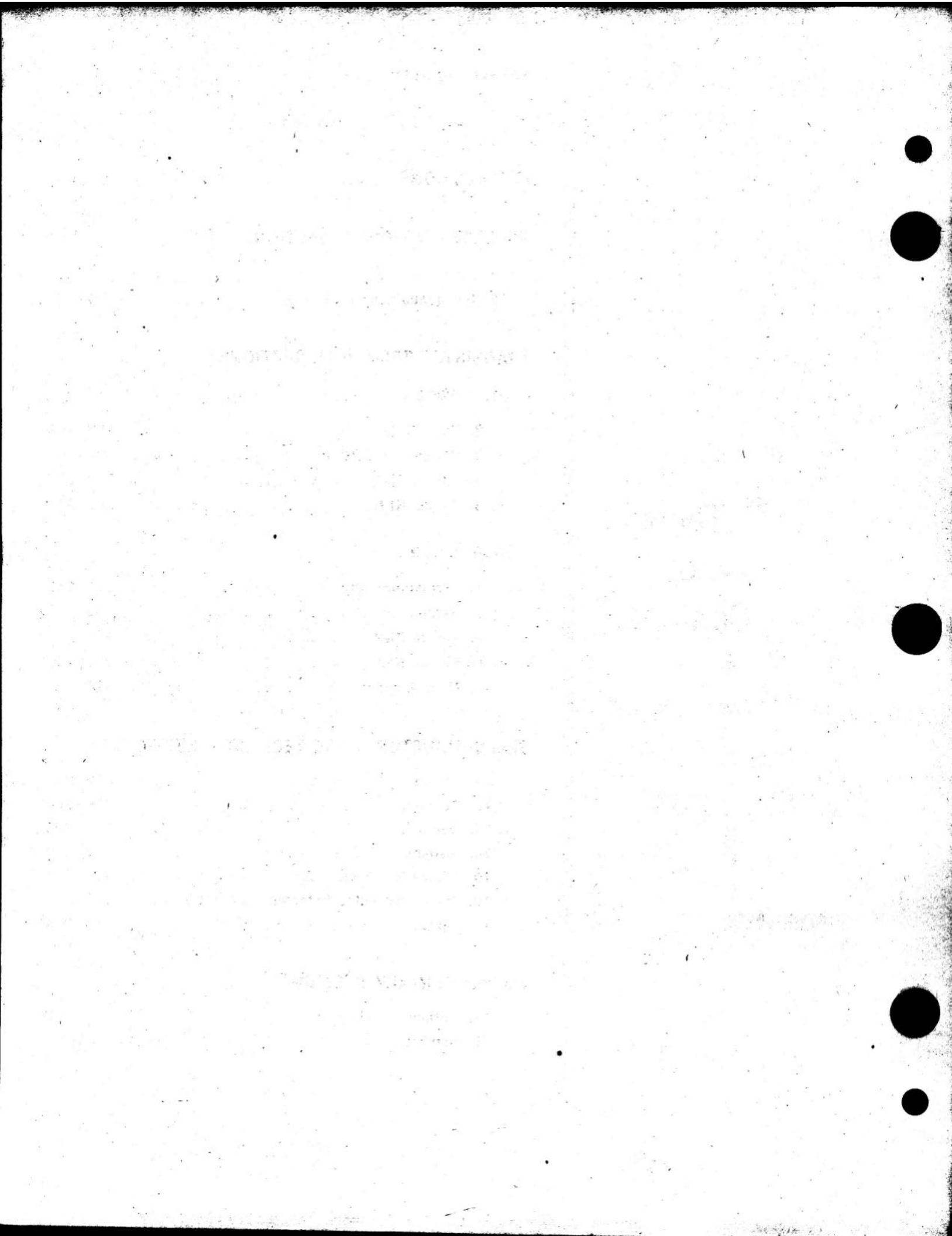
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Table
of
Contents

INSTRUCTIONS	iii
REPLACEMENT GUIDE SECTIONS	
1A. Transistors	1 - 65
1B. Semiconductor Diodes	66 - 185
TRANSISTOR TECHNICAL SECTIONS	
LOW POWER	
2. Germanium PNP	186 - 196
3. Germanium NPN	197 - 199
4. Silicon PNP	200 - 202
5. Silicon NPN	203 - 210
HIGH POWER	
6. Germanium PNP	211 - 218
7. Germanium NPN	219
8. Silicon PNP	219
9. Silicon NPN	220 - 223
10. Miscellaneous	224
SEMICONDUCTOR DIODE TECHNICAL SECTIONS	
11. Diodes	225 - 237
12. Rectifiers	238 - 266
13. Reference	267 - 302
14. Switching	303 - 309
15. Microwave Mixer	310 - 311
16. Microwave Video Detector	312
17. Miscellaneous	313 - 314
SUPPLEMENTARY SECTIONS	
18. Outline Drawings	315 - 363
19. Symbols	Inside Back Cover



INSTRUCTIONS FOR USE OF THE SEMICONDUCTOR DEVICE REPLACEMENT GUIDE

This guide has been prepared to permit the return of equipment to temporary "emergency" operation when an identical substitute is not immediately available for a defective transistor or semiconductor diode. By referring to the guide when a failure occurs, the user is informed of the types that may be used as emergency substitutes for the defective type. If it is desired to compare the key electrical characteristics and dimensional outlines of the replacement types with the original type, technical data are also included in the guide.

**AS SOON AS POSSIBLE, THE SUBSTITUTE TYPE SHOULD BE REPLACED BY
A DEVICE HAVING THE SAME TYPE NUMBER AS THE ORIGINAL DEVICE.**

1. IMPORTANT PRELIMINARY INSTRUCTIONS

a. Explanation of Type Number Sequence

Throughout this guide, type numbers are listed in numeric-alphabetic sequence. In addition, the following rules apply:

1. Alphabetic prefixes before the first set of numbers are not considered in sequencing (SM181 precedes SG187).
2. Zeros appearing before a set of numbers are not considered in sequencing (248C115536 precedes 0251).
3. When numbers are separated by letters or hyphens, the numbers preceding the letters or hyphens are used for sequencing (1901-0011 precedes 3642CR).

b. Omitted Prefixes

Occasionally, the code on a device omits the alphabetic prefix. For example, if a device bears the type number 231642 and C231642 appears in the guide, the two devices are probably one and the same.

c. Alternate Part Numbers

Alternate part numbers, indicated by a # symbol, are numbers not normally used for stock identification. They may, however, appear on devices or drawings. When an alternate part number appears under the column heading, Navy Stock Type to be Replaced, the reader is referred to the basic type number for replacement information.

d. Symbols

Symbols used in the Replacement Sections (Sections 1A and 1B) are explained at the bottom of each page. Symbols used in the Technical Sections (Sections 2 through 17) are explained inside the back cover.

2. HOW TO USE THE GUIDE

a. To Find a Replacement for a Transistor

1. Turn to Section 1A, Transistor Replacements.
2. Locate the type number of the defective transistor, under the heading, Navy Stock Type to be Replaced.
3. Refer to the columns at the right to obtain direct and similar replacement types. Direct replacement types are listed vertically in type number sequence. Similar replacement types are listed, from left to right, in type number sequence.
4. Check the dimensional outlines, shown for the replacement types in Section 18, to determine whether the units will be accommodated by the equipment.
5. Compare the key electrical characteristics of the defective type and the replacement types by referring to the applicable Technical Section shown.

b. To Find a Replacement for a Semiconductor Diode or Rectifier

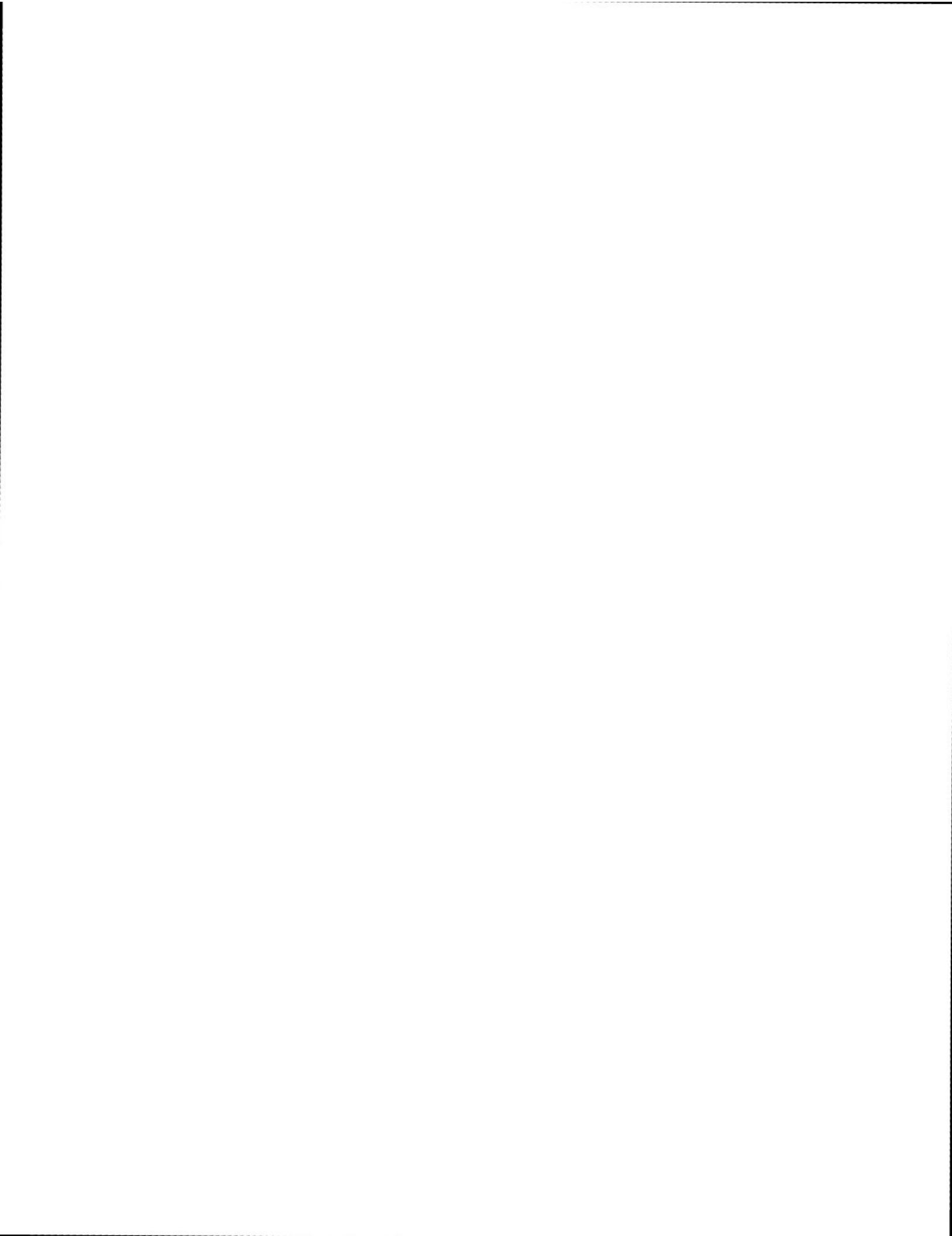
1. Turn to Section 1B, Diode & Rectifier Replacements.
2. Follow the procedure given above for finding transistor replacements — however, when checking replacements, note that all types are direct replacements and are listed, from left to right, in type number sequence.

3. ADDITIONAL CONSIDERATIONS

- a. The replacement of units by the recommended types may, in some cases, necessitate realignment for optimum performance, or require mechanical modification to accommodate the case of the replacement type.
- b. Because one device may replace another satisfactorily in one circuit, but not in another circuit, it may be necessary to try more than one of the suggested substitutes when determining a replacement. If several units of a particular replacement type are on hand, it is also recommended that each unit be tried to determine which one is most suitable as a replacement.
- c. Replacement types listed for multiple-unit devices, pairs, and quads are usually individual units. The replacement of multiple-unit devices will require the use of more than one of the replacement units, properly connected. Occasionally, the pair or quad type numbers are used as replacement types; however, since each unit is individually packaged, one of the units may be used as a replacement.
- d. The listing of a type as a replacement for another type does not necessarily infer bilateral interchangeability.

4. PROPRIETARY NOTICE

Formats for Technical Sections 2 through 17 of this guide are identical to the formats used in the D.A.T.A. TRANSISTOR CHARACTERISTICS TABULATION and the D.A.T.A. SEMICONDUCTOR DIODE & RECTIFIER CHARACTERISTICS TABULATION, and are proprietary. These formats may not be reproduced or used by commercial organizations without the permission of Derivation And Tabulation Associates, Inc., Orange, New Jersey.



1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT					
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
DEP01 #			see 8935901-1							
TR1	TO8	6	2N1183 ▼	TO8	2N1755	MS7	2N1756	MS7	2N1757	MS7
			2N1183A	TO8	2N1758	MS7	CK311	MM3	CK312	MM3
			2N1183B	TO8	CK313	MM3	CK314	MM3	CK411	MT12
					CK412	MT12	CK413	MT12	CK414	MT12
HK1K-80 #			see 617963-1							
CA2D2	TO10	6	2N386 ▼	TO27	2N459 ▼	TO3	2N638A	TO3	2N638B	TO3
			2N387 ▼	TO27	2N2267	TO10	2N2266	TO10	2N2526	TO3
			2N463 ▼	TO32	2N2527	TO3	2N2528	TO3	CTP1112	▼
			USN2N463	TO32	2111275	TO3				
			2N2062	TO3						
			2N2064	TO3						
2N22 #			see A1698							
2N27	N72	3	2N29 ▼	TO9	2N35 ▼	TO22	2N169A ▼	OV5	2N213 ▼	TO22
			2N634 ▼	TO5	2N228 ▼	TO22	2N356A ▼	TO5	2N365 ▼	OV9
			2N634A	TO5	2N377 ▼	TO5	2N377A	TO5	2N438A ▼	TO9
			2N444A ▼	TO5	2N445A ▼	TO5	2N1302	TO5	2N1312	TO9
			2N1672	TO5	2N1808	TO5	2N1993	TO5		
2N29		3	2N27 ▼	N72	2N35 ▼	TO22	2N167 ▼	OV5	2N169A ▼	OV5
			2N634 ▼	TO9	2N213 ▼	TO22	2N228 ▼	TO5	2N356A ▼	TO5
			2N634A	TO5	2N365 ▼	OV9	2N377 ▼	TO5		
			2N444A ▼	TO5	2N438A ▼	TO9	2N445A ▼	TO5	USN2N1302 ▼	TO5
			2N1672	TO5	2N1312	TO9	2N1808	TO5	2N1993	TO5
2N35	TO22	3	2N213 ▼	TO22	2N214 ▼	TO22	2N1173 ▼	TO29	2N1312	TO9
			2N228 ▼	TO22	2N1622	TO5	2N1672	TO5	2N1672A	TO5
			2350739-2 #							
2N43A	RO32	2	2N43	RO32	2N650	TO5	2N1057	RO32	2N1186	TO5
			2N461	TO5	2N1373	TO5				
			2N525	TO5						
			2N1414	TO5						
			2N1924	TO5						
2N44A		2	USAF2N44A ▼	RO32	2N413	TO5	2N524	TO5	2N1056 ▼	
			2N189	TO9	2N1413	TO5	624478	RO31		
			USAF2N461	TO5						
			2N464	TO5						
			TR650	TO5						
USAF2N44A		2	2N44A ▼	RO32	2N413	TO5	2N524	TO5	2N1056 ▼	
			2N189	TO9	2N1413	TO5	624478	RO31		
			USAF2N461	TO5						
			2N464 ▼	TO5						
			TR650	TO5						
2N45		2	GT34HV ▼	RO32	2N44	RO32	2N110 ▼	OV2	2N460 ▼	TO5
			911557-502 ▼	RO32	2N464	TO5	2N524	TO5		
2N49		2	2N1789	TO9	2N113 ▼	OV4	2N271	TO9	2N271A	TO9
					GT1249	TO5	GT1249 TO9	TO9	2N1749	TO9
					2N1790	TO9	2N1867	TO9		
2N57	MT12	6	2N628	TO3	2N574	MT7	2N574A ▼	MT7	2N1029A	MD16
			2N629	TO3	2N1029B	MD16	2N1029C	MD16	2N1031A	TO41
			2N630	▼	2N1031B	TO41	2N1031C	TO41		
			2N1550	TO3						
			2N1550A	TO3						
			2N1551	TO3						
			2N1551A	TO3						
2N64	OV3	2	2N131A		2N106	OV4	2N113 ▼	OV4	2N136	RO31
			2N133A		2N271	TO9	2N271A	TO9	2N362	TO5
					2N602A		2N1065			
2N65		2	2N114 ▼	OV4	2N34	TO22	GT74	TO5	GT81	TO5
			2N315B	TO5	2N527	TO5	2N1175	TO5	2N1175A	TO5
			USN2N422	TO5	2N1187	TO5	2N1192	TO5	2N1926	TO5
			2N651 ▼	TO5						
			2N654 ▼	TO5						
			2N1352	TO5						
2N78	OV5	3	2N78A	OV5	2N27	N72	2N94 ▼	TO22	2N169 ▼	OV5
			2N167 ▼	OV5	2N184	RO5	2N445	TO5	2N446	TO5
			2N169A ▼	OV5	2N679		2N1672	TO5		
			386-1051 P1 #							

CAUTION: 1) REPLACEMENT TYPES FOR EMERGENCY USE ONLY.

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3) REPLACEMENT TYPE MAY NECESSITATE REALIGNMENT OF CIRCUIT.

4) SUBSTITUTE ORIGINAL TYPE NUMBER FOR EMERGENCY REPLACEMENT AS SOON AS POSSIBLE.

1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT					
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
2N83		6			2N1041-1 2N1438 2N1504	MT27 TO10 ▼ MT12	2N1041-2 2N1465 2N1504/10	MT6 TO13 TO10 LT5043	2N1437 2N1466 ▼	TO13 TO10
2N94	TO22	3	2N94A 2N377 2N377A 2N634 2N634A	▼ TO22 TO5 TO5 ▼ TO9 TO5	2N27 ▼ N72 2N169A ▼ OV5 2N439	TO22 ▼ TO22 TO22 TO9	2N35 2N213 2N1312	2N169 2N228 2N1672	▼ OV5 TO22 TO5	
2N95	MM1	7	JAN2N326 2N326	♦ MD1 ▼ MD9	2N102/13	▼ TO13	2N144/13	▼ TO13		
2N102/13	TO13	7	2N144/13	▼ TO13	2N326 N2088436-2	▼ MD9	JAN2N326	♦ MD1	2N468	▼
2N103		3			2N194 2N448 USN2N1302	TO22 TO5	2N194A 2N516 2N1366	TO22 TO22 TO5	2N216 2N1302	TO22 TO5
2N104	TO40	2	2N113 2N215 2N271 2N271A 2N422 2N465 1261-130	▼ OV4 TO44 2N653 7733719-1	2N109 USAF2N461 2N653 7733719-1	▼ TO40 TO9 TO5 ▼ TO5	2N190 2N650 2N1186	RO32 ▼ TO5 TO5	2N363 USN2N650A 2N1414	▼ TO5 TO5
2N105	TO2	2	2N104 2N206 2N215 2N331	▼ TO40 TO44 2N1425 ▼ TO9	2N49 2N271 2N1425 2N1867	▼ TO7 TO9	2N113 2N271A 2N1748 B94487	OV4 TO9 ▼ OV9	2N188 2N499A 2N1788	RO32 TO1 TO9
2N109	TO40	2	2N217 2N270 2N1370 2N1371 2N1382	▼ TO1 RO27 TO9 TO9 ▼ TO5	2N241A 2N407 2N633 2N1123	▼ RO32 TO40 TO5 ▼ TO31	2N405 2N408 2N662 2N1478	TO44 TO9 TO5 TO9	2N406 2N597 2N659 2N1997	TO1 TO9 TO5 TO5
2N110	OV2	2			Point Contact Type					
2N113	OV4	2	2N271 2N271A		7733719-1	▼ TO9				
2N114	OV4	2	2N1224 2N1226 2N1633 2N1634 2N1638 C242912-20	▼ TO33 TO33 TO9 TO9 ▼ TO33	2N1631 2N1636 2N2188	TO9 TO9 RO44	2N1632 2N1637 2N2190	TO9 TO9 RO44	2N1635 2N1639	TO9 TO9
2N117	OV6	5	2N332 2N789 2N902 2N1149/903 2N1588 575-R463-H01	▼ TO5 u2 u10 ▼ OV9 OV9 ▼ TO5 B94488 ▼ OV6	2N1149	OV9	2N2529	TO18	CDQ10001	RO63
JAN2N118	OV6	5	2N118A 2N119 2N334 2N335 USN2N335 CDQ10007	▼ OV6 OV6 TO5 TO5 ▼ TO5 RO63	2N479 2N1278 4C30	TO5 TO5 TO5	2N480 2N1418 1980410-5	TO5 TO5 ▼ TO5	2N745 2N2531 1980410-6	u2 TO18 ▼
2N118A	OV6	5	2N334 2N335A 2N335B 2N480 2N745 2N2531 DL-S898	▼ TO5 TO5 TO5 TO5 TO18	2N335 CDQ10008	TO5 RO63	4C30 CDQ10023	TO5 RO63	CDQ10007 723020-7	RO63 TO5
2N119	OV6	5	2N335 2N2523 2N2531 CDQ10007 1980410-5 1980410-6	▼ TO5 TO46 TO18 RO63	2N480 2N759B 723020-7	▼ TO18 TO5	2N759 PMT220	TO18 TO51	2N759A CDQ10024	TO18 RO63
2N122	MS6	9			2N1048 2N1048B 422210	▼ MT5 MT5 ▼ MT5	2N1048A 2N1048C	MT5 MT5	USN2N1048A 94-079	▼ MT5 MS6

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

□ - MECHANICAL AND ENVIRONMENTAL TEST.

♦ - PREFERRED TYPE - MIL-STD 701

- ALTERNATE PART No. - TECH. DATA LISTED FOR REFERENCED PART No.

CAUTION: 1) REPLACEMENT TYPES FOR EMERGENCY USE ONLY.

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IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
2N123	RO32	2	2N394A 2N1305 USN2N1305 2N1355 2N1356 2N1681 213-11	TO5 TO5 TO5 TO5 TO5 TO5 #	USAF2N123 2N1347 1850-0011	▼ TO5 TO5	2N281 2N1354	RO8 TO5	2N323 ST114	▼ TO5 TO5	
USAF2N123	RO32	2	2N394 2N394A 2N518 USN2N650A 2N1305 USN2N1305 C242912-10	TO5 TO5 RO32 TO5 TO5 TO5 #	2N123 2N1681 1850-0011	▼ TO5 TO5	2N381 2N1351	TO5	2N1287A 2N1354	TO5 TO5	
2N123A	RO31	2	2N123 2N1355 2N1356 2N1681 ST114	▼ TO5 TO5 TO5 TO5 TO5	RO32 2N281 2N1305 2N1354	TO8 TO5 TO5	2N394 USN2N1305	▼ TO5	2N394A 2N1347	TO5 TO5	
2N126	RO26	3	2N94A 2N167 2N169A 2N292 2N293 2N439 2N1058 2N1672A 1735-206	TO22 ▼ OV5 ▼ OV5 OV5 TO22 TO5 #	2N169 GT904	▼ OV5 TO5	2N182 GT948	▼ TO5	2N212	TO22	
2N128	TO24	2	JAN2N128	TO24	JAN2N393 2N1727 TI364	♦ TO24 TO9 RO44	2N499A 2N1748	TO1 TO9	2N1065 2N1789	TO9 TO9	
2N132A		2	2N369 JAN2N466M 2N568 GT122 131643	▼ OV9 TO5 TO5 TO5 TO5	UST81 4096-2404-1 4096-2404-4	▼/I TO9 TO5 TO5	GT109 4096-2404-2 4096-2404-5	▼/I TO5 TO5	GT792 4096-2404-3	▼/I TO5	
2N139	TO40	2	2N140 2N218 2N219 2N409 2N410 2N411	▼ TO44 ▼ TO44 TO40 TO1 TO40	2N530 2N1727 TI385 RO44 TI388	TO5 TO9 TI386 RO44 TI1720	2N1171 2N1789	▼ TO5 TO9 RO44 TO24	2N1678 2N2273 RO44 TI387	TO9 TO18 RO44	
2N143	MM2	6	CK311 CK312 CK313 CK314 CK411 CK412 CK413 CK414	MM3 MM3 MM3 MM3 MT12 MT12 MT12 MT12	2N1183 2N1756	▼ TO8 MS7	2N1183A 2N1757	TO8 MS7	2N1183B 2N1758	TO8 MS7	
2N144	MM2	7	2N144/13 N2088436-2	▼/I TO13	2N1296	TO3	2N1325	TO10			
2N144/13	TO13	7	2N144 N2088436-2	▼/I TO13	2N1296	TO3	2N1325	TO10			
2N155	TO3	6	2N156 2N158 2N158A 2N301 2N301A 2N1504 2N1504/10 LT5043	▼ ▼ ▼ ▼ TO3 TO3 ▼ TO10 ▼	MM3 MM3 MM3 MM3 2N235A 2N256A 2N1437 2N1466	▼ TO3 TO3 TO13 TO10	2N255 2N351 2N1438	▼ TO3 TO3 TO10	2N256 2N376 2N1465	▼ TO3 TO3 TO13	
2N156	MM3	6	2N158 2N158A 2N235A 2N256 2N1504 2N1504/10 LT5043	▼ ▼ ▼ ▼ ▼ TO10 ▼	MM3 MM3 TO3 TO3 MT12 TO10	2N1437 2N1466	TO13 TO10	2N1438 16T2B	▼ TO10 MM3	2N1465	TO13

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▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

□ - MECHANICAL AND ENVIRONMENTAL TEST

♦ - PREFERRED TYPE MIL STD 701

- ALTERNATE PART No. - TECH. DATA LISTED FOR REFERENCED PART No.

1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT						
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
2N158	MM3	6	2N158A 2N1504 2N1504/10 DT4-17 LT5043 2012845-1	▼ ▼ ▼ ▼ ▼ ▼	MM3 MT12 TO10 MM3 CK414	2N1437 2N1466 CK311 CK314 MM3 CK414	TO13 TO10 MM3 CK312 MM3 CK412 MT12	2N1438 DT4-18 CK258 MM3 CK313 CK412 CK415	TO10 ▼ MT12 CK258 MM3 CK313 CK413 MT12	2N1465 CK258 MM3 CK313 CK413 MT12	TO13 MT12 MM3 CK313 CK413 MT12
2N158A	MM3	6	2N158 2N1504 2N1504/10 DT4-17 DT4-18 LT5043	▼ ▼ ▼ ▼ ▼ ▼	MM3 MT12 TO10 MM3 MT12	2N1437 2N1466 CK312 CK412 CK415	TO13 TO10 MM3 CK313 MT12	2N1438 CK258 MM3 CK314 CK413	TO10 MT12 CK311 MM3 CK314 CK414	2N1465 CK311 MM3 CK314 CK414	TO13 MM3 MM3 MT12
2N161		5	2N118 USN2N333 2N333A 2N1150 2N2530 TI904 CDQ10003	▼ ▼ ▼ ▼ # RO63	OV6 TO5 TO5 OV9 TO18	USN2N334 2N2533 ST1243	▼ TO5 TO18 TO5	2N475 TI492	TO5 T05	2N1277 ST1242	TO5 T05
2N167	OV5	3	2N446 DXX763-1000-14#	TO5	2N27 2N1672	▼ TO5	N72 TO5	2N167A	▼ OV5	2N1622 2N1672	▼ TO5
2N167A	OV5	3	2N446	TO5	2N167	▼ OV5	2N1622	▼ TO5			
2N168A	OV5	3	2N164A 2N183	RO5	2N169 2N365 2N1086A	▼ ▼ OV9	OV5 2N445 2N1121	2N169A	▼ OV5	2N293 2N1086 2N1312	OV5 TO9
2N169	OV5	3	2N165 2N449	RO5	2N78 2N169A 2N1391	▼ ▼ TO5	OV5 2N446	2N184	TO5	2N213 2N1217	TO22
2N169A	OV5	3	2N167 2N446 N208265-1	▼ TO5 #	OV5 2N1622	▼ TO5	N72 TO5	2N184 2N1672	TO5	2N679	RO5
2N173	TO36	6	2N278 2N1099 2N1100 2N1358 2N1358 2N1412	▼ ▼ ▼ ▼ ▼ ▼	TO36 TO36 TO36 TO36 TO36 TO36	2N277 2N1022 2N2079A 2N2081 CTP3500	▼ TO3 TO3 TO36 TO36 TO41	2N458A 2N1159 2N2080 2N2081A	▼ ▼ TO36 TO36 TO36	2N1021 2N2079 2N2080A CTP1500	▼ TO36 TO36 TO36
JAN2N174	TO6	6	2N174A 2N1100 2N1358 2N1412 2N2148 C242912-2 752664-2 836709 2019614-2	▼ ▼ ▼ ▼ # ▼ ▼ ▼ ▼	TO36 TO36 TO36 TO36 TO36 TO36 MT2	2N375 2N1365	▼ TO3	2N1362 2156874	▼ TO3	2N1364	▼ TO3
2N174-8	TO36	6	2N1100 2N1412 2N2075 2N2075A AF00038-8 7271744	▼ ▼ ▼ ▼ # ▼	TO36 TO36 TO36 TO36 TO36 TO6	JAN2N174 2N2492	▼ TO36	2N2076 2N2493	TO36 TO36	2N2076A	TO36
2N174A	TO36	6	JAN2N174 2N1100 2N1358 2N1412 752664-2 836709 2019614-1 2019614-2	▼ ▼ ▼ ▼ ▼ ▼ # ▼	TO6 TO36 TO36 TO36 TO36 TO36 MT2	2N375 2N1365	▼ TO3	2N1362 2N2148	TO3 TO3	2N1364 2156874	▼ TO3
2N176	TO3	6	2N251 2N301 2N301A 2N351 2N351A	▼ ▼ ▼ ▼ ▼	TO3 TO3 TO3 TO3 TO3	2N350 2N2138 2N2139A 2N2140 2N2141	TO3 TO3 TO3 TO3 TO3	2N350A 2N2138A 2N2140 2N2141A	TO3 TO3 TO3 TO3	2N376 2N2139 2N2140A	TO3 TO3 TO3
2N180		2	2N181 2N191 2N414 2N414B 2N1415	▼ ▼ ▼ ▼ ▼	RO32 TO5 TO5 TO5	2N414C 2N1925	TO5 TO5	2N526	▼ TO5	2N1375	TO5

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♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.			
2N187A	RO32	2	2N61 2N61A 2N61B 2N61C 2N315A 2N611	TO5 TO5 TO5 TO5 TO5 TO5	2N291	▼	OV7	2N526	▼	TO5	JAN2N526	▼♦	TO5
2N188	RO32	2	2N422 2N565 2N566	▼♦ ▼ TO5	2N113 2N215 2N271A GT1249	▼ TO44 TO9	2N131A 2N237 2N624			RO4	2N188A 2N271 GT1249	▼	RO32 TO5
2N188A	RO32	2	2N526 JAN2N526	▼♦ TO5	2N226 2N270 2N597 2N662	▼ ▼ ▼ TO5	2N241A 2N524A 2N658 2N1123	▼	RO32 RO27 TO5 TO31	2N249 2N525A 2N659 2N1478	▼	TO5 TO5 TO9	
2N192	RO32	2	2N651A 2N1376 2N1377	TO5 TO5 ▼♦ TO5	2N362 2N652 2N1187	▼ TO5 TO5	2N466 2N652A	▼ ▼	TO5 TO5	2N651 2N654	▼ ▼	TO5 TO5	
2N206		2	2N113 2N131A 2N271 JAN2N331 2N803 2N804	▼ OV4 TO9 u8 u9	2N271A CK65		2N624 CK65A		RO4 u12	2N644 B94487	▼ ▼	TO9 OV9	
2N207	TO23	2	2N207A 2N207B 2N535 2N535A 2N535B T0021 1066364	▼ ▼♦ ▼ ▼ ▼ ▼ TO23	2N369 2N987 2N1673	▼	OV9 RO38 TO33 OC44	2N370/33 2N1177	TO33 TO45 RO9	2N534 2N1515	▼	TO23 TO7	
2N207B	TO23	2	2N207 2N535 2N535A 2N535B T0021 1066364	▼ ▼♦ ▼ ▼ ▼ ▼ TO23	2N369 2N987 2N1673	▼	OV9 RO38 TO33 OC44	2N370/33 2N1177	TO33 TO45 RO9	2N534 2N1515	▼	TO23 TO7	
2N213	TO22	3			2N35 2N1173	▼ ▼	TO22 TO29	2N214	▼	TO22	2N228	▼	TO22
2N214	TO22	3			2N385A 2N635A 2N2430	▼ ▼ TO1	TO5 TO5 TO1	2N438 2N647	▼ ▼	TO5 TO1	2N438A 2N649	▼	TO9 TO1
2N217	TO1	2	2N109 2N270 2N1370 2N1371 2N1382	▼ ▼ TO9 TO9 ▼♦ TO5	2N241A 2N407 2N633 2N1123	▼ TO9 TO5 ▼	RO32 TO40 TO40 TO31	2N405 2N408 2N659 2N1478	TO44 TO1 TO5 TO9	2N406 2N597 2N662 2N1997	▼ ▼ TO5 TO5	TO1 TO9 TO5 TO5	
2N218	TO44	2	2N139 2N140 2N219 2N409 2N410 2N411 2N412	▼ TO40 TO40 ▼♦ TO40 TO1 TO40 TO1	2N530 2N1789 TI387 RO44 2N2273	TO5 TO9 TI385 RO44 TO18	2N1171 TI385 RO44 TI388		TO5 RO44 RO44	2N1727 TI386 2N1678		TO9 RO44 TO9	
2N219	TO44	2	2N140 2N813 2N814	TO40 u8 u9	2N990 2N993 2N1527	RO38 RO38 TO40	2N991 2N1426 CK17		RO38 TO7 u11	2N992 2N1526 CK17A		RO38 TO1 u12	
2N220	TO1	2	2N104 2N175 2N215 JAN2N220 2N247 2N274 2N331 2N370 2N544 2N641	▼ TO40 TO40 ♦ TO44 TO44 TO9 TO7 TO7 TO7	2N34A 2N1748A 2N2447 C231642	TO9 u8 TO5	2N180 2N1865 2N2448 446914A	▼ TO9 u9 N71		2N1265/5 2N1866 1850-0003	▼	TO5 TO9 TO7	
2N224	TO25	2	2N225 1653139-2	▼ TO5	2N597 2N1997 723045-2	▼ ▼♦ TO31	2N1123 2N1998 8935913	▼ ▼ ▼	TC31 TO5 RO27	2N1478 GA52830	▼	TO9	

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NAVWEPS 16-1-530

1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT						
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
2N226	TO25	2	2N227 2N1123 2N1478 2N1496 2N1997	▼ ▼ TO9 TO31 TO5	2N1495	TO9	2N2097	TO31	2N2100	TO9	
2N227	TO25	2	2N226 2N1123 2N1478 2N1496 2N1997	▼ ▼ TO9 TO31 TO5	2N1495	TO9	2N2097	TO31	2N2100	TO9	
2N228	TO22	3	2N213 2N228 16T6	▼ ▼ #	TO22 TO22 TO5	2N35 2N1622	▼ ▼	TO22 TO1	2N1173	▼ TO29	
2N235A	TO3	6	2N236A 2N242 2N399 2N401 2N665 JAN2N665 2N1182 2N1971 2088276-6	▼ ▼ ▼ TO3 ▼ ▼ TO3 MD1	TO3 MD9 TO3 TO3 TO3 CTP1730	2N251 2N2139 2N2140A CTP1730	▼ TO3 TO3 ▼	TO3 TO3 TO3 MS7	2N257 2N2139A 2N2141	TO3 TO3 TO3	
2N240	TO24	2	2N279	RO9	2N106 2N283 TI397	▼ ▼	OV4 RO44	2N128 2N344 TI398	▼ TO24 TO24 RO44	JAN2N128 TI364 RO44	
2N241A	RO32	2	2N597 2N1123 2N1478	▼ ▼ TO9	2N226 2N525A 2N660	▼ TO5 TO5	TO25 TO5 TO5	2N249 2N526A 2N662	▼ TO5 TO5	2N270 2N659	
2N242	MD9	6	2N257 2N665 JAN2N665 CTP1730	▼ ▼ ▼ ▼	TO3 TO3 TO3 MS7	2N301A 2N1757 2N2138A 2N2140 2N2141A	TO3 MS7 TO3 TO3 TO3	2N1326 2N1758 2N2139 2N2140A	TO10 MS7 TO3 TO3	2N1756 2N2138 2N2139A 2N2141	
2N243	OV1	5	2N245 2N342 2N342A J143 412141-1 1876673	▼ ▼ ▼ ▼ ▼ ▼	TO11 TO11 TO11 OV9 TO11 TO11	JAN2N342 J75	▼ TO11	2N342B 534767-5	▼ TO11 OV1	J66 CDQ10037	
2N244	OV1	5	2N1975 2N2437 2N2476 534767-9	▼ ▼ ▼ #	TO5 TO46 TO5	USN2N341M	♦	TO11 TO5	2N1206 2N1572	TO5 TO5	2N1207 ST4341
2N245	TO11	5	2N342B CDQ10044	TO11 RO63	2N342A 412141-1	▼ ▼	TO11 TO11	J66 CDQ10037	▼ OV1 RO63	J143 1876673	▼ TO11
2N247		2	2N274 2N640 2N641 2N642 2N1224 2N1226	▼ ▼ ▼ ▼ ▼ ▼	TO44 TO7 TO7 TO7 TO33 TO33	2N384 2N1225	▼ TO33	2N1023 ST103	▼ TO44 TO5	2N1066	TO33
2N251	TO3	6	2N176 2N251A 2N301A 2N351 2N351A 2N376 2N376A	▼ ▼ ▼ ▼ ▼ TO3 TO3	TO3 TO3 TO3 TO3 TO3 TO3	2N2139 2N2140A	TO3 TO3	2N2139A 2N2141	TO3 TO3	2N2140 2N2141A	TO3 TO3
2N252	OV9	2	No Replacement			Type	Available				
2N255	TO3	6	2N156 2N158 2N158A 2N301 2N1504 2N1504/10 LT5043	▼ ▼ ▼ ▼ ▼ ▼ ▼	MM3 MM3 MM3 TO3 MT12 TO10	2N235A 2N351 2N1438	▼ TO3 TO10	2N256 2N376 2N1465	▼ TO3 TO13	2N256A 2N1437 2N1466	TO3 TO13 TO10
2N256	TO3	6	2N158A 2N158A 2N301 2N1504 2N1504/10 LT5043	▼ ▼ ▼ ▼ ▼ ▼	MM3 MM3 TO3 MT12 TO10	2N351 2N1438	TO3 TO10	2N376 2N1465	TO3 TO13	2N1437 2N1466	TO13 TO10

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1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

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2N268	TO3	6	2N268A 2N463 USN2N463 2088276-1 2111275	▼ ▼ # ▼	TO3 TO32 TO32 TO3	2N638A 2N2527	TO3 TO3	2N638B 2N2528	TO3 TO3	2N2526	TO3
2N268A	TO3	6	2N268 2N459 2N463 USN2N463 CTP1112	▼ ▼ ▼ TO32 ▼	TO3 TO3 TO32 TO32 TO3	2N638A 2N2527	TO3 TO3	2N638B 2N2528	TO3 TO3	2N2526 2111275	▼ TO3
2N270	RO27	2	2N525A 2N597 2N1123 2N1478 2N1997 8935913	▼ ▼ ▼ TO9 TO9 TO5 ▼	TO5 TO9 TO31 723045-2 TO3 TO27	2N217 2N586 723045-2	TO1 RO27 TO31	2N241A 2N2173 1653139-2	▼ TO5 TO5	2N526A TR383	TO5 TO5
2N274	TO44	2	2N247 2N640 2N641 2N642 2N1224 2N1226	▼ ▼ ▼ TO7 TO7 TO7 ▼ TO33 ▼	TO44 TO44 TO7 TO7 TO7 TO33 TO33	2N384 2N1225	TO44 TO33	2N1023 ST103	▼ TO44 TO5	2N1066	TO33
USA2N274	TO44	2	2N247 2N274 2N640 2N641 2N642 2N1224 2N1226	▼ ▼ TO44 TO7 TO7 TO7 TO33 ▼	2N384 2N1225	▼ TO44 TO33	2N1023 ST103	▼ TO44 TO5	2N1066	TO33	
2N277	TO36	6	2N173 2N278 2N1099	▼ ▼ ▼	TO36 TO36 TO36	2N2079 2N2080A 2N2082	TO36 TO36 TO36	2N2079A 2N2081 2N2082A	TO36 TO36 TO36	2N2080 2N2081A 2N2491	TO36 TO36 TO36
2N283		2				2N106 2N1065	OV4 TO9	2N279 TI363	RO9 RO44	2N602A TI397	TO9 RO44
2N285	TO3	6	2N285A 2N285B 2N618 2N669 CTP1731 CTP1736	▼ ▼ ▼ TO3 TO3 MS7 ▼ MS7	TO3 TO3 TO3 TO3 TO3 TO3	2N1138 2N1905	TO3 TO3	2N1138A 2N1906	▼ TO3 TO3	2N1138B 2N2147	▼ TO3 TO3
2N285A	TO3	6	2N285 2N618 2N669 CTP1731 CTP1736	▼ ▼ ▼ TO3 TO3 MS7 ▼ MS7	TO3 TO3 TO3 TO3 TO3 TO3	2N1138 2N1905	TO3 TO3	2N1138A 2N1906	▼ TO3 TO3	2N1138B 2N2147	▼ TO3 TO3
2N290	MT2	6	752664-2 836709	▼ ▼	TO36 TO36	2N1981 2N2153A 2N2155	TO36 TO36 TO36	2N1982 2N2154 2N2155A	TO36 TO36 TO36	2N2153 2N2154A	TO36 TO36
2N291	OV7	2	2N61 2N61A 2N61B 2N61C 2N611	TO5 TO5 TO5 TO5 TO5	USAF2N43A T1796	RO32	2N658 7733719-1	▼ ▼ TO5 TO9	2N1274	TO9	
2N296	TO3	6	2N538 2N538A 2N1039 USN2N1039 2N1040 USN2N1041	▼ ▼ ▼ TO10 TO10 TO11 ▼ RO62 TO11	TO10 TO10 RO62 B1151A	2N1041 2N2558	RO62 MT28	2N2554 2N2559	MT27 MT28	2N2555	MT27
2N297	TO3	6	2N456 2N457 2N458 2N459	▼ ▼ ▼ TO3	TO3 TO3 TO3 TO3	2N638A 2N2527 B1151A	TO3 TO3 TO3	2N638B 2N2528 B1151B	TO3 TO3 TO3	2N2526 CTP1112 2111275	▼ TO3
2N297A	TO3	6	USA2N297A 2N418 2N420 2N420A	▼ ▼ ▼ TO3	TO3 TO3 TO3 TO3	2N457B 2N1022A 2N2072	TO3 TO3 TO41	2N458B 2N1430	TO3 TO41	2N1021A 2N2070	TO3 TO3

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IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
USA2N297A	♦	TO3	6	2N297A 2N418 2N420 2N420A 536942	▼ TO3 TO3 ▼ TO3 # TO3	2N457B 2N1022A 2N2072	TO3 TO3 TO41	2N458B 2N1430	TO3 TO41	2N1021A 2N2070	TO3 TO3
2N301		TO3	6	2N301A 2N618 CTF1520 3577 4096-3037 2088276-8	▼ ▼ ▼ # TO3 # TO3	2N2144 2N2145A	TO3 TO3	2N2144A 2N2146	TO3 TO3	2N2145 2N2146A	TO3 TO3
2N301A		TO3	6	CTF1520 4096-3037	▼ ▼ # TO3	2N2146 2N2145A	TO3 TO3	2N2146A	TO3	2N2145	TO3
2N303			2	2N65 2N114 USN2N422 2N527 2N1192	▼ ▼ OV4 TO5 ▼ TO5	2N34 2N1352 2N2042A	TO22 TO5 TO5	2N1175 2N1926	TO5 TO5	2N1175A 2N2042	TO5 TO5
2N307A		TO3	6	2N250 2N251 2N1182 2N1971 2N2140 2N2140A 2N2141 2N2141A CTP1730	▼ ▼ ▼ MD1 TO3 TO3 TO3 TO3 MS7	2N176 2N301 2N351A 2N1007	TO3 TO3 ▼ TO3 TO3	2N250A 2N301A 2N376	TO3 TO3 TO3	2N251A 2N351 2N376A	TO3 TO3 TO3
2N311		TO5	2	USN2N705 2N1303 USN2N1303 2N1960	♦ TO5 TO5 ul	2N284 2N711B	TO18	2N284A 202-333	▼ TO5	JAN2N428 723005-10	▼ TO5
2N312		TO5	3	2N634A USN2N1302 2N1993 107-279 723001-7	▼ ▼ TO5 ▼ TO9	2N167 2N556 2N1306	OV5 TO5 ▼ TO5	2N169A USN2N1304 USN2N1306	▼ TO5 ▼ TO5	2N446 2N1304	TO5 TO5
2N316A		TO5	2	2N524A	TO5	2N1384	TO11				
2N317		TO5	2	2N317A 2N580 2031157	TO5 TO9 #	2N1204 2N1494 XT100	▼ TO31 TO9	2N1204A 2N2096	TO9 TO31	2N1384 2N2099	TO11 TO9
2N321		TO5	2	2N1355 2N1356 2N1357 2N1706 8935907-1	▼ TO5 TO5 TO5 ▼ TO5	2N320 2N1350 2N1957	TO5 TO5 ST114	2N382 2N1954	TO5 TO5 ▼ TO5	2N396 2N1956	TO5 TO5
2N324		TO5	2			2N192 2N466 2N652A 2N1376	RO32 TO5 ▼ TO5	2N362 2N527 2N1175 2N1377	TO5 TO5 TO5 ▼ TO5	2N416 2N651A 2N1175A 2N1926	TO5 TO5 TO5 TO5
2N326	MD9	7	JAN2N326 2N468 2088276-9	♦ ▼ #	MD1	2N144/13	▼ TO13				
2N327		TO5	4	JAN232 2N1440 2041821-5 2041821-6	TO5 TO5 X3 X3	2N327A HA7531	▼ TO5	HA7515 HA7540	X3 TO5	HA7521	X3
2N327A		TO5	4	900201-127 2088262-12	# #	2N327 2N1037 2N1476	TO5 TO5 TO5	2N936 2N1474 HA9058	TO18 TO5 TO18	2N1035 2N1474A	TO5 TO5
2N328			4	2N1441 723025-18 1303601-1	▼ ▼ TO9	2N328A	▼ TO5	USA2N328A	▼ TO5	2N329A	▼ TO5
2N328A		TO5	4	USA2N328A 2N936 2028360-5 2028360-6	▼ TO18 ▼ TO5	2N330A 2N1477 HA7631 1303601-1	TO5 TO5 TO5 ▼ TO9	2N1257 HA7541 928101-5 1303601-1	TO5 TO5 ▼ TO5	2N1442 HA7542 928101-8 1303601-1	TO5 TO5 ▼ TO5
USA2N328A		TO5	4	2N328A 2N936 2028360-5 2028360-6	▼ TO18 ▼ TO5	2N330A 2N1477 HA7631 1303601-1	TO5 TO5 TO5 ▼ TO9	2N1257 HA7541 928101-5 1303601-1	TO5 TO5 ▼ TO5	2N1442 HA7542 928101-8 1303601-1	TO5 TO5 ▼ TO5

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
2N329	T05	4	2N1442 HA7516 HA7517	▼ T05 X3 X3	HA7541 HA7736	T05 X3	HA7542	T05	HA7732	X3	
2N329A	T05	4	USA2N329A CK887 2028360-4	▼♦ # #	T05 2N1231 2N2425	▼ T05 T05	2N1233 MT1256	▼ T05 u13	2N1243 2028360-2	▼ T05	
USA2N329A	♦	T05	4	2N329A	▼	T05 2N1231 2N2425	▼ T05 T05	2N1233 MT1256	▼ T05 u13	2N1243 2028360-2	▼ T05
2N331	T09	2	2N650 2N650A 2N653 2N1186 2N1383	▼ T05 T05 T05 T05 T09	2N104 2N461 2N1372	▼ ▼ ▼ T040 T05	2N215 2N465 2N1373	▼ T044 T05 T05	2N363 2N525	▼ T05	
2N332	T05	5	2N333 2N472 2N749 2N1149 2N2529 4C28 CDQ10001	▼ ▼ ▼ T05 T05 u2 OV9 TO18 T05 RO63	2N1276 CDQ10018	T05 RO63	2N1588 B94488	▼ OV9 OV6	575-R463-H01	▼ T05	
2N333	T05	5	2N333A 2N757 2N757A 2N2530 2N2533 CDQ10003 CDQ10004 2088262-7	▼ T05 T018 T018 T018 T018 RO63 RO63	USN2N333 2N1150	▼ T05 OV9	2N475 NS478	T05 T046	2N839 CDQ10021	TO18 RO63	
USN2N333	T05	5	2N472 2N756 2N2529 242912-1	▼ T05 T018 T018 #	2N1150 2N1156 TI480	▼ ▼ T011	2N1154 2N1156/953	▼ OV9 OV1 TI481	2N1155 2N1588 TI496	▼ OV9 OV9 TO11	
USN2N334	T05	5	2N333A 2N757 2N757A 2N1150 2N2530 CDQ10004	▼ T05 T018 T018 ▼ OV9 T018 RO63	USN2N333 CDQ10021	▼ T05 RO63	2N475	T05	CDQ10003	RO63	
USN2N335	♦	T05	5	2N118A 2N119 2N334 2N745 2N2531	▼ ▼ T05 T05 u2 TO18	OV6 OV6 4C30 534767-2	▼ T05 T05 T05	2N335B CDQ10008 723020-7	▼ T05 RO63 T05	2N480 CDQ10023	▼ T05 RO63
2N335A	T05	5	USN2N335A 2N335B 2N337A 2N758 2N758A CDQ10008	▼ ▼ T05 T05 T05 T018 T018 RO63	2N334 2N340A 2N735	T05 T011 T018	2N339A 2N341 2N929A	▼ T011 T011 T018	2N340 2N341A	▼ T011 T011	
USN2N335A	T05	5	2N335A 2N335B 2N337A 2N758 2N758A CDQ10008	▼ ▼ T05 T05 T05 T018 T018 RO63	2N334 2N340A 2N735	T05 T011 T018	2N339A 2N341 2N929A	▼ T011 T011 T018	2N340 2N341A	▼ T011 T011	
2N335B	T05	5	2N735 2N758A	TO18 TO18	2N334 2N340 2N341A	▼ T011 T011	2N335A 2N340A 2N929A	▼ T05 T011 T018	2N339A 2N341	▼ T011 T011	
2N336	T05	5	2N760 2N760A 2N909 2N2484 NS480 CDQ10009	TO18 TO18 TO18 TO18 TO46 RO63	2N335 2N2461 ME213	TO5 TO46 TO18	2N336A 2N2465 NS477	▼ T05 T018 TO46	2N930 2N2510 FT2484	TO18 TO18 TO18	
2N336A	T05	5	2N338A CDQ10010	TO5 RO63	2N910 2N2433	TO18 TO46	2N1973 2N2435	T05 T046	2N1983 2N2464	TO5 TO18	
USN2N337	♦	T05	5	2N337 2N907	▼ u10	2N707A 2N2314	TO18 TO46	2N748 RT696AM	u2 T046	2N834 TMT842	TO18 u5
2N337	T05	5	USN2N337 2N907	▼♦ u10	2N707A 2N2314	TO18 TO46	2N748 RT696AM	u2 T046	2N834 TMT842	TO18 u5	

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1A TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT						
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
2N338	TO5	5	USN2N338 2016785-1 2028362-1 2206323 8935903-1	▼♦ ▼✓ ▼✓ ▼✓ ▼✓	T05 T05 T05 T05 T05	2N840 2N2509	T018 T018	2N908 TI494	u10 T05	2N915	TO18
USN2N338	♦ TO5	5	2N338 2016785-1 2028362-1 2206323	▼ ▼✓ ▼✓ ▼✓	T05 T05 T05 T05	2N840 2N2509	T018 T018	2N908 TI494	u10 T05	2N915	TO18
2N339	TO11	5	2N340 2N340A 2N341 2N343 2N343B J311 534767-1	▼ ▼ ▼ ▼ ▼ ▼ ▼	TO11 TO11 TO11 TO11 TO11 TO11 TO11	2N339A CDQ10011 CDQ10015 CDQ10045	▼ TO11 RO63 RO63	2N341A CDQ10012 CDQ10015 CDQ10033	▼ TO11 RO63 RO63	JAN2N343 CDQ10013 CDQ10034	TO11 RO63 RO63
2N339A	TO11	5	2N340A 2N341A 2N1700 CDQ10033 CDQ10034	▼ ▼ ▼ ▼ ▼	TO11 TO11 TO5 RO63 RO63	2N339 2N343 CDQ10011 CDQ10015	▼ ▼ TO11 RO63 RO63	2N340 JAN2N343 CDQ10012 99240-111	▼ ▼ ▼ ▼	2N341 J311 CDQ10013 534767-1	TO11 TO11 RO63 TO11
2N340	TO11	5	2N340A 2N341 2N341A J311 534767-1	▼ ▼ ▼ ▼ ▼	TO11 TO11 TO11 TO11 TO11	CDQ10012 CDQ10034	RO63 RO63	CDQ10013	RO63	CDQ10033	RO63
2N341	TO11	5	2N340 2N340A 2N341A J311 534767-1 C242912-11	▼ ▼ ▼ ▼ ▼ #	TO11 TO11 TO11 TO11 TO11	CDQ10012 CDQ10034	RO63 RO63	CDQ10013	RO63	CDQ10033	RO63
2N341A	TO11	5				2N341 CDQ10034	▼ TO11 RO63	2N1207 534767-1	▼ TO11	CDQ10013	RO63
2N342	TO11	5	2N245 2N342A 2N342B J143 99240-110 412141-1 1876673	▼ ▼ ▼ ▼ # ▼ ▼	TO11 TO11 TO11 OV9 TO11 TO11 TO11	JAN2N342	TO11	J66 ▼✓ OV1	▼ TO11	CDQ10037	RO63
2N342A	TO11	5	2N245 2N342B J143 412141-1 1876673	▼ ▼ ▼ ▼ ▼	TO11 TO11 TO11 OV9 TO11	J66	▼✓ OV1	CDQ10037	RO63		
JAN2N343	TO11	5	2N339A 2N340 2N340A 2N341 2N341A J311 534767-1	▼ ▼ ▼ ▼ ▼ ▼ ▼	TO11 TO11 TO11 TO11 TO11 TO11 TO11	2N343B CDQ10015 CDQ10045	TO11 RO63 RO63	CDQ10012 CDQ10033 99240-111	▼ TO11	CDQ10013 CDQ10034	RO63 RO63
2N343	TO11	5	2N340 2N340A 2N341 2N341A 2N343B J311 C242912-12 534767-1 900201-124	▼ ▼ ▼ ▼ ▼ ▼ # ▼ ▼	TO11 TO11 TO11 TO11 TO11 TO11 TO11 TO11	2N339A CDQ10013 CDQ10034 CDQ10045 534767-3	▼ TO11 RO63 RO63 TO11	JAN2N343 CDQ10015 CDQ10033 CDQ10045	▼ TO11 RO63 RO63 TO11	CDQ10012 CDQ10033 99240-111	RO63 RO63 TO11
2N345	TO24	2	2N1728 2N1785 2N1790	TO9 TO9 TO9	2N393 2N1427 2N1867 SB100	▼ TO24 TO9 TO24	TO24 TO9 TO18	2N503 2N1749 2N2273	TO9 TO9 TO18	2N1178 2N1788 OC55	TO45 TO9 RO19
2N346	TO24	2	2N1864 TI389	TO9 RO44	2N700 TI386	▼ TO44	TO17 RO44	2N700A TI387	TO17 RO44	TI385 TI388	RO44 RO44

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♦ -- PREFERRED TYPE - MIL-STD 701

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IN TYPE NUMBER SEQUENCE

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2N351A	TO3	6	2N301 2N301A 2N350 2N350A 2N351 2N376	▼ TO3 TO3 TO3 TO3 TO3 TO3	2N1359 2N2138 2N2139A 2N2141	TO3 TO3 TO3 TO3	2N1362 2N2138A 2N2140 2N2141A	TO3 TO3 TO3 TO3	2N1364 2N2139 3N2140A	▼ TO3 TO3 TO3
2N352	TO27	6	2N301 2N359 2N539A JAN2N539AM JAN2N539M H5E2 H6A	▼ TO10 TO10 TO10 TO10 TO10 TO10	2N1326 2N1758	TO10 MS7	2N1756	MS7	2N1757	MS7
2N353	TO27	6	2N301 2N2148	▼ TO3 TO3	2N540 H5E3	▼ TO10	2N540A 928201-3	▼ TO10	2N1263 1979813	▼ TO10 MT7
2N356	TO5	3	2N356A 2N1000	TO5 TO5	2N357 2N439A 2N1779 8935904	▼ TO5	2N358 2N440 u1 8935905-3	▼ TO5	2N439 2N1012 u1 2N1891	TO5 TO5 TO5
2N357	TO5	3	2N357A 763-1005	▼ TO5	2N356 2N634 8935904-1	▼ TO5	2N358 2N635 8935905-3	▼ TO5	2N587 908288	▼ TO5 TO5
2N358	TO5	3	2N358A	▼ TO5	2N357 2N576 2N636 928220-2	▼ TO5	2N357A 2N576A 763-1005 TOS	TO5 TO5 TO5 TO5	JAN2N358A 2N635 723001-4	♦ TO5 TO9 TOS TO5
2N358A	TO5	3			2N357 JAN2N358A 763-1005 8935905-3	▼ TO5	2N357A 2N576A 723001-4 TOS	TO5 TO5 TO5 TO5	2N358 2N1473 928220-2	▼ TO5 TO5 TOS
2N361	TO5	2	2N427 2N1057 1653139-1	▼ TO5 RO32 TO5	2N320 2N658 21271	▼ TO5	JAN2N526 2N1274	▼ TO5 TO9	2N633 2N2431	TO5 TO1
2N363	TO5	2	2N237 2N465 2N525 2N650 2N650A 2N1186	▼ TO5 TO5 TO5 TO5 TO5	2N1373	TO5	2N1924	TO5		
2N364	OV9	3	GT364	TO5	2N1672A	TO5				
2N365	OV9	3	GT365	TO5	2N1310 2N1510 GT949	▼ TO9 OV5 TO5	2N1311 2N1622	▼ TO9 TO5	2N1312 2N1694	TO9 TO5
2N366	OV9	3	GT366	TO5	2N213	▼ TO22	2N228	▼ TO22		
2N368	OV9	2	2N44A 2N189 USAF2N461 2N464 TR650 TR653	▼ RO32 TO9 TO5 TO5 TO5	2N413 2N1413	TO5 TO5	2N524 624478	▼ TO5 RO31	2N1056	▼ TO5
2N369	OV9	2	2N568 2N569 2N1376 2N1377	TO5 TO5 TO5 TO5	2N192 2N3000	▼ RO32 TO5	2N362 UST81	TO5 TO9	2N466 GT122	▼ TO5 TO5
2N370	TO7	2	2N247 2N274 2N371 2N372 2N373 2N374	▼ TO44 TO7 TO7 TO7 TO7	2N640 2N1516 2N1525	TO7 TO7 TO9	2N641 2N1517 1850-0003	▼ TO7 TO7 TO7	2N642 2N1524	TO7 TO9
2N375	TO3	6	2N1159 2N1364 2N1538	▼ TO3 TO3 TO3	2N1022 2N2079A 251M1	TO3 TO36 TO3	2N1099 2N2080	▼ TO36 TO36	2N2079 2N2080A	TO36 TO36
2N377	TO5	3	2N377A 2N585 2N1090	TO5 TO9 TO9	2N385 2N1102	▼ TO5 TO22	2N1091 2N1605A	▼ TO9 TO5	2N1101 2N1808	TO22 TO5
2N378	TO3	6	2N297 2N2061	▼ TO3	2N268A USN2N463 2N2066 8935901-1	▼ TO3 TO3	2N419 2N2063 CTP1112	▼ TO3 TO3	2N463 2N2065 2111275	TO32 TO3 ▼ TO3

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IA. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
2N379	TO3	6	2N459 2N637 2N637A 2N637B	▼ TO3 TO3 TO3 TO3	2N638 2N2526	TO3 TO3	2N638A 2N2527	• TO3 TO3	2N638B 2N2528	TO3 TO3	
2N382	TO5	2	2N396 2N396A USN2N396A 2N1348 2N1350 2N1707	▼ TO5 TO5 ♦ TO5 TO5 TO5	2N383	▼ TO5	2N1349		2N1449	TO5	
2N383	TO5	2			2N527A 2N1124 ZA97600	TO5 RO2 ▼ TO5	2N600 2N1379	▼ TO31 TO5	USN2N652A 2N2171	TO5 TO5	
2N384	TO44	2	2N1023 2N1066 2N1224 2N1225 2N1226 ST103 C242912-15 #	TO44 TO33 ▼ TO33 TO33 ▼ TO5	2N247 2N1396	TO33	2N274 2N1397	▼ TO44 TO33	2N1395	TO33	
JAN2N384	♦	TO44	2	2N1023 2N1066 2N1225 2N2428 2N2429 99240-149 99240-150	TO44 TO33 TO33 TO1 TO1 ▼ TO33 ▼ TO33	2N450 2N1093 2N1396 TO1 2N2191	▼ TO5	2N569 2N1128 2N1397 RO44 2N3000	▼ TO31 TO5 RO2 TO33 TO5	2N570 2N1395 2N2189	TO5 TO33 RO44
2N385	TO5	3	USN2N388 DXX763-1000-7 # S2712A-74086-1 # 2088262-11 #	▼♦ TO5	2N214 2N445A 2N1808	▼ TO5 TO5	2N377 2N1102 8935905-1	▼ TO22 ▼ ▼ ▼ TO5	2N385A 2N1781	TO5 u1	
2N386	TO27	6	2N268 2N268A 2111275	▼ TO3 ▼ ▼ TO3	2N463 2N638B 2N2526	TO32 TO3 TO3	USN2N463 2N2267 2N2527	TO32 TO10 TO3	2N638A 2N2266 2N2528	TO3 TO10 TO3	
2N387	TO27	6	2N459 2N638B	▼ TO3	2N638A 2N2526 CTP1112	▼ TO3 ▼	2N2267 2N2527	TO10 TO3	2N2266 2N2528	TO10 TO3	
2N388	TO5	3	USN2N388 2N388A	▼♦ TO5	2N446A 2N1308 2N1624	▼ TO5 TO5	2N636A USN2N1308 GT1323	TO5 TO5 TO9	2N1114 2N1431	TO5 TO22	
USN2N388	♦	TO5	3	2N388 2N388A	▼ TO5	2N446A 2N1308 2N1624	▼ TO5 TO5	2N636A USN2N1308 GT1323	TO5 TO5 TO9	2N1114 2N1431	▼ TO22
2N388A	TO5	3			USN2N388	▼♦	2N1299	TO5			
2N393	TO24	2	2N990 2N991 2N992 2N993 2N1427	RO38 RO38 RO38 RO38 TO24	2N1177 2N2090 2N2093	TO45 TO7 TO7	2N1517A 2N2091	TO7 TO7	2N2089 2N2092	TO7 TO7	
2N396	TO5	2	2N396A USN2N396A 2N1316 2N1348 2N1350	▼ ♦ ▼ TO5 TO5	2N383 2N1706	▼ TO5 TO5	2N1349 2N1707	TO5	2N1449	TO5	
2N396A	TO5	2	2N382 2N396 USN2N396A 2N1345 2N1350 C242912-14 #	▼ TO5 ♦ TO5 TO5 TO5	2N383 2N1706	▼ TO5 TO5	2N1349 2N1707	TO5	2N1449	TO5	
2N397	TO5	2	2N1316	▼ TO5	2N396 USN2N1307 2N1350	▼ TO5 TO5	2N428A 2N1317 2N1357	TO5 TO5 TO5	2N1307 2N1349	TO5	
2N398	TO9	2	2N398A 2019646	▼ ▼ TO5	2N1670 763-1000-1	▼ TO9	2N2042 GT1811	▼ TO5	2N2042A 908328	TO5 TO5	
2N399	TO3	6	2N235A 2N236A 2N401 2N665 JAN2N665 2N1182 2N1971	TO3 TO3 TO3 TO3 TO3 TO3 MD1	2N251 2N2140 2N2141A	TO3 TO3 TO3	2N2139 2N2140A CTP1730	TO3 TO3 MS7	2N2139A 2N2141	TO3 TO3	

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IN TYPE NUMBER SEQUENCE

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2N404	T05	2	JAN2N428 2N580 2N582 3907	▼♦ T05 T05 T05	2N427 2N581 2N643 202-333	▼ T05 T05 T05 T05	2N578 2N583 2N644	▼ T09 T01 T09	2N579 2N584 2N645	▼ T09 T01 T09
2N413A	T05	2	2N650 2N653 2N1186 2N1383 TR721	▼ T05 T05 T05 T05 T05	2N363 2N525	▼ T05 T05	2N461 2N1924	▼ T05 T05	2N465	▼ T05
2N414	T05	2	2N191 2N414B 2N414C 2N526 2N1415 2N1925	RO32 T05 T05 T05 T05 T05	2N1374	▼ T05	2N1375	T05		
2N416	T05	2	2N415A 763-1000-16 # 2088262-8 #	2N114 2N1926	▼ OV4 T05	2N484 2N2375	T05 T05	2N527	▼ T05	
2N417	T05	2	USA2N417 2N2374	▼ T05 T05	2N416 2N2189 99240-150	▼ T05 T044 T033	2N522 2N2191	▼ TC5 RO44	2N523 99240-149	▼ T05 T033
USA2N417	T05	2	2N417 2N2374	▼ T05 T05	2N416 2N2189 99240-150	▼ T033	2N522 2N2191	T05 RO44	2N523 99240-149	▼ T05 T033
2N420	T03	6	2N297A 2N418 2N420A	▼ T03 T03 T03	2N457B 2N1022A 2N2072	T03 T03 T041	2N458B 2N1430	T03 T041	2N1021A 2N2070	T03 T03
2N422	T05	2	2N363 2N465 2N650 2N650A 2N1186	▼ T05 ▼ T05 ▼ T05 ▼ T05 T05	2N113 2N271A	▼ OV4	2N215 USAF2N461	T044 T09	2N271 2N1414	▼ T05
2N424	MS3	9	USN2N389 2N424/I 2N424A 2N424A/I 534767-7 # 1022141 # 2031039	♦ MS3 MS3 MS3 MS3 MS3 MS3 MS3	2N389/I 2N1617A 2N1895 151-09	MS3 MT10 MT16 MT1	2N389A/I 2N1618A 2N2101 151-10	MS3 T010 MT10 MT1	2N1616A 2N1894 151-08	MT10 MT16 MT1
USN2N424	▼♦ MS3	9	USN2N389 2N424 2N424/I 2N424A 2N424A/I	♦ MS3 ▼ MS3 MS3 MS3 MS3	2N389/I 2N1617A 2N2101	MS3 MT10 MT10	2N389A/I 2N1618A	MS3 MT10	2N1616A 2N1895	MT10 MT16
USA2N426	T05	2	2N427 2N1171 1980401 7733719-1	▼ T05 ▼ T05 ▼ T05 ▼ T09	2N518 2N1351 1618831-1	▼ RO32 T09	2N659 2N1446	▼ T05 T05	2N662 2N1447	T05 T05
2N427	T05	2	2N1171 DX763-1000-6 # C242912-4 # 1980401 7733719-1	▼ T05 T05 ▼ T05 ▼ T05 ▼ T09	2N518 2N1351	RO32	2N659 1618831-1	▼ T05 T09	2N662	T05
JAN2N428	♦ T05	2	202-333 940883-305	▼ T05 ▼ T05	2N501/18 2N705 723005-10	▼ T05 T05 T05	2N505 2N1195 1980409	▼ T029 T09	2N537 USN2N1303	▼ T029 T05
2N438	T05	3	2N438A	▼ T09	2N377 2N439A	▼ T05	2N377A 2N440	▼ T05 T05	2N439 2N440A	T05 T09
2N438A	T05	3	2N438	▼ T05	2N377 2N439A	▼ T05	2N377A 2N440	▼ T05 T05	2N439 2N440A	T05 T09
2N440	T05	3	2088262-3 #		2N214 2N385 2N439A 2N1012 8935905-1	▼ T022 T05 T05 T05 T05	2N356 2N438 2N635A 2N1000 A99240-132	▼ T05 T05 T05 T05 T09	2N356A 2N439 2N440A 2N1000 1980402	▼ T05 T05 T05 T05 T05
2N441	T036	6	2N441-2 2N441-4 2N441-5 2N441-6 2N442 2N443	▼ T036 ▼ T036 ▼ T036 ▼ T036 ▼ T036 ▼ T036	2N173 2N1099 2N1412	▼ T036 ▼ T036 ▼ T036	2N174 2N1100 7271744	▼ T036 T06	2N278 2N1358A	▼ T036 T036

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.			
2N441-2	TO36	6	2N277 2N441 2N441-4 2N441-5 2N441-6 2N442 2N443 AF00038-2	▼ ▼ ▼ ▼ ▼ ▼ ▼ #	TO36 TO36 TO36 TO36 TO36 TO36 TO36 TO36	2N173 2N1099 2N1412 7271744	▼ ▼ ▼ ▼	TO36 TO36 TO36 TO6	2N174 2N1100 7271744	TO36 TO36 TO6	2N278 2N1358A	TO36 TO36	
2N441-4	TO36	6	2N277 2N441-5 2N441-6 2N442 2N443 2N1358A 2N1412 AF00038-4	▼ ▼ ▼ ▼ ▼ ▼ ▼ #	TO36 TO36 TO36 TO36 TO36 TO36 TO36 TO36	2N173 2N1099 2N1412 7271744	▼ ▼ ▼ ▼	TO36 TO36 TO6	2N174 2N1100	TO36 TO36	2N278 2N1358	TO36 TO36	
2N441-5	TO36	6	2N277 2N441-6 2N442 2N443 2N1358 AF00038-5	▼ ▼ ▼ ▼ ▼ #	TO36 TO36 TO36 TO36 TO36 TO36	2N173 2N1099 2N1412 2N2076 2N2077A 7271744	▼ ▼ ▼ TO36 TO36	TO36 TO36 TO36 TO36 TO6	2N174 2N1100 2N2075 2N2076A 7271744	TO36 TO36 TO36 TO36 TO6	2N278 2N1358A 2N2075A 2N2077	TO36 TO36 TO36 TO36	
2N441-6	TO36	6	2N277 2N442 2N443 2N1358 2N1412 AF00038-6	▼ ▼ ▼ ▼ ▼ #	TO36 TO36 TO36 TO36 TO36 TO36	2N173 2N1099 2N2075A 7271744	▼ ▼ ▼ ▼	TO36 TO36 TO36 TO6	2N174 2N1100 2N2076	TO36 TO36 TO36	2N278 2N2075 2N2076A	TO36 TO36 TO36	
2N442	TO36	6	2N173 2N278 2N441-4 2N441-5 2N441-6 2N443 2N1358	▼ ▼ ▼ ▼ ▼ ▼ ▼	TO36 TO36 TO36 TO36 TO36 TO36 TO36	2N174 2N1100 2N2075 2N2076A 7271744	▼ ▼ TO36 TO36	TO36 TO36 TO36 TO6	2N277 2N1358A 2N2075A 2N2077	TO36 TO36 TO36 TO36	2N1099 2N1412 2N2076 2N2077A	TO36 TO36 TO36 TO36	
2N443	TO36	6	2N173 2N441-6 2N1100 2N1358 2N1412 7271744	▼ ▼ ▼ ▼ ▼ ▼	TO36 TO36 TO36 TO36 TO36 TO6	2N174 2N2075A 2N2077	TO36 TO36 TO36	TO36 TO36 TO36	2N1099 2N2076 2N2077A	TO36 TO36 TO36	2N2075 2N2076A	TO36 TO36	
2N444A	TO5	3	USN2N1310	♦	TO5	2N214 2N634A 2N1622	▼ ▼ ▼	TO22 TO5 TO5	2N377A 2N1102	▼ ▼	TO5 TO22	2N444 2N1605	TO5 TO5
2N445A	TO5	3	2N385A 2N446 2N446A	▼	TO5	2N214 2N1308	▼	TO22 TO5	2N1114 USN2N1308	▼♦	TO5 TO5	2N440A 8935905-1	▼ TO5
2N446A	TO5					2N388 2N445A 2N1114	▼ ▼ TO5	TO5 TO5 TO5	USN2N388 2N447A 2N1299	▼♦	TO5 TO5 TO5	2N388A 2N636A 2N1624	TO5 TO5 TO5
2N447A	TO5	3				2N388 2N446A	▼	TO5 TO5	USN2N388 2N1299	▼♦	TO5 TO5	2N388A GT1323	▼ TO9
2N450	TO5	2	2N417 2N1093 2N2374	▼	TO5	2N522 2N3000	▼	TO5 TO5	2N2189 RO44 99240-149	▼♦	RO44 TO33	2N2191 99240-150	▼ TO33
2N456	TO3	6	2N457 2N458 2N458A 2N459 2N561 2N1021 2N1022	▼ ▼ ▼ ▼ ▼ ▼ ▼	TO3 TO3 TO3 TO3 TO3 TO3 TO3	2N456A 2N1531 2N1532A 2N2527 B-1151B	▼ TO3 TO3 TO3 TO3	TO3 TO3 TO3 TO3 TO3	2N638A 2N1531A 2N1533 2N2528	TO3 TO3 TO3 TO3	2N638B 2N1532 2N2526 B-1151A	TO3 TO3 TO3 TO3	
2N456A	TO3	6	2N457A 2N458A 2N561 2N1021 2N1022 CTP1500 CTP3500	▼ ▼ ▼ ▼ ▼ ▼ ▼	TO3 TO3 TO3 TO3 TO3 TO3 TO41	2N173 2N458B 2N1099	▼ ▼ ▼	TO36 TO3 TO36	2N456B 2N1021A	TO3 TO3	2N457B 2N1022A	TO3 TO3	

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 — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

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1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT					
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
2N457	TO3	6	2N458 2N459 2N561 2N1021 2N1022	▼ TO3 ▼ TO3 ▼ TO3	2N457A 2N1533 2N2423 2N2528	▼ TO3 TO3 TO3 B-1151B	2N638A 2N2289 2N2526 2N2527	TO3 TO3 TO3 TO3	2N638B 2N2290 2N2527	TO3 TO3 TO3
2N457A	TO3	6	2N458A 2N561 2N1021 2N1022 CTP1500	▼ TO3 ▼ TO3 ▼ TO3	2N173 2N1021A CTP3500	▼ TO36 TO3 TO41	2N457A 2N1022A	▼ TO3 TO3	2N458B 2N1099	▼ TO3 TO36
2N458	TO3	6	2N459 2N561 2N639B 2N1021 2N1022 2N2423	▼ TO3 TO3 ▼ TO3 ▼ TO3	2N458A 2N1073B 2N2526 B-1178	▼ TO41 TO3	USN2N1412 2N2289 2N2527	TO36 TO3 TO3	2N1073A 2N2290 2N2528	TO41 TO3 TO3
2N458A	TO3	6	2N458 2N561 2N1021 2N1022 CTP1500 CTP3500	▼ TO3 ▼ TO3 ▼ TO3 ▼ TO41	2N173 2N1022A	▼ TO36 TO3	2N458B 2N1099	▼ TO3 TO36	2N1021A	TO3
2N459	TO3	6			2N2290	TO3	2N2527	TO3	2N2528	TO3
2N460	TO5	2	2N44 2N524 2N1056	RO32 TO5 ▼	2N464 2N1191	▼ TO5	2N465 624478	▼ TO5 RQ31	USAF2N461	TO9
2N461	TO5	2	2N525 2N1924 C242912-7	▼ TO5 #	2N43 2N1373	RO32 TO5	2N43A	▼ R032	2N1372	▼ TO5
2N463	TO32	6	USN2N463	TO32	2N268 2N387 2N638B 2N2528	▼ TO27 TO3 TO3	2N268A 2N459 2N2526 CTP1112	▼ TO3 TO3 TO3 ▼	2N386 2N638A 2N2527 2111275	TO27 TO3 TO3 ▼ TO3
2N464	TO5	2	2N465 2N1056	▼ TO5	2N1176A 2N1924	TO5 TO5	2N1176B 911557-502	▼ TO5 R032	2N1186	TO5
2N465	TO5	2	2N237 2N363 2N525 2N650 2N650A 2N1186	▼ TO5 ▼ TO5 ▼ TO5 ▼ TO5	2N1373	TO5	2N1924	TO5		
2N466	TO5	2	2N192 2N362 2N651A 2N1376 2N1377	▼ TO5 TO5 TO5 TO5 ▼ TO5	RO32 2N324 2N1175	▼ TO5 TO5	2N651 2N1175A	▼ TO5 TO5	2N654 2N1187	TO5 TO5
2N467	TO5	2	2N631 2N2648	TO5 TO5	2N2043	TO5	2N2043A	TO5		
2N468		7	2N326 JAN2N326	▼ MD9 MD1	2N144/13	▼ TO13				
2N471A	TO5	5	2N471 2N472 2N472A 2N749	▼ TO5 TO5 u2	CDQ10017	RO63	CDQ10018	RO63		
2N472	TO5	5	2N472A 2N749 2N756A 2N756 CDQ10018	TO5 u2 TO18 TO18 RO63	2N471 CK474	TO5 TO5	2N475 MT707	TO5 u13	CK419	TO5
2N474	TO5	5	2N839 NS475 NS478 NS733	TO18 TO46 TO46 TO18	2N754 CDQ10021	TO18 RO63	2N755	TO18	CDQ10020	RO63
2N479	TO5	5	2N480 2N759 2N911 BH4550 CDQ10023 CDQ10024	▼ TO18 TO18 TO18 # RO63 RO63	2N337A 2N929A CDQ10021	TO5 TO18 RO63	2N758 2N2523	TO18 TO46	2N759A PMT220	TO18 TO51

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1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT					
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
2N480	TO5	5	2N759 2N759B 2N2523 CDQ10024	TO18 TO18 TO46 RO63	2N759A 2N1984	TO18 TO5	2N911 2N1988	TO18 TO5	2N929A	TO18
2N489	RO33	11	USAF2N489 2N489A 2N489B 2N490 USAF2N490 2N490A 2N490B	TO5 RO33 RO33 RO33 TO5 RO33 RO33	USAF2N491 2N491B 2N493A	TO5 RO33 RO33	2N491 USAF2N493 2N493B	RO33 TO5 RO33	2N491A 2N493	RO33 RO33
2N490	RO33	11	USAF2N490 2N490A 2N490B 386-1073P1	TO5 RO33 RO33 RO33	2N489 2N489B 2N491A	RO33 RO33 RO33	USAF2N489 2N491 2N491B	TO5 RO33 RO33	2N489A USAF2N491	RO33 TO5
2N491	RO33	11	USAF2N491 2N491A 2N491B 2N492 USAF2N492 2N492A	TO5 RO33 RO33 RO33 TO5 RO33	USAF2N489 2N490 2N490B	TO5 RO33 RO33	2N489A USAF2N490 2N492B	RO33 TO5 RO33	2N489B 2N490A	RO33 RO33
2N492	RO33	11	2N491 USAF2N491 2N491A 2N491B USAF2N492 2N492A 2N492B	RO33 TO5 RO33 RO33 RO33 TO5 RO33 RO33	2N490 2N490B 2N494A	RO33 RO33 RO33	USAF2N490 2N494 2N494B	TO5 RO33 RO33	2N490A USAF2N494 2016719-1	RO33 TO5 RO33
USAF2N492	TO5	11	2N491 USAF2N491 2N491A 2N491B 2N492 2N492A 2N492B	RO33 TO5 RO33 RO33 RO33 RO33 RO33	2N490 2N490B 2N494A	RO33 RO33 RO33	USAF2N490 2N494 2N494B	TO5 RO33 RO33	2N490A USAF2N494	RO33 TO5
USAF2N494	TO5	11	2N493 USAF2N493 2N493A 2N493B 2N494 2N494A 2N494B	RO33 TO5 RO33 RO33 RO33 RO33 RO33	2N490 2N490B 2N492A	RO33 RO33 RO33	USAF2N490 2N492 2N492B	TO5 RO33 RO33	2N490A USAF2N492	RO33 TO5
2N494	RO33	11	2N493 USAF2N493 2N493A 2N493B USAF2N494 2N494A 2N494B	RO33 TO5 RO33 RO33 TO5 RO33 RO33	2N490 2N490B 2N492A	RO33 RO33 RO33	USAF2N490 2N492 2N492B	TO5 RO33 RO33	2N490A USAF2N492	RO33 TO5
2N495	TO1	4	2N861 2N1118 2N1118A 2N2377 112-463	TO18 TO5 TO5 TO18 TO1	USA2N495	TO1				
USA2N495	TO1	4	2N495 2N1118 2N1118A 2N2377 112-463	TO1 TO5 TO5 TO18 TO1	2N861					
2N496	TO1	4	2N495	TO1	2N726 2N1119 2N2411	TO18 TO5 TO18	2N861 2N2377	TO18 TO18	2N1118 2N2378	TO5 TO18
2N497	TO5	9	2N2035 2N2036 2N2039 7B1 7B3 ST5061 J353	TO8 TO37 TO5 MD14 MD14 TO11	2N1047 2N1047B 2N1048A 2N1048C 422210	MT5 MT5 MT5 MT5 MT5	2N1047A 2N1047C USN2N1048A 7F1	MT5 MT5 MT5 MT5 MT20	USN2N1047A 2N1048 2N1048B 7F3	MT5 MT5 MT5 MT5 MT20

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1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT						
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
JAN2N497	TO5	5	2028367-1 2028367-2 2028367-3 2028367-5 2028367-6 7632218A	▼✓ T05 ▼✓ T05 ▼✓ T05 ▼✓ MD14 ▼✓ MD14 ▼✓ T05	2N497A 2N698	T05 T05	2N498 900201-53	▼✓ T05 ▼✓ T05	2N498A	TO5	
2N498	TO5	5	JAN2N498 2028367-1 2028367-2 2028367-3 2028367-5 2028367-6	▼♦ T05 ▼✓ T05 ▼✓ T05 ▼✓ T05 ▼✓ MD14 ▼✓ MD14	2N498A 534767-8	T05 OV1	2N498/C 900201-53	▼✓ T05 ▼✓ T05	2N698 7632218A	▼✓ T05	
JAN2N498	♦	TO5	5	2028367-1 2028367-2 2028367-3 2028367-5 2028367-6	▼✓ T05 ▼✓ T05 ▼✓ T05 ▼✓ MD14 ▼✓ MD14	2N497A 2N498A 900201-53	T05 T05 T05	2N498 2N698 7632218A	▼✓ T05 ▼✓ T05	2N498/C 534767-8	▼✓ T05 OV1
2N498/C	TO5	5	JAN2N498 2028367-1 2028367-2 2028367-3 2028367-5 2028367-6	▼♦ T05 ▼✓ T05 ▼✓ T05 ▼✓ T05 ▼✓ MD14 ▼✓ MD14	2N498A 534767-8	T05 OV1	2N498/C 900201-53	▼✓ T05 ▼✓ T05	2N698 7632218A	▼✓ T05 T05	
2N499	TO1	2	2N1405 2N1406 2N1407	▼ T012 ▼ T012 ▼ T012	2N499A 2N2273 TI387	TO1 TO18 RO44	2N1727 TI385 TI388	TO9 RO44 RO44	2N1789 TI386	TO9 RO44	
2N501	TO1	2	2N501A 2N984 2N1500 2N1500/18 2N2170	▼ T01 TO18 TO9 TO18 TO9	2N829 2N2169	TO18 TO9	2N964A 763-1000-15	▼✓ T01	2N983	TO18	
JAN2N501A	TO1	2	2N284 2N284A 2N311 8935915-1 8935915-2 8935915-3	▼ T05 ▼ T05 ▼ T05 ▼✓ T05 ▼✓ T05 ▼✓ T05	JAN2N428 2N1500 763-1000-2	▼♦ T05 ▼ T09 ▼✓ TO1	2N501 2N1500/18	▼ T01 TO18	2N695 2N2170	TO17 TO9	
2N502A	TO9	2			2N509	▼	2N1866	TO9	2N1867	TO9	
2N509		2			2N537 2N2456	TO29 TO18	2N1094	TO28	2N2455	TO5	
2N520	TO5	2	2N190 USAF2N461 2N525 2N533 2N1924 B401-450-1 # TR721 741450-1 #	RO32 TO9 ▼ T05 TO5 TO5 TO5 TO5	2N43 2N520A	RO32 ▼ T05	2N43A 2N1191	▼ RO32 TO5	2N465 2N1414	▼ T05 TO5	
2N520A	TO5	2	2N1449 2N1404 GA52830 2296650	TO5 TO5 ▼ T05 ▼ T05	2N428A USN2N1307 2N1955	TO5 TO5	USN2N651A 2N1316 GT123	▼ T05 TO5 TO5	2N1307 2N1349 ZA97600	▼✓ T05	
2N521A	TO5	2	2N1309 USN2N1309 2N1969	▼♦ T05 ▼ T05 TO5	2N1124 2N2171	RO2 TO5	2N1925	TO5	2N2048	TO9	
2N522	TO5	2	2N417 2N523	▼ T05 TO5	2N522A 2N2374	TO5 TO5	2N1471 2296650	▼ T05	2N1955	TO5	
2N522A	TO5	2			2N359 USN2N1309	TO5 TO5	2N523A UST764	▼ T05 TO9	2N1309	TO5	
2N523A	TO5	2			2N359	TO5	2N522A	▼ T05			

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IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT					
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
2N525	TO5	2	2N363 2N465 2N650A 2N1186 472-0144-001 # S2712-74086-2 # S2712-74086-3 # 2088262-2 #	▼ ▼ TO5 TO5 TO5 TO5	2N43 2N1924	RO32 TO5	2N43A	▼ RO32	2N1373	TO5
2N526	TO5	2	JAN2N526 2N1925 C242912-13 #	▼ TO5 ▼ #	2N321 8935907-1	TO5 ▼ TO5	USN2N1305	▼ TO5	2N1375	TO5
JAN2N526	♦	TO5	2N321 2N394 2N1305 USN2N1305 21371-1 8935907-1	▼ TO5 TO5 TO5 ▼ TO5	2N394A B1154	TO5	2N1354	TO5	2N1681	TO5
2N527	TO5	2	2N651 2N651A 2N1187 2N1926	▼ TO5 TO5 TO5 TO5	2N645 2N1192	▼ TO9 TO5	2N1175	TO5	2N1175A	TO5
2N534	TO23	2	2N2190	RO44						
2N535	TO23	2	2N370/33 2N535A 2N535B 2N1673 T-0021 1066364	▼ TO33 TO23 ▼ TO23 TO33 ▼ TO23 ▼ TO23	2N369 2N1177	▼ OV9 TO45	2N534 2N1515	▼ TO23 TO7	2N987	RO38
2N535B	TO23	2	2N370/33 2N535 2N535A 2N1673 T-0021 1066364	▼ TO35 TO23 TO23 TO33 ▼ TO23 ▼ TO23	2N369 2N1177	▼ OV9 TO45	2N534 2N1515	▼ TO23 TO7	2N987	RO38
2N538A	TO10	6	2N538 2N1203	▼ TO10	2N561 USN2N1412 2N2528	▼ TO3 TO36 TO3	2N637B 2N2526 B1151B	▼ TO3 TO3 TO3	2N638B 2N2527	TO3 TO3
2N539	TO10	6	2N539A H5E2 H6A	▼ ▼ ▼ TO10	JAN2N539M 2N637B 2N1538	▼ TO10 TO3 TO3	JAN2N539AM 2N1159 2N2266	▼ TO10 TO3 TO10	2N637A 2N1203 2N2267	TO3 TO10 TO10
2N539A	TO10	6	2N539 H5E2 H6 H6A 531-001-150 # 1486157 #	▼ ▼ ▼ ▼ TO10	JAN2N539M 2N637B 2N1538 632246-2	▼ TO10 TO3 TO3 TO10	JAN2N539AM 2N1159 2N2266	▼ TO10 TO3 TO10	2N637A 2N1203 2N2267	TO3 TO10 TO10
JAN2N539AM	TO10	6	2N539 2N539A JAN2N539M H5E2 H6A	▼ ▼ ▼ ▼ TO10	2N637A 2N1203 2N2267	▼ TO3 TO10 TO10	2N637B 2N1538	▼ TO3 TO3	2N1159 2N2266	TO3 TO10
JAN2N539M	TO10	6	2N539 2N539A JAN2N539AM H5E2 H6A 928220-1 #	▼ ▼ ▼ ▼ TO10	2N637A 2N1203 2N2267	▼ TO3 TO10 TO10	2N637B 2N1538	▼ TO3 TO3	2N1159 2N2266	TO3 TO10
2N540	TO10	6	2N540A 2N1202 H5E3 928201-3 1979813	▼ ▼ ▼ ▼ ▼ MT7	2N418 2N2212 2N2295	TO3 TO41 TO41	2N420A 2N2292 2N2296	TO3 TO3 TO41	2N1543 2N2293	TO3 TO3

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TA. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
2N540A	TO10	6	2N540 2N1202 H5E3 928201-3 1979813	▼ TO10 TO10 TO10 TO10 ▼/D	2N418 2N2212 2N2295 MT7	TO3 TO41 TO41	2N420A 2N2292 2N2296	TO3 TO3 TO41	2N1543 2N2293	TO3 TO3
2N543	TO5	5	2N740 2N1566A 2N1574 2N2439 CDQ10027	TO18 TO5 ▼/D TO46 R063	2N542 2N910 2N2434 2N2524	TO5 TO18 TO46 TO46	2N736A 2N930A 2N2436	TO18 TO18 TO46	2N841 2N1973 2N2440	TO18 TO5 TO5
2N544	TO7	2	2N247 2N274 2N371 2N372 2N373 2N374	▼ ▼/D TO7 TO7 TO7 TO7	2N370 2N641 2N1226 2N1524	TO7 TO7 TO33 TO9	2N384 2N642 2N1516 2N1525	TO44 TO7 TO7 TO9	2N640 2N1224 2N1517 1850-0003	▼/D TO7 TO7 TO7
2N546	TO5	5	2N545	TO5	JAN2N497 2N498A 2N719 2028367-2 2028367-6	▼ TO5 TO18 ▼/D ▼/D	2N497A 2N698 RT5003 MD14	TO5 TO5 TO5 TO5	JAN2N498 2N698A 2028367-1 2028367-5	▼/D TO5 TO5 ▼/D MD14
2N547	TO5	5	2N549 JAN2N560 2N742	▼ ♦ TO18	JAN2N497 2N498A 2N719 RT5003 2028367-3	▼ TO5 TO5 TO18 ▼/D	2N497A 2N698 RT698M 2028367-1	TO5 TO5 TO46 TO5	JAN2N498 2N698A RT719M 2028367-2	▼/D TO5 TO46 ▼/D MD14
2N548	TO5	5	2N549 2N550 JAN2N560 2N696 2N1420 2N1958 2N2195 2N2195A	▼ TO5 ♦ TO39 TO5 ▼/D TO5 TO5 TO5	JAN2N497 2N498A 2N719 RT719M 2028367-2 2028367-6	▼ TO5 TO5 TO18 TO46 ▼/D TO5 ▼/D MD14	2N497A 2N698 2N742 RT5003 2028367-3	TO5 TO5 TO18 TO5 TO5	JAN2N498 2N698A RT698M 2028367-1 2028367-5	▼/D TO5 TO46 ▼/D MD14
2N549	TO5	5	2N547 JAN2N560 2N742 386-1068P1 # 617903-1 #	▼ ♦ TO5 TO18	JAN2N497 2N498A 2N719 RT5003 2028367-2 2028367-6	▼ TO5 TO5 TO18 TO5 ▼/D ▼/D MD14	2N497A 2N698 RT698M 617903-2 2028367-3	TO5 TO5 TO46 TO5 TO5	JAN2N498 2N698A RT719M 2028367-1 2028367-5	▼/D TO5 TO46 ▼/D MD14
2N551	TO5	5	2N497A 2N498A 2N698 2N698A TRS100 TRS101	TO5 TO5 TO5 TO5 TO5	2N560 RT5003	▼ TO5	2N719A	TO18	2N758B	TO18
2N552	TO5	5	2N551 2N696 2N698 2N698A 2N1958 TRS100 TRS101 PMT213	▼ ▼/D TO5 TO5 TO5 TO5 TO5 TO5 TO51	2N497A 2N2194A	TO5 TO5	2N498A 2N2217	TO5 TO5	2N2194 2N2395	TO5 TO50
2N553	MD1	6	2N665 JAN2N665 2N1182	▼ ▼/D ▼/D	TO3 TO3 CST1789	TO3 MS7 MS7	2N235B CTP1150	▼ TO3	2N1202 CTP1730	▼/D TO10 MS7
2N559	TO28	2	2N1141 2N1142 2N1143	▼ TO5 TO5	2N828 2N968	TO18 TO18	2N828A 2N972	TO18 TO18	2N960 2N1195	▼/D TO18 TO29
2N560	TO29	5	2N698A 2N719 2N719A 2N2311 2N2312 2N2313 RT698M	TO5 TO18 TO18 TO46 TO46 TO46 TO46	2N2239 RT5003	TO37 TO5	575-R523-HO2 ▼/D		RT719M	TO46

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IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
2N561	TO3	6	2N638B 2N1021 2N1022 2N2526 2N2527 2N2528	TO3 ▼ TO3 ▼ TO3 TO3 TO3	2N458A 2N1412 2N2075A 965927-401 TO3 TO3 TO3	TO3 ▼ TO36 TO36 MT2	2N637B USN2N1412 B-1151B	TO3 TO36 TO3	2N1100 2N2075 B-1178	TO36 TO36 TO3
2N563		2	2N111 2N111A 2N464 2N1408	OV4 ▼ TO5 TO5	2N112 2N1413	OV4 TO5	2N112A TR722	TO5	2N413	TO5
2N565		2	2N566 4096-2404-1 ▼ 4096-2404-2 ▼ 4096-2404-3 ▼ 4096-2404-4 ▼	TO5 TO5 TO5 TO5 TO5	2N363 2N427 7733719-1 ▼	TO5 TO5 TO9	2N414 2N1415	TO5 TO5	2N414B 4096-2404-5 ▼	TO5 TO5
2N571		2	2N572 2N2648 UST764	TO5 TO5 TO9	2N467 2N2043A	TO5 TO5	2N631	TO5	2N2043	TO5
2N574A	MT7	6	2N574	MT7	2N629 2N677C 2N1031B ST107	TO3 TO3 TO41 TO36	2N630 2N1029B 2N1031C ST108	TO3 MD16 TO41 TO36	2N677B 2N1029C ST106 CYT1552	TO3 MD16 TO36 TO41
2N575	MT7	6	USA2N575 2N575A	MT7 MT7	2N1166 2N1167A	TO3 TO41	2N1166A	TO3	2N1167	TO41
USA2N575	MT7	6	2N575 2N575A	MT7 MT7	2N1166 2N1167A	TO3 TO41	2N1166A	TO3	2N1167	TO41
2N582	TO5	2	2N404 2N584 DXX763-1000-3 #	TO5 TO1	2N580	TO9	75-200 ▼	TO9	763-1000-9 ▼	TO1
2N585	TO5	3	2N1090 2N1091	TO9 TO9	2N444A USN2N1310 1980402	TO5 TO5 ▼	2N634A 2N1993	TO5 TO5	USN2N1302 107-279 ▼	TO5 TO5
2N591	TO1	2	2N217 2N270 2N591/5 ST103	TO1 TO27 TO5 TO5	2N1631 2N1636 2N1866	TO9 TO9 TO9	2N1632 2N1637	TO9 TO9	2N1635 2N1788	TO9 TO9
2N592	TO9	11	B401-452-1 #		2N593	TO9				
2N593	TO9	11			2N592	TO9				
2N594	TO5	11	2N595 2N1169 2N1170 2N1994 2N1995 2N1996 354-3032-1 #	TO5 TO5 TO5 TO5 TO5 TO5	2N596	TO5				
2N596	TO5	11			2N594 2N1169 2N1996	TO5 TO5 TO5	2N595 2N1994	TO5 TO5	2N1170 2N1995	TO5 TO5
2N597	TO9	2	2N1123 2N1496 2N1997 723045-2	TO31 TO31 TO5 TO31	2N1495 2031170 #	TO9	2N2097	TO31	2N2100	TO9
2N598	TO9	2	2N600	TO31	2N599 2N1999 OC123	TO9 TO5 TO7	USN2N599M 2N2000 723005-6	TO9 TO5 TO31	2N601 2N2001	TO31 TO5
2N599	TO9	2	USN2N599M 2N601 2N1999 723005-6	TO9 TO31 TO5 TO31	2N527A 2N2000	TO5 TO5	2N598 2N2001	TO9 TO5	2N600 OC123	TO31 TO7
USN2N599M	TO9	2	2N599 2N601 2N1999 723005-6	TO9 TO31 TO5 TO31	2N527A 2N2000	TO5 TO5	2N598 2N2001	TO9 TO5	2N600 OC123	TO31 TO7
2N600	TO31	2	2N527A	TO5	2N598 2N601 723005-6	TO9 TO31 TO31	2N599 2N1999	TO9 TO5	USN2N599M 2N2001	TO9 TO5
2N618	TO3	6	2N301A CTP1520 4096-3037	TO3 ▼ TO3	2N301 2N2145 2N2146A	TO3 TO3 TO3	2N2144 2N2145A	TO3 TO3	2N2144A 2N2146	TO3 TO3

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
2N619	T05	5	2N756A 2N1074 575-R680-HO1 447475	TO18 ▼ TO5 TO11 OV1	2N1154 2N1156/953	▼ OV9 ▼ OV1	2N1155 TI480	▼ OV9 TO11	2N1156 TI481	▼ OV9 TO11	
2N630	T03	6	2N1552 2N1552A CYT1552	TO3 TO3 TO41	2N574A 2N677C 2N1031B ST107	▼ ▼ TO3 TO41 TO36	MT7 2N574 2N1029B 2N1031C	MT7 MD16 TO41	2N677B 2N1029C ST106	▼ TO3 MD16 TO36	
2N634	T09	3	2N634A 908288	▼ TO5	2N357 2N635 2N636A 8935905-3	▼ ▼ TO5 ▼ TO5	2N357A 2N635A 763-1005	TO5 TO9 TO5 ▼ TO5	2N587 2N636 8935904-1	TO5 TO9 TO5 ▼ TO5	
2N635	T09	3	2N634A 2N635A	▼ TO5	2N357 2N634 763-1005	▼ ▼ ▼ ▼ TO5	2N357A 2N636 8935904-1	TO5 TO9 TO5 ▼ TO5	2N587 2N636A 8935905-3	TO5 TO5 TO5 ▼ TO5	
2N635A	T05	3	2N1306 USN2N1306 16T5D	▼ TO5 ▼ TO9	2N445A 2N636 2N1308 2N2085	▼ ▼ TO5 TO5	2N634A 2N636A USN2N1308	TO5 TO5 ▼ TO5	2N635 2N1114 2N1993	TO9 TO5 TO5	
2N636	T09	3	2N357A	TO5	2N357 2N587 723001-4	▼ ▼ ▼ TO5	2N358 2N635	TO5 TO9	2N358A 763-1005	TO5 ▼ TO5	
2N637A	T03	6	2N375 2N637B 2N1021 2N1022 2N1159 2N1538	▼ ▼ ▼ ▼ ▼ TO3	2N1022A USN2N1412 632246-2	TO3 TO36 TO10	2N1362 2N2141	TO3 TO3	2N1364 2N2141A	▼ TO3 TO3	
2N637B	T03	6	2N1364	▼ TO3	2N1159 2N1538 2N2141	▼ TO3 TO3	2N1412 2N2079 2N2141A	TO36 TO36 TO3	USN2N1412 2N2079A 251M1	TO36 TO36 TO36	
2N639B	T03	6	2N458 2N2423	▼ TO3	2N1073A 2N2289 2N2527	▼ TO3 TO3	2N1073B 2N2290 2N2528	TO41 TO3 TO3	USN2N1412 2N2526 B1178	TO36 TO3 TO3	
2N641	T07	2	2N247 2N274 2N640 2N642 2N1224 2N1226	▼ ▼ ▼ ▼ ▼ TO33	2N384 2N1225	TO44 TO33	2N1023 ST103	TO44 ▼ TO5	2N1066	TO33	
2N644	T09	2	2N643 2N645 TI365	TO9 ▼ TO9 RO44	2N274 2N1141	▼ TO5	2N384 2N1142	TO44 ▼ TO5	2N1094 2N1195	TO28 TO29	
2N645	T09	2	2N644 TI365	TO9 RO44	2N274 2N1141	▼ TO5	2N384 2N1142	TO44 ▼ TO5	2N1094 2N1195	TO28 TO29	
2N647	T01	3	2N649	TO1	2N440A 8935905-2	▼ TO5	2N1012	TO5	A99240-132	▼ TO9	
2N650	T05	2	2N363 2N465 2N525 2N650A 2N1186 2N1924	▼ ▼ ▼ TO5 TO5 TO5	2N237		2N1373	TO5			
2N651	T05	2	2N527 2N651A 2N1187 2N1926	▼ TO5 TO5 TO5	2N645 2N652A 2N1192	▼ TO5 ▼ TO5	2N652 2N1175	TO5 TO5	USN2N652A 2N1175A	♦ TO5 TO5	
2N652	T05	2	2N1188 2243255	▼ TO5	2N652A 2N1193	▼ TO5	USN2N652A 2N2043	TO5 TO5	2N655 2N2043A	TO5 TO5	
2N652A	T05	2	2N467 USN2N652A 2N1193	▼ TO5	2N569 2N1188 2N2374	▼ TO5 TO5	2N570 2N2043 2243255	TO5 TO5 TO5	2N655 2N2043A	TO5 TO5	
2N654	T05	2	2N527 2N651 2N1175 2N1175A 2N1187 2N1192 B401-454-1	▼ ▼ ▼ TO5 TO5 TO5 #	2N651A	TO5	2N653	TO5	2N1926	TO5	

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IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
2N656	TO5	5	JAN2N656 2N56A 2N57A 575-R523H02 617907-1	▼ ▼ ▼ ▼ #	TO5 TO5 TO5	2N1253A 2N1893	TO5 TO5	USN2N1893 ▼♦	TO5	2N1889	TO5
2N656A	TO5	5	2N657A	▼	TO5	JAN2N656 2N2239 617907-2	TO5 TO37 MT20	JAN2N657 ♦ 2N2297	TO5 TO5	2N1253A 575-R523-H02 ▼♦	TO5
2N657	TO5	5	JAN2N657 2N657A 2N657/C 2029155-1 2029155-2	♦ ▼ ▼ ▼ ▼	TO5 TO5 TO5 TO5 TO5	2N498A 2N699B 2N2243 RT5004 J560	TO5 TO5 TO5 TO5 #	2N698 2N1893 2N2243A 8935908-1 ▼♦	TO5 TO5 TO5 TO5	2N699A USN2N1893 ▼♦ RT5003 8935908-2 ▼♦	TO5 TO5 TO5 TO5
2N657A	TO5	5				JAN2N657 2N699B 2N2243 RT5004	TO5 TO5 TO5 TO5	2N698 2N1893 2N2243A	TO5 TO5 TO5	2N699A USN2N1893 ▼♦ RT5003	TO5 TO5 TO5
2N657/C		5	JAN2N657 2N657A 2N657/C 2029155-1 2029155-2	♦ ▼ ▼ ▼ ▼	TO5 TO5 TO5 TO5 TO5	2N498A 2N699B 2N2243 RT5004	TO5 TO5 TO5 TO5 TO5	2N698 2N1893 2N2243A 8935908-1 ▼♦	TO5 TO5 TO5 TO5	2N699A USN2N1893 ▼♦ RT5003 8935908-2 ▼♦	TO5 TO5 TO5 TO5
2N658	TO5	2	2N1057 CK911	▼	RO32 TO5	2N320 2N1448 1653139-1	TO5 TO5 TO5	2N633 2N1451 7733719-1 ▼♦	TO5 TO5 TO5	2N659 2N1452	TO5 TO5
2N659	TO5	2	2N597 2N662 2N1123 2N1478 CK911	▼ ▼ ▼ ▼ ▼	TO9 TO5 TO31 TO9 TO5	2N226 2N526A 1653139-2	TO25 TO5 TO5	2N270 2N660	TO27 TO5	2N525A 2N661	TO5 TO5
2N665	TO3	6	2N553 JAN2N665 2N1182 CTP1730 C242912-8	▼ ▼ ▼ ▼ #	MD1 TO3 TO3 MS7	2N235B 2N1757	TO3 MS7	2N236B CTP1150	TO3	2N1202 CST1789	TO10 MS7
JAN2N665	TO3	6	2N553 2N665 2N1182 CTP1730	▼ ▼ ▼ ▼	MD1 TO3 TO3 MS7	2N235B 2N1757	TO3 MS7	2N236B CTP1150	TO3	2N1202 CST1789	TO10 MS7
2N669	TO3	6	2N618 2N1168 2N1360 2N1363 410843-1	▼ ▼ ▼ ▼ ▼	TO3 TO3 TO3 TO3 TO3	4096-3037 ▼♦	TO3	CTP1520	▼		
2N670	RO2	2	2N671 908181	▼ ▼♦	TO26 TO11	2N674	▼	RO2	2N2000	TO5	
2N671	TO26	2				2N670 2N2000	▼	RO2 TO5 ▼♦ TO11	2N671 908181	TO26 2N674 ▼	RO2
2N674	RO2	2	QR1519 908181	# ▼♦	TO11	2N670	▼	RO2			
2N677A	TO3	6	2N511A 2N511B 2N512A 2N512B 2N677B 2N677C 2N1120 USA2N1120	▼ ▼ ▼ ▼ ▼ ▼ # ▼	MD4 MD4 MD4 MD4 TO3 TO3 TO41 TO3	2N1029A 2N1031A 2N1554 2N1555A	MD16 TO41 TO3 TO3	2N1029B 2N1031B 2N1554A 2N1556	MD16 TO41 TO3 TO3	2N1029C 2N1031C 2N1555 2N1556A	MD16 TO41 TO3 TO3
2N677B	TO3	6	2N511A 2N511B 2N512A 2N512B 2N677C	▼ ▼ ▼ ▼ ▼	MD4 MD4 MD4 MD4 TO3	2N1029B 2N1031C 2N1555 2N1556A	MD16 TO41 TO3 TO3	2N1029C 2N1120 2N1555A	MD16 TO41 TO3 TO3	2N1031B USA2N1120 ▼♦ 2N1556	TO41 TO3 TO3
2N677C	TO3	6	2N1556 2N1556A		TO3 TO3	2N511B 2N1521	MD4 TO36	2N512B 2N1523	MD4 TO36	2N1519 CYT1556	TO36 TO41

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2N678A	TO3	6	2N678B 2N678C 2N1030A 2N1030B 2N1030C 2N1032A 2N1032B 2N1032C	TO3 ▼ TO3 MD16 MD16 MD16 TO41 TO41 TO41	2N1558 2N1559A CYT1558	TO3 TO3 TO41	2N1558A 2N1560 CYT1559	TO3 TO3 TO41	2N1559 2N1560A CYT1560	TO3 TO3 TO41
2N678C	TO3	6	2N1030C 2N1032C 2N1560 2N1560A	MD16 TO41 TO3 TO3	MP506 MP507A	TO36 TO36	MP506A CYT1560	TO36 TO41	MP507	TO36
2N696	TO5	5	USA2N696 2N719A 2N1958 2N2194 2N2194A PMT213	▼ TO5 TO18 TO5 TO5 TO5 TO51	2N560	▼ TO29	2N2217	TO5		
USA2N696	TO5	5	2N696 2N719A 2N1958 2N2194 2N2194A PMT213	▼ TO5 TO5 TO5 TO5 TO5 TO51	2N560	▼ TO29	2N2217	TO5		
2N697	TO5	5	USA2N697 2N699 2N1613 2N1959 2N2193 2N2193A SP8400	▼♦ ▼ ▼ ▼ TO5 FT4000AB	USN2N1613 USN2N1893 FT4000AB	▼♦ TO5 ▼ TO5	2N1889 202-328	▼ TO5 TO5	2N1893 PMT214	TO5 TO51
USA2N697	♦	TO5	2N697 2N699 2N1613 2N1959 2N2193 SP8400	▼ ▼ ▼ ▼ TO5 FT4000AB	USN2N1613 2N2193A FT4000AB	▼♦ TO5 ▼ TO5	2N1893 202-328	▼ TO5 TO5	USN2N1893 PMT214	TO5 TO51
2N699	TO5	5	2N699A 2N2243 2N2243A SP8400 1655248	TO5 TO5 TO5 TO5 #	2N1889	TO5	2N1893	TO5	USN2N1893	TO5
2N700	TO17	2	2N700A 2N1405 2N1406 2N2363	TO17 ▼ TO12 ▼ TO12 RO38						
2N702	TO18	5	2N734 2N834 2N1051 RT696AM	TO18 TO18 ▼ TO29	2N696A 2N706C 2N988 2N1708	TO5 TO18 TO18 TO46	2N706 2N784 2N1564 2N2205	▼ TO18 TO18 TO5	2N706B 2N835 2N1572 2N2368	TO18 TO18 TO5 TO18
2N703	TO18	5	2N708A 2N739 2N762 2N916 RT697AM	TO18 TO18 TO18 TO18 TO46	2N913 2N2413 928104-2	TO18 TO18 ▼ TO5	2N1573 RT5204 2196056	▼ TO5 TO5	2N1644A RT5212	TO5
2N706	TO18	5	USA2N706 2N706A 2N706B 2N706C 2N834 2N835 2N2368	▼♦ TO18 ▼ TO18 TO18 TO18 TO18	2N696A RT696AM	TO5 TO46	2N734	TO18	2N1051	TO29
USA2N706	♦	TO18	2N706A 2N706B 2N706C 2N834 2N835 2N2368	▼ TO18 TO18 TO18 TO18 TO18	2N696A RT696AM	TO5 TO46	2N734	TO18	2N1051	TO29
2N706A	TO18	5	2N706 2N706B 2N706C 2N834 2N835 2N2368	▼ TO18 ▼ TO18 TO18 TO18 TO18	2N696A RT696AM	TO5 TO46	2N734	TO18	2N1051	TO29

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1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT					
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
2N711	TO18	2	2N705 2N710 2N711A 2N711B 2N1195	TO18 TO18 TO18 TO18 TO29	2N537	TO29	TI440	TO50	TI442	TO50
2N716	TO18	5	2N715	TO18	2N734 2N1493	TO18 TO12	2N1051	TO29	2N1492	TO12
2N753	TO18	5	2N708A 2N744 2N784 2N916 2N2242	TO18 TO18 TO18 TO18 TO18	2N2413	TO18	FT1324B	RO64		
2N863	TO18	4	2N861	TO18	2N495 2N860 2N1118 112-463	TO1 TO18 TO5 TO1	2N858 2N862 2N1118A	TO18 TO18 TO5	2N859 2N869 2N2377	TO18 TO18 TO18
2N953	OV7	5	2N1156 2N1156/953 412141-1 563364-3 1876673	▼ ▼ ▼ # ▼	OV9 OV1 TO11 TO11	J-66 ▼ TO11	OV1	J-143	▼ OV9	575-R680-H01▼
2N965	TO18	2	2N964 2N964A 2N966 2N967	TO18 TO18 TO18 TO18	2N972	TO18	2N973	TO18	2N974	TO18
2N1008	TO5	2	2N1008A 2N1008B 2N1307 USN2N1307 2N1706 GT123	▼ ▼ ▼ ▼ TO5 TO5	TO5 TO5 TO5 TO5 TO5 TO5	2N396 2N428A 2N1347	TO5 TO5 TO5	2N396A USN2N651A 2N1707	TO5 TO5 TO5	USN2N396A 2N1284
2N1008A	TO5	2	2N382 USN2N651A 2N1008B 2N1348 2N1350 2N1449	▼ ▼ ▼ TO5	TO5 TO5 TO5	2N383 2N1956	TO5 TO5	2N1349 2N1957	TO5	2N1954 2296650
2N1008B	TO5	2	1850-0049	#		2N1187 2N1954 8935907-1	TO5 TO5 ▼ TO5	2N1188 2N1956	TO5 TO5	2N1926 2N1957
2N1010	TO1	3				2N98 2N126 2N292 2N1311	▼ TO9	2N99 2N168A 2N293 2N1694	OV5 OV5 OV5 TO5	2N125 2N182 2N1058
2N1011	TO3	6	2N457A 2N458A 2N637A 2N637B 2N1021 2N1022	▼ ▼ ▼ ▼ ▼ ▼	TO3 TO3 TO3 TO3 TO3 TO3	2N457B 2N1022A 2N1537	TO3 TO3 TO3	2N458B 2N1536 2N1537A	TO3 TO3 TO3	2N1021A 2N1536A 2N1538
2N1015A	MT1	9	2N1015B 2N1015C 2N1015D 2N1015E 046H02 107-342-3 2031039	▼ ▼ ▼ ▼ ▼ ▼ ▼	MT1 MT1 MT1 MT1 MT1 MT1 MT3	2N1016A 2N1016C USA2N1016DM STC1015B	▼ MT1 MT1 MT1 MT1 MT1 MT3	2N1016B USA2N1016M 2N1016E STC1015C	MT1 MT1 MT1 MT1 MT1 MT1	USA2N1016BM 2N1016D 2N1016E STC1015A STC1015D
2N1015C	MT1	9	2N1015D 2N1015E 05-990110 046H02 WX1015C WX1015D 2031039	▼ ▼ ▼ ▼ ▼ ▼ ▼	MT1 MT1 MT1 MT1 MT1 MT1 MT3	2N1016C USA2N1016DM STC1015D	▼ MT1 MT1 MT1	USA2N1016CM 2N1016E STC1016C	MT1 MT1 MT1	2N1016D STC1015C STC1016D
2N1015D	MT1	9	2N1015E 05-990110 WX1015D 1020278 2031039	▼ ▼ ▼ # ▼	MT1 MT1 MT1 MT1 MT3	2N1016D STC1015D	▼ MT1 MT1	USA2N1016DM STC1016D	MT1 MT1	2N1016E

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♦ - PREFERRED TYPE - MIL-STD 701

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2N1016	MT1	9	2N1016E 2N1016A 2N1016B USA2N1016BM 2N1016C USA2N1016CM 2N1016D USA2N1016DM 107-342-1	MT1 ▼ MT1 ▼ MT1 MT1 ▼ MT1 MT1 ▼ MT1 MT1 #	2N1015 2N1015C 05-990110 WX1015C	MT1 ▼ MT1 ▼ MT1 MT1 ▼ MT1 MT1 ▼ MT1 MT1 ▼ MT1	2N1015A 2N1015D 046H02 WX1015D	MT1 ▼ MT1 ▼ MT1 MT1 ▼ MT1	2N1015B 2N1015E 107-342-3 MT1 2031039	MT1 MT1 ▼ MT1 ▼ MT1	
2N1016A	MT1	9	2N1016B USA2N1016BM 2N1016C USA2N1016CM 2N1016D USA2N1016DM 2N1016E 05-990110 107-342-2 046H02	MT1 ▼ MT1 ▼ MT1 MT1 ▼ MT1 MT1 MT1 ▼ MT1 #	2N1015A 2N1015 WX1015C	MT1 ▼ MT1 ▼ MT1	2N1015B 2N1015E WX1015D	MT1 MT1 ▼ MT1	2N1015C 107-342-3 MT1 2031039	MT1 MT1 ▼ MT1	
2N1016B	MT1	9	USA2N1016BM 2N1016C USA2N1016CM 2N1016D USA2N1016DM 2N1016E 05-990110 107-342-4 2031039	MT1 ▼ MT1 MT1 ▼ MT1 MT1 MT1 ▼ MT1 #	2N1015B 2N1015E STC1015C WX1015D STC1016D	MT1 ▼ MT1 MT1 ▼ MT1 MT1	2N1015C 107-342-3 STC1015D STC1016B 2031039	MT1 ▼ MT1 MT1 MT1 ▼ MT3	2N1015D STC1015B WX1015C STC1016C	MT1 MT1 ▼ MT1 MT1	
2N1016C	MT1	9	USA2N1016CM 2N1016D USA2N1016DM 2N1016E 05-990110 107-342-4 2031039	MT1 ▼ MT1 MT1 MT1 ▼ MT1 #	2N1015C STC1015C WX1015D	MT1 ▼ MT1 ▼ MT1	2N1015D STC1015D	MT1 MT1	2N1015E WX1015C	MT1 MT1	
2N1016D	MT1	9	USA2N1016DM 2N1016E 05-990110 107-342-5 WX1015D 2031039	MT1 MT1 ▼ MT1 #	2N1015D STC1016D	MT1 ▼ MT1	2N1015E	MT1	STC1015D	MT1	
2N1017	TO5	2			2N599 1980409	▼ ▼ MT1	TO9 TO9	2N601	TO31	2N1018	TO5
2N1021	TO3	6	2N1022 2N1159 2N1362 2N1364 2N1537 2N1537A 2N1538	▼ ▼ TO3 ▼ TO3 TO3	2N1099 251M1	▼ TO36	2N1100 2156874	▼ ▼ MT1	TO36 TO3	2N1358A	TO36
2N1022	TO3	6	2N1159 2N1364 2N1538	▼ ▼ TO3	2N174 2N1100	▼ TO36	2N1021 2N1358A	▼ TO3	2N1099 251M1	TO36 TO36	
2N1026	TO5	4	2N939 JAN2N1026M 2N1474A C242912-16 632526-1	▼ MT5 TO5 #	TO18 T05 T05 2N1476	TO18 ▼ T05 T05	2N981 2N1035 OC201	▼ TO5 RO8	USA2N1026A 2N1474 632526-2	TO5 TO5 TO5	
2N1026A	TO5	4	2N940 USA2N1026A 2N1257 2N1259 2N1469 JAN2N1409M	▼ TO5 TO5 TO5 TO5	TO18	2N2424	TO5	2N2425	TO5		
USA2N1026A	TO5	4	2N940 2N1026A 2N1257 2N1259 2N1469 JAN2N1469M	▼ TO5 TO5 TO5 TO5	TO18 T05 T05 T05 T05	2N2424	TO5	2N2425	TO5		

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2N1032A	TO41	6	2N678A 2N678B 2N678C 2N1030A 2N1030B 2N1030C 2N1032B 2N1032C	▼ TO3 TO3 ▼ MD16 MD16 MD16 TO41 TO41	2N1558 2N1559A CYT1558	TO3 TO3 TO41	2N1558A 2N1560 CYT1559	TO3 TO3 TO41	2N1559 2N1560A CYT1560	TO3 TO3 TO41
2N1034	TO5	4	2N1275 2N1655 2088262-13 #	▼ TO5 TO5 576-R047-H01	2N935 2N1035M HA7531	TO18 TO5 TO5	2N938 2N1232 2N1440	TO18 TO5 TO5	2N1025 2N1440	TO5 TO5
2N1035	TO5	4	2N939 2N1026 JAN2N1026M 2N1037 2N1474A 2N1654 2N1656 2088262-15 #	TO18 ▼ TO5 TO5 ▼ TO5 TO5 TO5	2N981 2N1441	▼ TO5	2N1036 2N1474	TO5 TO5	2N1037 OC201	TO5 RO8
2N1036	TO5	4	2N940 2N1469 JAN2N1469M 2N1475	TO18 ▼ TO5 TO5	2N1259 HA9059	TO5 TO18	2N1443	TO5	HA9058	TO18
2N1037	TO5	4	2N1035 2N1441 2N1474 2N1476 723025-18	▼ TO5 TO5 TO5 TO5	2N939 2N1656	TO18 TO5	2N1036 HA7598	▼ TO5	2N1654 X3	TO5
2N1038	RO62	6	2N1039 2N1040	▼ RO62 ▼	2N1038-1 2N1039-1 2N1040-2 2N1041-1 2N2553 2N2560	MT27 MT27 MT6 MT27 MT27 MT27	2N1038-2 2N1039-2 2N1041 2N1041-2 MT6 MT28	MT6 MT6 ▼ RO62 MT6 MT28	USN2N1039 2N1040-1 USN2N1041 2N2552 2N2557 2N2561	▼ TO11 MT27 RO62 USN2N1041 MT27 MT27
2N1038-1	MT27	6	2N1039-1 2N1040-1 2N1041-1	MT27 MT27 MT27	2N1038 USN2N1039 2N1040-2 2N1041-2 2N2556 2N2561	▼ TO11 MT6 MT6 MT6 MT6 MT27	2N1038-2 2N1039-2 2N1041 2N1041-2 MT6 MT28	MT6 MT6 ▼ RO62 MT6 MT27	2N1039 2N1040-1 USN2N1041 2N2553 2N2557 2N2560	▼ RO62 RO62 USN2N1041 MT27 MT27
2N1039	RO62	6	2N1040 2N1041	▼ RO62 ▼	USN2N1039 2N2554 2N2558 2N2562 2N2566	TO11 MT27 MT28 MT27 TO11	USN2N1041 2N2555 2N2559 2N2563 2N2567	▼ TO11 MT27 MT28 MT27 TO11	2N2553 2N2557 2N2561 2N2565 2028539	MT27 MT28 MT27 TO11 RO28
USN2N1039	TO11	6	2N1039 2N1040 USN2N1041 2N1041	▼ RO62 ▼ TO11 ▼	2N2553 2N2557 TO11 2N2561 2N2565	MT27 MT28 TO11 MT27 TO11	2N2554 2N2558 2N2562 2N2563 2N2566	MT27 MT28 MT27 MT27 TO11	2N2555 2N2559 2N2563 2N2567	MT27 MT28 MT27 TO11
2N1040	RO62	6	2N1040-2 USN2N1041 2N1041 2N1044 2N1044-2	MT6 ▼ TO11 RO62 MT6	2N1040-1 2N1044-1 2N2558 2N2563 MT6	MT27 MT27 MT28 MT27 MT27	2N1041-1 2N2554 2N2559 2N2562 2N2565	MT27 MT27 MT28 MT27 TO11	2N1041-2 2N2555 2N2562 2N2563 2N2567	MT6 MT27
2N1041	RO62	6	USN2N1041 2N1041-2 2N2559 2N2567	▼ TO11 MT6 MT28 TO11	2N1045 2N1041-1	MT6 MT27	2N1045-1 2N2555	▼ MT27 MT27	2N1045-2 2N2563	MT6 MT27
USN2N1041	TO11	6	2N1041 2N2559 2N2567	▼ RO62 MT28 TO11	2N1045 2N1041-1	MT6 MT27	2N1045-1 2N1041-2	▼ MT27 MT6	2N1045-2 2N2555	MT6 MT27
2N1042	MT6	6	2N1042-2 2N1043 2N1043-2 2N1044 2N1044-2	MT6 ▼ MT6 ▼ MT6	2N463 2N1043-1 2N1045-1 2N2266 2N2561	TO32 ▼ MT27 ▼ MT27	USN2N463 2N1044-1 2N1045-2 TO10 MT27	TO32 MT27 MT6 TO10 MT27	2N1042-1 2N1045 2N1261 2N2560 2N2563	MT27 MT6 TO10 MT27 MT27

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
2N1042-1	MT27	6	2N1043-1 2N1044-1	▼ MT27	2N463 2N1042-2 2N1044 2N1045-1 2N2266 2N2561 2N2564 2N2567	▼ TO32 MT6 MT6 MT27 TO10 MT27 TO11	USN2N463 2N1043 2N1044-2 2N1045 2N2266 2N2562 2N2566	▼ TO32 MT6 MT6 MT27 TO10 MT27 TO11	2N1042 2N1043-2 2N1045 2N1261 TO10 2N2560 MT27 TO11	▼ MT6 MT6 MT6 TO10 2N2561 MT27 TO11
2N1043	MT6	6	2N1043-2 2N1044 2N1044-2 2N1045	▼ MT6 ▼ MT6 ▼ MT6	2N463 2N538A 2N1045-1 2N2266 2N2562 2N2566	▼ TO32 ▼ TO10 ▼ MT6	USN2N463 2N1043-1 2N1045-2 2N2267 2N2563 2N2567	▼ TO32 MT6 MT6 TO10 MT27 TO11	2N538 2N1044-1 2N1261 TO10 2N2561 2N2565	TO10 MT27 TO10 MT27 TO11
USA2N1043	MT6	6	2N1043 2N1043-2 2N1044 2N1044-2 2N1045 21225-1	▼ MT6 ▼ MT6 ▼ MT6 #	2N463 2N1043-1 2N1045-2	▼ TO32 MT6 MT6	USN2N463 2N1044-1	▼ TO32 MT27	2N538A 2N1045-1	▼ TO10
2N1043-1	MT27	6	2N1044-1 2N1045-1	▼ MT27	2N463 2N538A 2N1044 2N1045-2 2N2267 2N2563 2N2567	▼ ▼ ▼ MT6 MT6 TO10 MT27 TO11	USN2N463 2N1043 2N1044-2 2N1261 TO10 2N2561 MT27 2N2566	▼ TO32 MT6 MT6 TO10 2N2266 MT27 2N2562 TO11 2N2566	2N538 2N1043-2 2N1045 TO10 2N2266 MT27 2N2562 TO11 2N2566	TO10 MT6 MT6 TO10 TO10 MT27 TO11
2N1044	MT6	6	2N1044-2 2N1045 2N1045-2	▼ MT6 ▼ MT6	2N463 2N538A 2N2266 2N2563 2N2567	▼ ▼ TO10 MT27 TO11	USN2N463 2N1044-1 2N2267 MT27 2N1203 2N2567	▼ TO32 TO10 TO10 MT27 TO11	2N538 2N1045-1 2N2562 TO10 2N2566 H6A	TO10 MT27 TO10 MT27 TO11 TO10
2N1044-2X #			see 928201-5							
2N1045	MT6	6	2N1045-2 2N1203 2N2567	▼ TO10 TO11	2N1045-1 2N2527	▼ MT6	2N1533 2N2528	▼ MT27 TO3	2N1538 2N2563	TO3 TO3
2N1045-1	MT27	6	2N1045 2N1045-2 2N1203 2N2563	▼ MT6 ▼ TO10 MT27	2N1533 2N2528	TO3 TO3	2N1538 2N2567	TO3 TO11	2N2527	TO3
2N1046X #			see 928201-6							
2N1047	MT5	9	2N1047A USN2N1047A 2N1047B 2N1047C 2N1048 2N1048A USN2N1048A 107-343-1 1060460-1	▼ MT5 MT5 MT5 MT5 MT5 MT5 MT5 #	2N1048B AMF103	MT5 MS3	2N1048C AMF106	MT5 TO3	94-079 AMF109	▼ MS6 MT10
2N1048	MT5	9	2N1048A USN2N1048A 2N1048B 2N1048C 107-343-2 422210 900201-146 1060460-2	MT5 MT5 MT5 MT5 # ▼ MT5	2N2018	MT11	2N2019	MT11	94-079	▼ MS6
2N1049	MT5	9	2N1049A USN2N1049A 2N1049B 2N1049C 2N1050 2N1050A USN2N1050A 2N1050B 2N1768 107-343-3 1060460-3	MT5 MT5 MT5 MT5 MT5 MT5 MT5 MT5 MT5 #	2N1050C 2N2019 107-343-4	▼ MT5 MT11 MT5	2N1650 2N2020 1060460-4	▼ MT11 MT11 MT5	2N2018 2N2021	MT11 MT11

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2N1050	MT5	9	2N1050A USN2N1050A 2N1050B 2N1050C 107-343-4 386-1061P4 534767-6 1060460-4	♦ MT5 MT5 MT5 MT5 MT5 # MT5 MT5	2N1769 2N2020	MT11	2N2018 2N2021	MT11 MT11	2N2019	MT11
2N1051	TO29	5	2N734 2N1564 2N1572	TO18 TO5 TO5	2N696A	TO5	RT696AM	TO46		
2N1056		2			2N398A 2N2042	TO5 TO5	2N1186	TO5	2N1187	TO5
2N1068	TO8	9	2N2035 2N2036 PT600 PT612 PT613	TO8 TO37 TO8 TO8 TO8	2N1047 2N1047B 2N1048A 2N1048C 2N1886 STC1850	▼ MT5 MT5 MT5 MT5 MT11 TO37	2N1047A 2N1047C USN2N1048A 2N1647 2N2018	MT5 MT5 MT5 MT5 MT11 MT11	USN2N1047A 2N1048 2N1048B 2N1648 2N2019	MT5 MT5 MT5 MT11 MT11
2N1069	TO3	9	2N1488	MD6	2N1208 2N1616A 2N2016 AMP115 AMP117A STC1084 STC1552	▼ MT10 MT10 TO36 AMF105 TO3 AMF116 TO3 AMF118 TO3 STC1085 MT10	2N1212/I 2N1617A TO36 AMF106 TO3 AMF117 TO3 AMF118A TO3 STC1551 MT10	MT10 MT10 TO3 AMF106 TO3 AMF117 TO3 AMF118A TO3 STC1551 MT10	2N1512 2N1618A TO3 AMF106 TO3 AMF117 TO3 AMF118A TO3 STC1551 MT10	TO36 MT10 TO3 AMF106 TO3 AMF117 TO3 AMF118A TO3 STC1551 MT10
2N1073A	TO41	6	2N1073B 2N2289	▼ TO41 TO3	2N2423	TO3				
2N1073B	TO41	6	2N2290	TO3						
2N1074	TO5	5	2N619 2N756A 575-R680-HO1 447475 2088262-14 #	▼ TO5 TO18 TO11 OV1	2N1154 2N1156/953	▼ OV9 OV1	2N1155 TI480	▼ OV9 TO11	2N1156 TI481	▼ OV9 TO11
2N1076	TO5	5	2N739 USN2N1051	TO18 TO5	2N708A 2N2459 2N2518	TO18 TO46 TO46	2N739A 2N2463	TO18 TO18	2N1565 2N2509	TO5 TO18
2N1086		3	2N164A 2N168A 2N183 2N1086A 2N1087	▼ RO5 OV5	2N78 2N293 2N446	▼ OV5 OV5 TO5	2N169 2N365 2N1121	▼ OV5 OV9	2N169A 2N445 2N1312	OV5 TO5 TO9
2N1090	TO9	3	2N1091	▼ TO9	2N377 2N1102	▼ TO5 TO22	2N377A 2N1605A	TO5 TO5	2N634A 2N1808	TO5 TO5
2N1091	TO9	3			2N385 2N635A 2N1605A GT1325	▼ TO5 TO5 TO5 TO9	2N440A 2N1102 2N1808 8935905-1	▼ TO9 TO22 TO5 TO5	2N445A 2N1308 16T5D	▼ TO5 TO5 TO9
2N1099	TO36	6	2N2079 2N2079A 2N2080 2N2080A 1049301 #	TO36 TO36 TO36 TO36 TO6	2N1100	▼ TO36				
2N1100	TO36	6	2N1412 2N2075 2N2075A 2N2492 2N2493 7271744	▼ TO36 TO36 TO36 TO36 TO6	USN2N1412 965927-401	▼ MT2	CTP1500	▼ TO3	CTP3500	TO41
2N1102	TO22	3			2N214 2N635A	▼ TO22 TO5	2N377A 2N647	▼ TO5 TO1	2N385A	TO5
2N1116	TO5	5	JAN2N656 2N656A JAN2N657 2N657A 2N1117 2N1889 2N2087	▼ TO5 TO5 ♦ TO5 ▼ TO5 TO5 TO5 TO5	2N699 USN2N1893 2N2243A	▼ TO5 TO5 TO5	2N699A 2N1893 RT5004	TO5 TO5 TO5	2N699B 2N2243 SP8400	TO5 TO5 TO5

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♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

1A. TRANSISTOR REPLACEMENTS
 IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT						
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
2N1118	TO5	4	2N495 2N861 2N1118A 2N2377 112-463	▼ TO1 TO18 TO5 TO18 ▼ TO1							
2N1119	TO5	4	2N496 2N726 2N861 2N863 2N2378	▼ TO1 TO18 TO18 ▼ TO18							
2N1122	TO24	2	2N711A 2N710A 2N828 2N828A 2N960 2N961 2N962 2N980	TO18 TO18 TO18 TO18 TO18 TO18 TO18 TO18	2N537 2N710 1980409	TO29 TO18 ▼ TO9	2N705 2N1122A	▼ TO18 TO24	2N705A T1720	▼ TO18 TO24	
2N1122A	TO24	2	2N710A 2N711A 2N828 2N828A 2N960 2N980	TO18 TO18 TO18 TO18 TO18 TO18	2N537 2N710	TO29 TO18	2N705 2N1122	▼ TO18 TO24	2N705A 1980409	▼ TO18 TO9	
2N1123	TO31	2	723045-2	▼ TO31	2N1123	▼ TO31 TO5	2N1495 2N2097	TO9 TO31	2N1496 2N2100	TO31 TO9	
2N1124	RO2	2			2N527A 2N1379	TO5 TO5	2N600 ZA97600	▼ TO31 TO5	2N652A	▼ TO5	
2N1125	RO2	2			2N670 2N2001	▼ TO2 TO5	2N674 908181	▼ TO2 TO11	2N2000	TO5	
2N1128	RO2	2	2N569 2N655 2N1093 2N1188 2N2428 2N2429	▼ TO5	2N450 2N1193	▼ TO5 TO5	2N570 2N3000	TO5 TO5	USN2N652A 2243255	♦ TO5 TO5	
2N1131	TO5	4	2N721 2N1131A	TO18 TO5	2N722 2N1132B	TO18 TO5	2N1132 HA9532B	▼ TO5 TO18	2N1132A	TO5	
2N1132	TO5	4	2N722 USN2N1132 2N1132B	▼ TO5 TO5	2N1131 2N2303	▼ TO5	USN2N1131 HA9532B	TO5 TO18	2N1132A	TO5	
USN2N1132	♦	TO5	4	2N722 2N1132B	TO18 TO5	2N1131 2N2303	▼ TO5 TO5	USN2N1131 HA9532B	TO5 TO18	2N1132A	TO5
2N1136	TO3	6	2N1136A 2N1136B 2N1146A 2N1146B 2N1146C	▼ TO3 TO3 ▼ TO3 ▼ TO3	2N1147A 2N1540 2N1541A 2N1543 2N2293 2N2296	▼ TO41 TO3 TO3 TO3 TO3 TO41	2N1147B 2N1540A 2N1542A 2N2291 2N2294	▼ TO41 TO3 TO3 TO3 TO3 TO41	2N1147C 2N1541 2N1542A 2N2292 2N2295	TO41 TO3 TO3 TO3 TO3 TO41	
2N1136A	TO3	6	2N1136B 2N1146B 2N1146C 2N1147B 2N1147C	TO3 TO3 ▼ TO3 ▼ TO41 TO41	2N1542 2N2292 2N2296	TO3 TO3 TO41	2N1542A 2N2293	▼ TO3 TO3	2N1543 2N2295	TO3 TO41	
2N1137	TO3	6	2N1137A 2N1137B 2N1544 2N1544A 2N1545 2N1545A 2N1546	TO3 TO3 ▼ TO3 TO3 TO3 ▼ TO3	2N1546A 2N1548 2N2157 2N2158A	TO3 TO3 TO36 TO36	2N1547 2N2156 2N2157A 2N2159	▼ TO3 TO36 TO36 TO36	2N1547A 2N2156A 2N2158 2N2159A	TO3 TO36 TO36 TO36	
2N1138A	TO3	6			2N1146C 2N2159A	▼ TO3 TO36	2N1147C	TO41	2N2159	TO36	
2N1138B	TO3	6			No Replacement	Parts Available					
2N1142	TO5	2	2N1141 2N1195	▼ TO5 TO29	2N1143	TO5					

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

CAUTION: 1) REPLACEMENT TYPES FOR EMERGENCY USE ONLY.

2) EMERGENCY REPLACEMENT CHOICE MAY VARY WITH CIRCUIT; TRY SEVERAL OF THE RECOMMENDED TYPES TO DETERMINE BEST REPLACEMENT.

3) REPLACEMENT TYPE MAY NECESSITATE REALIGNMENT OF CIRCUIT.

4) SUBSTITUTE ORIGINAL TYPE NUMBER FOR EMERGENCY REPLACEMENT AS SOON AS POSSIBLE.

1A. TRANSISTOR REPLACEMENTS

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT					
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
2N1146	TO3	6	2N1146A 2N1146B 2N1146C 2N1147 2N1147A 2N1147B 2N1147C	▼ TO3 ▼ TO3 ▼ TO41 ▼ TO41 ▼ TO41 ▼ TO41 ▼ TO3	2N2212 2N2293 2N2296	▼ TO41 TO3 TO41 129499	2N2291 2N2294 129499	▼ TO3 TO41 TO3	2N2292 2N2295	TO3 TO41
2N1146A	TO3	6	2N1146B 2N1146C 2N1147A 2N1147B 2N1147C 129499	TO3 ▼ TO41 ▼ TO41 ▼ TO3	2N2212 2N2293 2N2296	▼ TO41 TO3 TO41	2N2291 2N2294	TO3 TO41	2N2292 2N2295	TO3 TO41
2N1146C	TO3	6	2N1147C	TO41	2N2154 2N2155A 2N2296	TO36 TO36 TO41	2N2154A 2N2212 129499	▼ TO41 TO3	2N2155 2N2293	TO36 TO3
2N1147A	TO41	6	2N1146A 2N1146B 2N1146C 2N1147B 2N1147C 129499	▼ TO3 ▼ TO3 ▼ TO41 ▼ TO3	2N2212 2N2293 2N2296	▼ TO41 TO3 TO41	2N2291 2N2294	TO3 TO41	2N2292 2N2295	TO3 TO41
2N1147B	TO41	6	2N1146B 2N1146C 2N1147C 129499	TO3 ▼ TO41 ▼ TO3	2N2212 2N2295	▼ TO41 TO41	2N2292 2N2296	TO3 TO41	2N2293	TO3
2N1149/903	OV9	5	2N117 2N332 2N1149 575-R463-H01 B94488 CDQ10001	▼ TO5 ▼ TO5 ▼ OV6 ▼ RO63	USN2N332 2N1276	TO5 TO5	2N1150 4C28	▼ OV9 TO5	2N1151	▼ OV9
2N1150	OV9	5	2N333A 2N757 2N757A CDQ10004	TO5 TO18 TO18 RO63	2N475 CDQ10021	TO5 RO63	2N2530	TO18	CDQ10003	RO63
2N1151	OV9	5	2N334A 2N754 2N755 2N842 2N912 CDQ10006	TO5 TO18 TO18 TO18 TO18 RO63	2N734 2N1572	TO18 TO5	2N1051 2N1975	▼ TO29 TO5	2N1564 NS478	TO5 TO46
2N1152	OV9	5	2N335A 2N335B 2N337A 2N745 ST45 CDQ10008 534767-10	▼ TO5 ▼ TO5 TO5 u2 ▼ RO63	2N758	TO18	2N758A	TO18	MT911	u13
2N1153	OV9	5	2N336A 2N338A 2N746 2N2534 CDQ10010	▼ TO5 TO5 u2 TO18 RO63	2N910 2N2433 MT910	TO18 TO46 u13	2N1973 2N2435	TO5 TO46	2N1983 2N2464	TO5 TO18
2N1154	OV9	5	2N342 2N1155 2N1156 2N1156/953 J319 TI951 447475	▼ TO9 ▼ TO9 ▼ OV1 ▼ OV9 ▼ OV9 ▼ OV1	2N245 2N342B 690TI-15 1979824	▼ TO11 TO11 TO11 TO11	JAN2N342 J70 412141-1 412141-1	▼ TO11 TO11 TO11	2N342A 690TI-3 1876673	▼ TO11 TO11
2N1155	OV9	5	2N245 2N342A 2N1156 2N1156/953 447475	▼ TO11 ▼ TO11 ▼ TO11 ▼ TO11	2N342 J319 412141-1 412141-1	▼ TO11 TO11 TO11	2N342B 690TI-3 1876673	▼ TO11 TO11	J70 TI951	▼ OV9 OV9
2N1156	OV9	5	2N1156/953 412141-1 549122 1876673	▼ OV1 ▼ TO11 ▼ OV9 ▼ TO11	J-66	▼ OV1	J143	▼ OV9		

CAUTION: 1) REPLACEMENT TYPES FOR EMERGENCY USE ONLY.

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— MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

- ALTERNATE PART No. - TECH. DATA LISTED FOR REFERENCED PART No.

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OF THE RECOMMENDED TYPES TO DETERMINE BEST REPLACEMENT

3) REPLACEMENT TYPE MAY NECESSITATE REALIGNMENT OF CIRCUIT.

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1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT					
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
2N1156/953	OV1	5	2N953 2N1156 412141-1 1876673	◻ OV7 ▼ OV9 ▼ TO11 ▼ TO11	J-66	▼ OV1	J143	▼ OV9	575-R680-H01	◻ T011
2N1159	TO3	6	2N375 2N1364 2N1538 2N2079 2N2079A	▼ TO3 ▼ TO3 TO3 TO36 TO36	2N1022 2N1358A	▼ TO3 TO36	2N1022A 2N1412	▼ TO3 TO36	2N1099 251M1	▼ T036 T036
2N1168	TO3	6	2N618 2N669 2N1360 2N1363 4096-3037	▼ TO3 ▼ TO3 TO3 TO3 ▼ TO3	CTP1520	▼				
2N1171	TO5	2	2N427	▼ TO5	2N518 2N1351	RO32	2N659 1618831-1	▼ TO5 ▼ T09	2N662 7733719-1	▼ T05 T09
2N1172	TO37	6	2N1611 723045-5 928201-5 1980408	# TO37 RO28 ▼ MT27	2N256 JAN2N665 2N1659 2N1757	▼ TO3 TO3 MT9 MS7	2N553 2N1326 2N1755 2N1758	▼ MD1 TO10 MS7 MS7	2N665 2N1658 MT19 CST1789	▼ T03 T03 MS7 MS7
2N1173	TO29	3			2N35 2N366 ▼ OV9	▼ TO22	2N213	▼ TO22	2N228	▼ T022
2N1174	TO29	2	2N1377	▼ TO5	2N192	▼ RO32	USN2N651A	TO5	2243255	▼ T05
2N1182	TO3	6	2N1227 2N2140 2N2140A 2N2141 2N2141A CTP1730	TO3 TO3 TO3 TO3 TO3 ▼ MS7	2N1971	MD1				
2N1183	TO8	6	2N1183A 2N1183B 2N1184 2N1184A 2N1184B TR1	TO8 TO8 TO8 TO8 TO8 ▼ TO8	2N1755 2N1758 CK313 CK412	MS7 MS7 MM3 MT12	2N1756 CK311 CK314 CK413	MS7 MM3 CK411 MT12	2N1757 CK312 CK411 CK414	MS7 MM3 MT12 MT12
2N1188	TO5	2	2N655 2N652 2243255	▼ TO5 ▼ TO5	2N1187	TO5	2N1955	TO5	2N2374	T05
2N1191	TO5	2	2N190 2N653 2N1186 2N1383 2N1414	RO32 TO5 TO5 TO9 ▼ TO5	2N43 2N525	▼ RO32 TO5	2N43A 2N1924	▼ RO32 TO5	2N461	▼ T05
2N1192	TO5	2	2N527 2N645 2N651 2N1175 2N1175A 2N1187	▼ TO5 ▼ TO9 ▼ TO5 TO5 TO5 TO5	2N651A	TO5	2N1926	TO5		
2N1195	TO29	2	2N1141 2N1142 2N1143	▼ TO5 ▼ TO5 TO5						
2N1199	TO9	5	2N707A 2N715	TO18 TO18	2N706A	▼ TO18 u13	2N1387	TO5	MT706	u13
2N1203	TO10	6			USN2N1412 2N2528	TO36 TO3	2N2526 B1151B	TO3 TO3	2N2527	TO3
2N1204	TO9	2	2N1204A 2N1494 2N2096 2N2099	TO9 TO31 TO31 TO9	2N1494A XT100	u1 TO9	2N2097	TO31	2N2100	TO9
2N1208	MT10	9	2N1208/I 2N1250/I 2N1616A 2N1617A 2N1618A	MT10 MS3 MT10 MT10 MT10	USN2N389	♦ MS3	USN2N424	▼ MS3	2N2101	MT10
2N1212	MT10	9	2N389 2N389/I 2N424/I 2N424A/I 2N1212/I 2N1250/I	MS3 MS3 MS3 MS3 MT10 MS3	2N424 2N1618A 2N2383 STC1552	▼ MS3 MT10 MS3 MT10	2N1616A 2N1894 2N2384	MT10 MT16 MT10	2N1617A 2N1895 STC1551	MT10 MT16 MT10

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1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT							
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.		
2N1213		2	2N1214 2N1215 2N1216									
2N1219	T05	4			2N328A HA7631	T05 T05	2N1220 HA7730	T05 X3	HA7630 HA7731	T05 X3		
2N1224	T033	2	2N247 2N274 2N384 2N1023 2N1066 2N1225 2N1226 ST103 352-0243-00 A5907	▼ TO44 TO44 TO44 TO44 TO33 TO33 TO33 TO5 #	2N1395	T033	2N1396	T033	2N1397	T033		
USA2N1225	♦	T05	2	2N384 2N1397 2N2188 2N2190	▼ TO44 TO33 RO44 RO44	2N247 2N1023 2N1226	▼ TO44 TO33 TO33	2N274 2N1066 2N1395	▼ TO44 TO33 TO33	2N384/33 2N1224 2N1396	T033 ▼ TO33	
2N1226	T033	2			2N274 2N1224 2N2207	▼ TO44 TO33 TO7	2N384 USA2N1224 2N2512	▼ TO44 TO5 TO33	JAN2N384 2N2190	▼ TO44 RO44		
2N1229	T05	4	2N1231 2N1233 723025-11	▼ TO5 TO5 #	2N1239 2N1442 2N2391	X3 TO5 TO50	2N1243 2N1443 HA7633	▼ X3 TO5 TO5	2N1241 2N2174	▼ X3		
2N1231	T05	4	2N1233 2562-44193	▼ #	2N1241 HA7633	▼ TO5	X3 TO5	2N1243 HA7733	▼ X3 X3	2N2174		
2N1233	T05	4	900201-84	#	2N1243 HA7733	▼ X3	X3 BCY11		RO8	HA7633	T05	
2N1234	T05	4	USA2N1234	▼♦	2N1244 HA7517	▼ X3	2N2551 HA7540		TO5 TO5	HA7515 HA7542	X3 TO5	
USA2N1234	♦	T05	4	2N1234	▼	TO5	2N1244 HA7517	▼ X3	TO5 TO5	HA7515 HA7542	X3 TO5	
2N1241	X3	4	2N1243	▼	X3 2N1231 HA7733	▼ TO5 X3	2N1233	▼ TO5	2N1233	▼ TO5		
2N1242	X3	4	2N1244	▼	X3 2N1230 HA7731	▼ TO5 X3	2N1243	▼ X3	HA7633	T05		
2N1243	X3	4	2N1243 900201-78	▼ #	X3 2N1233 HA7731	▼ TO5	BCY11		RO8	HA7633	T05	
2N1244	X3	4	723025-10	#	2N1234 HA7517	▼ TO5	2N2551 HA7540		TO5 TO5	HA7515 HA7542	X3 TO5	
2N1250		9	2N1210 2N1210/I 2N1211 2N1211/I 2N1470 2N1616 2N1616/I 2N1657	MS2 MS3 MS2 MS3 TO3 MT10 MT10 MS3	2N1487 2N1512 2N1618 2N1620/I	MD6 TO36 TO5 ▼ MT10 MS3	2N1488 2N1617 2N1618/I		MD6 MT10 MT10	2N1511 2N1617/I 2N1620	▼ TO36 MT10 MS2	
2N1252	T05	5	2N696 2N719A 2N1253 2N1958 2N2195 2N2195A 2N2220 1655229	▼ TO18 ▼ TO5 TO5 TO5 TO5 TO18 #	2N560 2N2194A PMT213	▼ TO29 TO5 TO51 RT483	2N1409A 2N2217		TO5 TO5 TO5	2N2194 2N2476	T05 T05	
2N1253	T05	5	2N1958 2N2195 2N2195A 2N2476 PMT213 RT483	TO5 TO5 TO5 TO5 TO51 TO5	2N1409A 2N2217	TO5 TO5	2N2194		TO5	2N2194A	T05	
2N1254	T05	4	2N1256 2N1258	TO5 TO5	HA9058	TO18						
2N1263	T010	6	2N540 2N540A H5E3 928201-3	▼ ▼ ▼ ▼	TO10 TO10 TO10 TO10 1979813	TO3 TO3 TO3 TO3 ▼ MT7	2N418 2N1542A 2N2148 2N2293	▼ TO3 TO3 TO3 TO3	2N420 2N1542A 2N2212 2N2295	▼ TO3 ▼ TO41 TO41	2N420A 2N1543 2N2292 2N2296	TO3 TO3 TO3 TO41

CAUTION: 1) REPLACEMENT TYPES FOR EMERGENCY USE ONLY.

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▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

1A. TRANSISTOR REPLACEMENTS
IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT									
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.				
2N1275	T05	4	2N1655 723025-13	#	T05	576-R047-H01	✓	T05	HA7540	T05				
2N1284	T05	2	2N1008 2N1008A 2N1008B 2N1307 USN2N1307 GT123	▼ ▼ ▼ ▼ ▼	T05 T05 T05 T05 T05	2N396A USN2N651A	▼	T05 T05	USN2N396A 2N1347	T05 T05				
2N1285	T033	2	2N247 2N274 2N384 2N1224 2N1226 ST103	▼ ▼ ▼ ▼ ▼ ▼	T044 T044 T033 T033 T05	2N1023 2N1395	T044 T033	2N1066 2N1396	T033 T033	2N1225 2N1397	T033 T033			
2N1289	T05	3	723001-5	#		2N440A 16T5D	▼	T09 T09	2N1114 ST205	T05 T05	2N1306	▼	T05	
2N1301	T05	2	2N1300 2N1683 B401-465-1 # 741-465-1 # 723005-9	▼ ▼ ▼ # # #	T05 T05	2N846B 2N965 2N972 2N1384	▼ ▼ ▼ T011	T018 T018 T018 T011	2N964 2N966 2N973	T018 T018 T018	2N964A 2N967 2N974	T018 T018 T018		
USN2N1302	T05	3	2N1302 2N1993 723001-7	▼	T05 T05 T09	2N444A 2N634A	▼	T05 T05	2N556 2N1090	T05 T09	2N585 2N1304	▼	T09 T05	
USN2N1303	T05	2	723005-10	▼	T05	2N505 202-333	▼	T05	2N537 1980409	T029 TQ9	2N1195	▼	T029	
USN2N1304	T05	3	2N634A 2N1304 2N1993 107-279	▼	T05 T05 T05 T05	2N635A 2N1808	▼	T05 T05	USN2N1302 2N2085	T05 T05	USN2N1306	▼	T05 T09	
USN2N1305	T05	2	2N394A 2N1305 2N1355 2N1356 2N1357 2N1681	▼	T05 T05 T05 T05 T05 T05	2N394 2N1347	T05 T05	2N518 2N1354	RO32 T05	2N650A		T05		
2N1306	T05	3	2N635A USN2N1306 16T5D	▼	T05 T05 T09	2N445A USN2N1308	▼	T05 T05	2N1114 2N1993	T05 T05	2N1308 2N2085		T05 T05	
USN2N1306	T05	3	2N635A 16T5D	▼	T05 T09	2N445A 2N1308	▼	T05 T05	2N1114 USN2N1308	▼	USN2N1304	▼	T05 T05	
USN2N1307	T05	2	2N428A USN2N651A 2N1307	▼	T05 T05 T05	2N396A USN2N1309	▼	T05 T05	USN2N396A 2N1706	T05 T05	2N1309 2N1707		T05 T05	
USN2N1308	♦	T05	3	USN2N1308	▼	T05	2N445A 2N1091 16T5D	▼ ▼ ▼	T05 T09 T09	2N635A 2N1306 GT1325	▼ ▼ ▼	2N636A USN2N1306	▼	T05 T05
USN2N1309	♦	T05	2	2N1309		T05	2N1124 2N2171	▼	RO2 T05	2N1925	T05	2N2048		T09
2N1310	T09	3	386-10003P1	#		2N1311	▼	T09	2N1622	▼	T05			
2N1311	T09	3	2N1310	▼	T09	2N1510	OVS	2N1622	▼	T05				
2N1313	T05	2	2N417	▼	T05	2N450 USN2N1309	▼	T05 T05	2N1093		2N1309		T05	
2N1316	T05	2	2N396 2N1350 2N1357	▼	T05	2N382 USN2N396A	▼	T05 T05	2N383 2N1348	T05	2N396A 2N1349	▼	T05	
2N1319	T05	2	2N317 2N317A 2N579	▼	T05 T05 T09	2N316A 2N1204A	▼	T05 T09	2N580 2N1384	T09 T11	2N1204 XT100	▼	T09 T09	
2N1330	T013	7	2N1323 2N1325		T010 T010	2N1294	T03	2N1296	T03					
2N1335	T016	5	2N1336 2N1337 2N1339 2N1341		T05 T05 T05 T05	2N342A 2N1893A 1876673	▼	T011 T05 T011	2N1340 J66	▼	2N1342 412141-1	▼	T05 T011	
2N1358	T036	6	2N1099 2N1100 2N1358A 2N1412 7271744	▼ ▼ ▼ ▼ ▼	T036 T036 T036 T036 T06	2N2075 2N2076A	T036 T036	2N2075A 2N2077	T036 T036	2N2076 2N2077A		T036 T036		

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1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT					
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
JAN2N1358M ♦	TO36	6	2N1099 2N2490 2N2492 2N2493 7271744	▼ TO36 TO36 TO36 TO36 TO6	2N457A 2N458B 2N1022 CTP1500	▼ TO3 TO3 TO3 TO3	2N457B 2N1021 2N1022A 965927-401	▼ TO3 TO3 TO3 MT2	2N458A 2N1021A 251M1	▼ TO3 TO3 TO36
2N1364	TO3	6	2N375 2N1159 2N1538	▼ TO3 TO3	2N174A 2N2079 2N2080A	▼ TO36 TO36 TO36	2N1022 2N2079A 251M1	▼ TO3 TO36 TO36	2N1099 2N2080	▼ TO36 TO36
2N1365	TO3	6	2N1538	TO3	2N174A 2N1099 2N2079A 251M1	▼ TO36 TO36 TO36 TO36	2N375 2N1159 2N2080	▼ TO3 TO3 TO36	2N1022 2N2079 2N2080A	▼ TO3 TO36 TO36
2N1372	TO5	2	2N363 2N465 2N525 USN2N650A 2N1186	▼ TO5 TO5 TO5 TO5	2N43 2N1924	RO32 TO5	2N43A	▼ RO32	2N1373	TO5
2N1374	TO5	2	2N527 2N1375 2N1926	▼ TO5 TO5	2N651 2N1175A 2N1376	▼ TO5 TO5	2N654 2N1187 2N1377	▼ TO5 TO5	2N1175 2N1192	▼ TO5 TO5
2N1377	TO5	2			2N369 2N1926	▼ TO5	OV9 2N522 2N2375	▼ TO5 TO5	2N527 KGS1003	▼ TO5
2N1382	TO5	2	2N109 2N217 2N1370 2N1371	▼ TO40 TO1 TO9 TO9	2N241A 2N660 2N1997	▼ RO32 TO5 TO5	2N597 2N1123	▼ TO9 TO31	2N633 2N1478	TO5 TO9
2N1405	TO12	2	2N700 2N700A 2N2363	▼ TO17 TO17 RO38						
2N1406	TO12	2	2N700 2N700A 2N1405 2N1407 2N2363	▼ TO17 TO17 TO12 TO12 RO38						
2N1407	TO12	2	2N700 2N700A 2N1405 2N1406 2N2363 412728-3	▼ TO17 TO17 TO12 TO12 RO38						
2N1412	TO36	6	2N1100 2N2075 2N2075A 2N2492 2N2493 7271744	▼ TO36 TO36 TO36 TO36 TO36 TO6	USN2N1412 965927-401	▼ TO36 MT2	CTP1500	▼ TO3	CTP3500	TO41
2N1414	TO5	2	2N363 2N465 2N525 2N650 2N650A 2N1186	▼ TO5 TO5 TO5 TO5 TO5	2N43 2N1373	RO32 TO5	2N43A 2N1924	▼ RO32 TO5	2N237	
2N1420	TO5	5	2N2192 2N2192A 2N2219	TO5 TO5 TO5	2N1711 2N2538	▼ TO5 TO5	2N1890	TO5	2N2390	TO50
2N1428	TO1	4	2N1429 T1282	▼ TO1	2N859 2N864 2N1118A	TO18 TO18 TO5	2N861 2N865 2N1677	TO18 TO18 TO5	2N863 2N1118 112-463	▼ TO5 TO1
2N1441	TO5	4			2N981		1303601-1	▼ TO9	723025-18	▼ TO5
2N1442	TO5	4			2N330A HA7517 HA7599	TO5 X3 X3	2N936 HA7541 HA7736	TO18 TO5 X3	HA7516 HA7542	X3 TO5
2N1469	TO5	4	2N940 JAN2N1469M	TO18 TO5	2N1259 HA9058	TO5 TO18	2N1443 HA9059	TO5 TO18	2N1475	TO5

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AS SOON AS POSSIBLE

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— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT					
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
2N1481	TO5	9	2N1482 2N1485 2N1486 2N1768 2N1769 2N1841 1980407-1	▼ TO8 ▼ TO8 ▼ TO38 MT13 ▼	2N1479 2N2041 2N2634 MHT4418	TO5 TO5 MT24 TO5	2N2020 2N2632 MHT4412	MT11 MT24 TO5	2N2021 2N2633 MHT4415	MT11 MT24 TO5
2N1482	TO5	9	2N1485 2N1486 2N1769 2N2020 2N2021 1980407-1	▼ TO8 ▼ MT11 MT11 ▼ MT13	2N1480 2N2633 MHT4418	TO5 MT24 TO5	2N2041 2N2634 MHT6014	TO5 MT24 MT24	2N2632 MHT4415	MT24 TO5
2N1484	TO8	9	2N1486 2N1691 2N2018 2N2019 2N2308	▼ MT5 MT11 MT11	2N1715	TO5				
2N1485	TO8	9	2N1486	▼ TO8	2N1049 2N1049B 2N1050A 2N1050C 2N2020 2N2633 1060460-4	▼ MT5 MT5 MT5 MT5 MT11 MT24 MT5 ▼	2N1049A 2N1049C USN2N1050A 2N1483 2N2021 2N2634 MHT6014	MT5 MT5 MT5 TO8 MT11 MT24 MT24	USN2N1049A 2N1050 2N1050B 2N1650 2N2632 107-343-4 ▼	MT5 MT5 MT5 MT11 MT24 MT24 MT5
2N1486	TO8	9	2N1484 75-269-001	▼ ▼	2N1050 2N1050B 2N2020 107-343-4	▼ TO8 ▼ MT5 ▼	2N1050A 2N1050C MT11 MT5 1060460-4	MT5 MT5 MT24 MT5 ▼	USN2N1050A 2N2021 2N2634	MT5 MT11 MT24
2N1490	MD6	9	2N1675 2N2383 2N2384 STC1024 900201-129	▼ MS3 MS3 MS3 ▼	TO32 2N1488 MS3 2N1722/I MT10	MD6 2N1512 MS3 2N1724/I		TO36 MT10	2N1514	TO36
2N1499A	TO9	2	2N979	TO18	2N846	TO18	2N846A	TO18	2N1754	TO9
2N1500	TO9	2	2N501 2N984 2N1500/18 2N2170	▼ TO18 TO18 TO9	2N829 2N2169	TO18 TO9	2N964A	TO18	2N983	TO18
2N1502	TO10	6	2N1501 2N2266 2N2267 H6A 632246-2	▼ TO10 TO10 TO10 TO10 ▼	2N538 2N637B 2N2527	▼ TO10 TO3 TO3	2N538A 2N1261 2N2528	TO10 TO10 TO3	2N637A 2N2526	TO3 TO3
2N1504	MT12	6	2N1504/10 LT5043	▼ TO10	2N158 2N1438 CK258 CK313 CK413	▼ TO10 TO10 TO12 TO12	2N158A 2N1465 CK311 MM3 CK412	MM3 TO13 MM3 MM3 MT12	2N1437 2N1466 CK312 CK412 CK415	TO13 TO10 MM3 MT12 MT12
2N1516/OC170#			see 213-3							
2N1530	TO3	6	2N1530A 2N1531 2N1531A 2N1532 2N1532A 2N1533	TO3 TO3 TO3 TO3 TO3 TO3	2N1160 2N2289 965927-401	▼ TO3 MT2	JAN2N1358M 2N2290	TO36 TO3	2N2288 H10G2	TO3 MT7
2N1537	TO3	6	2N375 2N1021A 2N1022 2N1022A 2N1537A 2N1538	▼ TO3 ▼ TO3 TO3 TO3	2N174 2N1159 2N2080	▼ TO3 TO36	2N1021 2N2079 2N2080A	TO3 TO36 TO36	2N1099 2N2079A 251M1	TO36 TO36 TO36
2N1542A	TO3	6	2N1136A 2N1136B 2N1542 2N1543	▼ TO3 TO3 TO3 TO3	2N1982 2N2293	TO36 TO3	2N2212 2N2295	TO41 TO41	2N2292 2N2296	TO3 TO41

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IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT						
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2N1544	TO3	6	2N1544A 2N1545 2N1545A 2N1546 2N1546A 2N1547 2N1547A	TO3 TO3 TO3 ▼ TO3 TO3 ▼ TO3 ▼ TO3	2N1137 2N1548 2N2157 2N2158A	▼ TO3 TO3 TO36 TO36	2N1137A 2N2156 2N2157A 2N2159	TO3 TO36 TO36 TO36	2N1137B 2N2156A 2N2158 2N2159A	TO3 TO36 TO36 TO36	
2N1546	TO3	6	2N1544 2N1544A 2N1545 2N1545A 2N1546A 2N1547 2N1547A	▼ TO3 TO3 TO3 TO3 TO3 ▼ TO3 ▼ TO3	2N1137A 2N2157 2N2158A	TO3 TO36 TO36	2N1137B 2N2157A 2N2159	TO3 TO36 TO36	2N1548 2N2158 2N2159A	TO3 TO36 TO36	
2N1547	TO3	6	2N1544 2N1544A 2N1545 2N1545A 2N1546 2N1546A 2N1547A 2N1548	▼ TO3 TO3 TO3 TO3 ▼ TO3 TO3 ▼ TO3 TO3	2N1137A 2N2158A	TO3 TO36	2N1137B 2N2159	TO3 TO36	2N2158 2N2159A	TO36 TO36	
2N1547A	TO3	6	2N1543 2N1544 2N1544A 2N1545 2N1545A	TO3 ▼ TO3 TO3 TO3 TO3	2N1137A 2N1546A 2N2158 TO36 2N2159A	TO3 TO3 TO36 TO36	2N1137B 2N1547A 2N2158A	▼ TO3 TO3 TO36	2N1546 2N1548 2N2159	TO3 TO3 TO36	
2N1555	TO3	6	2N1555A 2N1556 2N1556A	TO3 TO3 TO3	2N1651 2N2285 ST111	TO41 TO3 TO36	2N1652 2N2286 CYT1555	TO41 TO3 TO41	2N1653 ST110 CYT1556	TO41 TO36 TO41	
2N1556	□	TO3	6	2N1556 2N1556A	TO3 TO3	2N677B 2N1031C	▼ TO3 TO41	2N677C	▼ TO3	2N1031B	TO41
2N1558A	□	MD3	6	352-0303-00 #		2N1030B 2N1032C 2N1559 2N1560A	MD16 TO41 TO3 TO3	2N1030C 2N1558 2N1559A	MD16 TO3 TO3	2N1032B 2N1558A 2N1560	TO41 TO3 TO3
2N1574	TO5	5	2N1566A 2N2439	TO5 TO46	2N740 2N1973 2N2440	TO18 TO5 TO5	2N740A 2N2434	TO18 TO46	2N1573 2N2436	TO5 TO46	
2N1592	OV9	5	2N543A 2N1593 2N1594 2N2532 575-R463-H05 928101-11	▼ TO5 OV9 OV9 TO18 TO5 ▼ TO5	2N541 TMT841 CDQ10027	TO5 u5 RO63	2N542 CDQ10025 928110-2	▼ TO5 TO5	2N543 CDQ10026	▼ TO5 RO63	
2N1593	OV9	5	2N543A 2N1594 2N2532 575-R463-H05 928101-11 928110-2	TO5 OV9 TO18 TO5 ▼ TO5 TO5	2N542 CDQ10026	TO5 RO63	2N543 CDQ10027	▼ TO5 TO5	TMT841 u5		
2N1612	TO37	6	2N1760	MS7	2N353 2N1762	▼ TO27 MS7	2N1610 ST113	▼ TO37 MS7	2N1761	MS7	
2N1613	TO5	5	2N699A 2N2193 2N2193A 2N2243 2N2243A	TO5 TO5 TO5 TO5 TO5	USN2N1613 2N2478	▼ TO5 TO5	2N2380 2N2479	TO5 TO5	2N2380A	TO5	
USN2N1613	♦	TO5	5	2N1893 USN2N1893 2N2193 2N2193A 2N2243	▼♦ TO5 TO5 TO5 TO5	2N699A 2N2218	TO5 TO5	2N1613 2N2243A	▼ TO5 TO5	2N1889 2N2297	TO5 TO5
2N1618	MT10	9	2N424A 2N424/I 2N424A/I 2N1211 2N1618/I 2N1620 2N1620/I	MS3 MS3 MS3 MS2 MT10 ▼ MS2 MS3	USN2N424 2N1618A STC1552	▼♦ MS3 MT10 MT10	2N1616A 2N1895	MT10 MT16	2N1617A STC1082	MT10 TO3	

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1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

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2N1620	MS2	9	2N424A 2N424/I 2N424A/I 2N1211 2N1618 2N1618/I 2N1620/I	MS3 MS3 MS3 MS2 MT10 MT10 MS3	USN2N424 2N1618A STC1552	▼♦	MS3 MT10 MT10	2N1616A 2N1895	MT10 MT16	2N1617A STC1082	MT10 TO3
2N1622	TO5	3			USN2N1310	♦	TO5				
2N1645	TO38	6	2N143 2N1183 2N1183A 2N1183B GF40022	▼ ▼ T08 T08 #	MM2 2851Q	▼	TO3				
2N1650	MT11	9	2N2018 2N2019 2N2020 2N2021	MT11 MT11 MT11 MT11	2N1049 2N1049B 2N1050A 2N1050C	▼	MT5 MT5 MT5 MT5	2N1049A 2N1049C USN2N1050A 107-343-4	MT5 MT5 MT5 MT5	USN2N1049A 2N1050 2N1050B 1060460-4	MT5 MT5 MT5 MT5
2N1660	MS3	9	2N1661 2N1662	▼ MS3	2N1896 2N2404	MT16 T05	2N1897	MT16	2N1898	MT16	MT16
2N1661	MS3	9	2N1662	MS3	2N1897		MT16	2N1898	MT16		
2N1671	RO33	11	2N1671A 2N1671B	▼ RO33 RO33	2N490 2N490B 2N492A	▼	RO33 RO33 RO33	USAF2N490 2N492 2N492B	TO5 RO33 RO33	2N490A USAF2N492	RO33 T05
2N1671A	RO33	11	2N1671 2N1671B	▼ RO33 RO33	2N490 2N490B 2N492A	▼	RO33 RO33 RO33	USAF2N490 2N492 2N492B	TO5 RO33 RO33	2N490A USAF2N492	RO33 T05
2N1711	TO5	5	2N1890	TO5	2N1420A 2N2538	TO5	2N1420A T05	2N2192A	TO5	2N2219	TO5
2N1722	MS3	9			2N1722/I 152-08		MS3 MT1	2N1724 152-09	MT10 MT1	2N1724/I 152-10	MT10 MT1
2N1744	TO9	2	2N113 2N271 2N271A 2N1743	▼ OV4	2N1742 GA53213	▼	TO9	2N1678	TO9	ST103	▼ TO5
USN2N1893	♦	TO5	5	2N699 2N1893 2N2243 2N2243A SP8400	▼ TO5 TO5 TO5 TO5	TO5	2N699A	TO5	2N1889	TO5	FT4205 ▼ TO5
2N2212	TO41	6	2N2290 2N2293 2N2296	TO3 TO3 TO41	2N2287		TO3	2N2359	TO41	B-1181	TO3
2N3364	#		see 928110-2								
2W332	#		see 575-R463-H01								
2W333	#		see 575-R463-H02								
2W335	#		see 575-R463-H04								
2W336	#		see 575-R463-H05								
2W338	TO5	5	2N843 2N2459 2016785-1 2206323	TO18 TO46 ▼♦ TO5 ▼♦ TO5	2N735A 2N2463		TO18 TO18	2N739A RT697AM	TO18 TO46	2N762 TMT843	TO18 u5
2W341	TO11	5	USN2N341M 575-R680-H01 1876673 2016482-1	♦ TO11 ▼♦ TO11	2N738 2N1572		TO18 TO5	2N1150 J66	▼♦ OV9 OV1	2N1207	TO5
2W498	#		see 575R396H02								
2W549/B	#		see 575R523-H02								
2W550B	□		575-R523-H02	▼♦	2N698A RT5003		TO5	2N719A	TO18	2N2239	TO37
DEPO3	#		see 8935903-1								
DEPO3A	#		see 8935903-2								
3N34	TO42	11	3N35 USA3N35	▼ TO42	3N56		TO5	3N57	TO5		
3N35	TO42	11	USA3N35	▼	TO42	3N34	▼	TO42	3N56	TO5	3N57
USA3N35	TO42	11	3N35	▼	TO42	3N34	▼	TO42	3N56	TO5	3N57
3N48	TO15	6	3N46	TO15	3N45 3N52		TO15	3N49	TO36	3N50	TO36
3N51	TO36	6	3N49 3N50 3N52	TO36 TO36 TO36	3N45 3N48	▼	TO15	3N46	TO15	3N47	TO15

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NAVWEPS 16-1-530

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IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.			
DEP04 #			see 8935904-1										
DT4-17	✓	MM3	6	2N158 2N158A 2N1504 2N1504/10 DT4-18 352-0041 LT5043	▼ ▼ ▼ ▼ ▼ # ▼	MM3 MM3 MT12 TO10 MT12 CK415	2N1437 2N1466 CK312 CK412 CK415	TO13 TO10 TO10 MT12	2N1438 CK258 MM3 MT12	TO10 MT12 MM3 MT12	2N1465 CK311 CK314 CK414	TO13 MM3 MM3 MT12	
DT4-18	✓	MT12	6	2N158 2N158A 2N1504 2N1504/10 DT4-17 LT5043	▼ ▼ ▼ ▼ ▼ ▼	MM3 MM3 MT12 TO10 MM3	2N1437 2N1466 CK312 CK412 CK415	TO13 TO10 MM3 MT12	2N1438 CK258 CK313 CK413	TO10 MT12 MM3 MT12	2N1465 CK311 CK314 CK414	TO13 MM3 MM3 MT12	
H4A-2		TO10	6	2N1530 2N1530A 2N1531 2N1531A 2N1532 2N1532A	▼	TO3 TO3 TO3 TO3 TO3	2N638 2N1533	TO3 TO3	2N638A B1151A	TO3 TO3	2N638B B1151B	TO3 TO3	
H4AS1	✓	TO10	6	see 624478		No	Replacement	Parts	Available				
4JD1A17 #				see 624478									
4JD1A33			2	2N45 GT34HV 911557-502	▼ ▼ ▼ ✓	RO32	2N44 2N464	RO32 TO5	2N110 2N524	OV2 TO5	2N460	▼	TO5
4JD1A73			2	2N112 2N112A 2N405 2N406 2N413 2N425	OV4 TO44 CA53213	▼	2N403 TR-C70	TO5 TO5	2N426 GT1331	▼	2N613 SYL1697		TO5
4JD1E30 #				see 911557-502									
4JX2A593			5	2N245 2N342B ST4341 604442-3 628253	▼ ▼ ▼ ▼ ▼	TO11 TO11 T05 T05 T05	2N1206 CDQ10014	TO5 RO63	2N1207 CDQ10037	TO5 RO63	2N1700 1876673	▼	TO5 TO11
4JX2A806A #				see N2088265-2									
4JX2A832 #				see N2088265-3									
4JX10B542 #				see 3068333									
H5 #				see 1776461-2									
DEPO5 #				see 8935905-1									
05-990110	MT1	9	2N1015D 2N1015E 2N2580 STC1015D WX1015D 2031039	▼ ▼ ▼ ▼ ▼ ▼	MT1 MT1 TO36 MT1 MT1 MT3	2N1016D STC1016D	▼	MT1 MT1	USA2N1016DM	MT1	2N1016E		MT1
DEPO5A #				see 8935905-2									
DEPO5B #				see 8935905-3									
H5B7XOM #				see 928201-3									
H5E2		TO10	6	2N539 2N539A H6A	▼ ▼ ▼	TO10 TO10 TO10	2N637A 2N1203 2N2267	▼ ▼ TO10	2N637B 2N1538	▼ TO3 TO10	2N1159 2N2266	▼	TO3 TO10
H5E3		TO10	6	2N540 2N540A 2N1202 2N2212 928201-3 1979813	▼ ▼ ▼ ▼ ▼ ▼	TO10 TO10 TO10 TO41 TO10 MT7	2N418 2N2292 2N2296	TO3 TO3 TO41 TO10	2N420A 2N2293	TO3 TO3	2N1543 2N2295		TO3 TO41
H5G1 #				see 16T9									
H5G2	✓	TO10	6	CTP1736	▼	MS7	2N618 2N1906 4096-3037	▼ TO3 ▼	2N1137A 386-1065P1#	TO3 TO3	2N1137B CTP1520	▼	TO3
KH5G1 #				see 16T9									
H5K1F6Q		TO10	6	2N2145 2N2145A 2N2146 2N2146A 900232-1	▼ ▼ ▼ ▼ #	TO3 TO3 TO3 TO3							
DEPO6 #				see 8935906-1									

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▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

✓ - MECHANICAL AND ENVIRONMENTAL TEST.

♦ - PREFERRED TYPE - MIL-STD 701

- ALTERNATE PART No. - TECH. DATA LISTED FOR REFERENCED PART No.

1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.			
H6	TO10	6	2N539 2N637A 2N637B 2N1159 H5E2 H6A	▼ ▼ ▼ ▼ ▼ ▼	TO10 TO3 TO3 TO3 TO10 TO10	2N539A 2N1203 2N2267	▼ ▼ ▼	TO10 TO10 TO10	JAN2N539M 2N1538	▼ TO10 TO3	JAN2N539AM 2N2266	▼ TO10 TO10	
H6A	TO10	6	2N539 2N539A 2N637A 2N637B 2N1159 H5E2	▼ ▼ ▼ ▼ ▼ ▼	TO10 TO10 TO3 TO3 TO3 TO10	2N1203 2N2267	▼	TO10 TO10	2N1538	TO3	2N2266	TO10	
DEP07	#		see 8935907-1										
DEP08	#		see 8935908-1										
DEP08A	#		see 8935908-2										
DEP10	#		see 8935910-1										
DEP10A	#		see 8935910-2										
H10C1B	#		see 1978820										
H10G2	□	MT7	6	2N2423 386-1066P1	TO3 #	2N1160 2N1531 2N1532A	TO3 TO3 TO3	2N1530 2N1531A 2N1533	▼	TO3 TO3 TO3	2N1530A 2N1532	TO3 TO3	
DEP11	#		see 8935911-1										
11-980-00-041#			see J311										
DEP11A	#		see 8935911-2										
DEP12	#		see 8935912-1										
DEP13	#		see 8935913										
DEP14	#		see 8935914										
DEP15	#		see 8935915-1										
DEP15A	#		see 8935915-2										
DEP15B	#		see 8935915-3										
R-MD-0016-01#			see 910520										
16T2	#		see 16T2B, 16T2C										
16T2B	MM3	6	2N235B 2N553 2N665 JAN2N665 USN2N1046 16T2 B-178	TO3 ▼ TO3 ▼ ▼ ♦ # TO3	2N1202 TS798	▼ □	TO10 MD1	2N1227	TO3	16T2C	▼	MM3	
16T2C	MM3	6	2N235B 2N553 2N665 JAN2N665 USN2N1046 2N1202 16T2 B-178	TO3 ▼ TO3 ▼ ▼ ♦ MD1 TO10 # TO3	2N1227	TO3	16T2B	▼	MM3	TS798	▼	MD1	
16T5B	TO5	5	USN2N338 2N2242 16T36 TI494 J5001 2016785-1 2206323	▼♦ TO5 # TO5 # ▼ □ TO5 ▼ □ TO5	TO5 TO18 2N2509	TO18 TO18	2N784A 2N2509	TO18 TO18	2N908	u10	2N913	TO18	
16T5BMP Pair	TO5	5	USN2N338 2N2242 16T36MP TI494 2016785-1 2206323	▼♦ TO5 # TO5 # ▼ □ TO5 ▼ □ TO5	TO5 TO18 2N2509	TO18 TO18	2N784A 2N2509	TO18 TO18	2N908	u10	2N913	TO18	
16T-5D	TO9	3	2N635A 2N1306 USN2N1306 16T33	▼ ▼ ▼ #	TO5 TO5 TO5	TO5 TO5 TO5	2N445A USN2N1308	▼ ▼	TO5 TO5	2N1114 2N1993	TO5 TO5	2N1308 2N2085	TO5 TO5
16T6	#		see 2N228										
16T9	TO10	6	2N1363 2N1542A 2N1762 H5G1 KH5G1 UFP1520 4696-3037 129499	▼ ▼ ▼ # # # ▼ ▼	TO3 TO3 MS7 MS7 ST113 TO3	2N1136A 2N1543 2N2154A CDT1315	▼ ▼ ▼ ▼	TO3 TO3 TO36 TO36 MS7	2N1136B 2N1982 2N2155 CDT1315	TO3 TO36 TO36 TO3	2N1542 2N2154 2N2155A	TO3 TO36 TO36	

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.		
16T26		3	2N213A		ST204	▼	T05	ST205	▼	T05		
16T33	#		see 16T5D									
16T36	#		see 16T5B									
16T36MP	#		see 16T5BMP									
T-0021	□	TO23	2	2N370/33 2N987 2N1177 2N1673	TO33 RO38 TO45 TO33	2N369 2N535A	▼ TO23	2N534 2N535B	▼ TO23	2N535 1066364	▼ TO23	
J22	#		see 447454									
J23	#		see 447475									
26HO3	#		see 575-R526HO3									
GT34HV		2	763-1000-12 □	TO9	GT34N		TO5					
GT35	#		see N2088262-4									
AF00038-2	#		see 2N441-2									
AF00038-4	#		see 2N441-4									
AF00038-5	#		see 2N441-5									
AF00038-6	#		see 2N441-6									
AF00038-8	#		see 2N174-8									
ST45		5	2N335A 2N335B 2N337A MT911 CDQ10008	▼ TO5 TO5 TO5 u13 RO63	2N334 2N758A	TO5 TO18	2N745 4C30	u2 TO5	2N758 1979817-2	▼ TO18 TO5		
046HO2	□	MT1	9	2N1016C USA2N1016CM 05-990110 576R046HO2 # STC1015C STC1015D 2031039	▼ MT1 MT1 MT1 MT1 MT1 MT1 MT3	2N1016D 2N2580	▼ MT1 TO36	USA2N1016DM STC1016C	MT1 MT1	2N1016E STC1016D	MT1 MT1	
48-34735A01	OV6	5	2N118A 2N334 2N335A 2N335B 2N480 2N746 2N2531	▼ TO5 ▼ TO5 ▼ TO5 TO18	2N335 CDQ10008	TO5 RO63	4C30 CDQ10023	TO5 RO63	CDQ10007 723020-7	▼ RO63 TO5		
T0051	#		see 1066364									
J52	#		see 620448-2									
S59-34	#		see GT1395									
J66	□	OV1	5	173S-208 #	J143	▼	OV9	412141-1	▼	TO11	1876673	▼ TO11
J70	OV9		5	2N245 2N342A 2N342B J143 412141-1 1876673	▼ TO11 TO11 TO11 OV9 TO11 TO11	2N1155	▼ OV9	J66	▼ OV1	CDQ10037	RO63	
J75	OV1	5	2N243 2N245 2N342 J143 412141-1 1876673	▼ TO11 TO11 TO11 OV9 TO11 TO11	JAN2N342 J66	▼ OV1	2N342A CDQ10037	▼ TO11 RO63	2N342B 534767-5	▼ TO11 OV1		
75-200-001	TO9	2	2N397 3484 763-1000-9	▼ # ▼ TO1	TO5 TO8 TO8 MT11 MT11 MT24 MT24	2N428A 2N1316	▼ TO5	2N582 2N1349	▼ TO5	2N584 2N1357	TO1 TO5	
75-269-001	□	TO8	9	2N1484 2N1486 2N2020 2N2021 2N2633 2N2634	▼ ▼ MT11 MT11 MT24 MT24	2N1050 2N1050B 1060460-4	▼ MT5 MT5 MT5	2N1050A 2N1050C	MT5 MT5	USN2N1050A ♦ 107-343-4	MT5 MT5	
94-035	OV6	5	2N335A 2N335B 2N1590 2N1591 ST45	▼ ▼ TO5 OV9 OV9	2N118A 2N337A CDQ10005	▼ OV6 TO5 RO63	2N119 2N745 1979817-2	▼ OV6 u2 TO5	2N334 690TI-17 4C30	TO5 OV9 TO5		
94-079	MS6	9	J168-2 #		2N1048 2N1048B	MT5 MT5	2N1048A 2N1048C	MT5 MT5	USN2N1048A 422210	▼ MT5 MT5		

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SB100	TO24	2	2N344 2N346	▼ ▼	TO24 TO24	2N128 2N345	▼ ▼	TO24 TO24	JAN2N128 SO3	TO24 TO24	2N240 TI364	▼	TO24 RO44	
102B	□	TO16	2	2N598 2N599 2N600 2N601 2N1999 472-0143-001 # 723005-6	▼ ▼ ▼ ▼ TO5 TO31 TO31 TO31	TO9 TO9 TO31 TO31 TO5	2N527A	TO5	2N2000	TO5	OC123		TO7	
ST103	TO5	2	2N384 JAN2N384 2N1023 2N1066 2N1224 2N1225 2N1226	▼ ▼♦ TO44 TO44 TO33 TO33 TO33 #	TO44 TO44 TO33 TO33 TO33	2N1395	TO33	2N1396	TO33	2N1397		TO33		
104B	□	TO24	2	2N506 2N1009 USN2N1305 472-0150-001#	▼	TO5	2N284 JAN2N501A 2N1303 2N1500/18	▼	TO1 TO5 TO5 TO18	2N284A 2N695 2N1305 2N1784	TO17 TO5 TO5 u1	2N311 2N984 2N1500 2N2170	▼	TO5 TO18 TO9 TO9
N107	#			see 908288										
107-279	□	TO5	3	USN2N1304 2N1993 N162	▼ #	TO5 TO5	2N635A USN2N1306 16T5D	▼ ▼ ▼	TO5 TO5 TO9	2N634A 2N1808	TO5 TO5	2N1306 2N2085	▼	TO5 TO5
107-342-1	#			see 2N1016										
107-342-2	#			see 2N1016A										
107-342-3	□	MT1	9	2N1050 2N1050A USN2N1050A 2N1050B 2N1050C 1060460-4	▼ MT5 MT5 ♦ MT5 MT5 MT5 ▼	MT5 MT5 MT5 MT5 MT5 MT5 MT5	2N2018 2N2021	MT11 MT11	2N2019	MT11	2N2020		MT11	
107-342-4	#			see 2N1016C										
107-342-5	#			see 2N1016D										
107-343-1	#			see 2N1047										
107-343-2	#			see 2N1048										
107-343-3	#			see 2N1049										
107-343-4	□	MT5	9	2N1016C USA2N1016CM 2N2580 05-990110 STC1015C STC1015D 2031039	▼ MT1 MT1 TO36 ▼ MT1 MT1 MT1 MT1 ▼	MT1 MT1 TO36 MT1 MT1 MT1 MT1 MT3	2N1016B USA2N1016DM STC1016D	▼ MT1 MT1 MT1	USA2N1016BM 2N1016E	MT1 MT1	2N1016D STC1016C	▼	MT1 MT1	
112-463	□	TO1	4	2N495 2N861 2N1118 2N1118A	▼ TO18 ▼ TO5	TO1 TO18 TO5 TO5	2N860	TO18	2N981		2N2377		TO18	
ST113	MS7	6	2N1761 2N1762	MS7 MS7	H5G2 MS7	▼	TO10	16T9	▼	TO10	CTP1736	▼	MS7	
ST114	TO5	2	2N1355 2N1356		TO5 TO5	2N466 2N1954 21271-1	▼ TO5 ▼	TO5 TO5 TO5	JAN2N526 2N1956 8935907-1	▼♦ ▼ ▼	TO5 TO5 TO5	2N1448 2N1957	TO5 TO5	
NS120	TO5	4	2264043	▼	TO5	2N941 2N944 2N1917 2N1920	TO18 TO18 TO5 TO5	2N942 2N945 2N1918 2N1921	TO18 TO18 TO5 TO5	2N943 2N946 2N1919 2N1922	TO18 TO18 TO5 TO5	TO18 TO18 TO5 TO5		
ST122	TO5	2	USA2N43A 2N524A 2N525A		RO32 TO5 TO5	2N60B 2N61C	TO5 TO5	2N60C	TO5	2N61B		TO5		
ST123	TO5	2	2N1350		2N382	▼	TO5	2N383	▼	TO5	2N3000		TO5	
J143	OV9	5	2N1156 2N1156/953 412141-1 1876673	▼ ▼ ▼ ▼	OV1 OV1 TO11 TO11	J66	▼	OV1 549122	▼	OV9				
SMO154	#		see 3068333											
N162	#		see 107-279											
J168-2	#		see 94-079											
173S-208	#		see J66											

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186-2363	TO5	5	2N754 2N755 2N912 ST1079	TO18 TO18 TO18	2N343 2N1975 99240-111	▼ ▼ ▼	TO11 TO5 TO11	2N758B 2N2520 620448-2	TO18 TO46 OV9	2N1591 CK398	OV9 TO5		
S189	#		see 1980408										
DR192	#		see 446914A										
S201	#		see 410843-1										
202-328	□	TO5	5	2N697 2N699 2N1613 USN2N1893 2N1959 SP8400 2188043	▼ ▼ ▼ ▼ TO5 TO5 TO5	TO5 TO5 TO5	2N699A 2N1889 2N2243	TO5 TO5 TO5	USN2N1613 2N2193 2N2243A	▼ TO5 TO5	2N1893 2N2193A PMT214	TO5 TO5 TO51	
202-333	□	TO5	2	USN2N1303 TS1136 GT1925 723005-10	▼ # # ▼	TO5	2N505 1980409	▼	TO9	2N537	TO29	2N1195	▼ TO29
202-334	□	TO5	2	JAN2N1195 DXX763-1000-11 GT1922 T51138 C242912-3	♦ # # # #	TO5	2N464 2N1142A 2N1176B	▼	TO5 TO5 TO5	2N537 2N1143A	TO29 TO5	2N1141A 2N1176A	TO5 TO5
202-435	□	TO5	5	RT5002	#		2N718 2N731 2N2317 MT697	TO18 TO18 TO46 u13	2N720 2N1958/18 202-328 MT1613	▼ TO5 TO5	2N720A 2N1965 TMT697 MT1893	TO18 u1 TO51 u13	
202-439	□	MD7	6	2N1030B 2N1030C 2N1032B 2N1032C SP253	#	MD16 MD16 TO41 TO41	2N678B 2N1559A	TO3 TO3	2N678C 2N1560	▼	TO3 TO3	2N1559 2N1560A	TO3 TO3
203-840	□	N79	11	6010	#								
ST204	TO5	3					2N2085	TO5	ST205	▼	TO5		
ST205	TO5	3					ST204	▼	TO5				
J213	OV1	5	USN2N337 2N907 2073262	▼ # ▼	TO5 u10 TO5		TMT842	u5					
213-2	TO41	6	2N268A 2N386 2N387 2N463 USN2N463 CTP1165 1850-002	▼ ▼ ▼ ▼ # ▼	TO3 TO27 TO27 TO32 TO32	TO3 2111275	2N234A	▼ TO3	2N379 8935901-1	▼ ▼	TO3 TO3	2N459	▼ TO3
213-3	TO7	*2	2N1516 2N1516/OC170 2N1517 2N2494 2N2495 2N2496 1850-0003	# # # # # ▼	TO7 TO7 TO7 TO33 TO7		2N384 2N1225	▼ TO44	2N1023		TO44	2N1066	TO33
213-11	#		see 2N123										
J231	#		see 534767-1										
J243	TO11	5	2N1207 2N2008 386-1015P5	#	TO5 TO5	USN2N341M 2N1156/953	▼ ▼	TO11 OV1	JAN2N498 2N1493	▼ TO12	2N657A 2N1615	▼ TO5	
248C10863	□	N78	2	2N319 2N1614 M509	#	TO5 RO32	2N398B	TO5	TR5100 2028367-2 2028367-6	TR5101 TO5 MD14 8935908-1	▼ TO5 TO5 TO5	2028367-1 2028367-5 8935908-2	▼ MD14 TO5
SP253	#		see 202-439										
J268	□	TO11	5	472-0011-001 690TI-45 ST4341 ST5029	# ▼ # ▼	TO11 TO5 TO11	2N245 2N342B CDQ10044	▼ TO11 R063	2N342 JAN2N343 CDQ10037	▼ TO11 R063	2N342A CDQ10014 99240-111	▼ TO11 R063	

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TI302	OV9	2	2N180 2N181 2N565 2N1224 2N1226 ST103 B94487	▼ ▼ ▼ ▼ ▼ ▼ ▼	2N35 2N566	▼ ▼	TO22 TO5	2N43A 2N624	▼ RO32 RO4	2N237
302B	TO9	3	2N1012 472-0141-001 # A99240-132	TO5 TO9	2N356A 8935905-3	▼ ▼	TO5 TO5	2N1000	TO5	8935904-1 ▼
J311	TO11	5	2N340 2N340A 2N341A 11-980-00-041# 534767-1	▼ ▼ ▼ ▼ ▼	TO11 CDQ10012 TO11 CDQ10034 TO11	CDQ10013	RO63 RO63	CDQ10033	RO63	
NAA317		2	2N316A 2N524A	▼ ▼	TO5 TO5	2N1384	TO11			
J319	OV9	5	2N342 2N1155 2N1156 2N1156/953 TI951 447475	▼ ▼ ▼ ▼ ▼ ▼	TO11 OV9 OV9 OV1 OV9 OV1	2N245 2N342B 690TI-15 1979824	▼ ▼ ▼ ▼	JAN2N342 J70 412141-1	TO11 OV9 TO11	2N342A 690TI-3 1876673
J334	HO34	5	2N715 2N757A	TO18 TO18	2N761	TO18	MT912	u13		
352-0041 #			see DT4-17	▼						
352-0043-00 □	MT12	6	2N458A 2N1021 2N1022 JAN2N1358M 251M1 CTF1500 7276207	▼ ▼ ▼ ▼ ▼ ▼ #	TO3 TO3 TO3 TO3 TO3 TO3	2N174 2N1022A 965927-401	▼ ▼ ▼	TO36 TO3 MT2	2N458B 2N2289	TO3 TO3
J353 #			see 2N497							
354-3032-1 #			see 2N594							
NAA358		3	723001-4	▼	TO5	2N356 2N358 2N587 763-1005	▼ ▼ ▼ ▼	TO5 TO5 TO5 TO5	2N357 2N358A 2N635 A99240-132	TO5 TO5 TO9 TO9
386-1008P1 □	TO6	6	JAN2N174 2N174A 2N1100 2N1350 2N1412 2N2148 752664-2 836709	▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼	TO36 TO36 TO36 TO36 TO36 TO36	2N375 2N1365	▼ ▼	TO3 TO3	2N1362 2156874	▼ TO3
386-1015P1 □	MS3	9	2N389 2N389A 2N389/I 2N424 2N424/I 2N424A 2N424A/I 386-1015P2 # 386-1015P3 #	MS3 MS3 MS3 MS3 MS3 MS3 MS3 MS3	2N1015A 2N1015D WX1015D MT1 MT1 MT1 MT1 MT1 MT1	▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼	MT1 MT1 MT1 2031039	MT1 MT1 MT3	2N1015C WX1015C	MT1 MT1
386-1015P2 #			see 386-1015P1							
386-1015P3 #			see 386-1015P1							
386-1015P5 #			see J243							
386-1050P1 #			see 2N78							
386-1061P4 #			see 2N1050							
386-1065P1 #			see H5G2							
386-1066P1 #			see H10G2							
386-1068P1 #			see 2N549							
386-1073P1 □	RO33	11	2N490 USAF2N490 2N490A 2N490B	▼ ▼ ▼ ▼	RO33 TO5 RO33 RO33	USAF2N492 2N492B	▼ ▼	TO5 RO33	2N492 USAF2N494	▼ TO5
386-10003P1 #			see 2N1310							
J391 #			see 966295-501							

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1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT					
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
B401-450-1 #			see 2N520							
B401-452-1 #			see 2N592							
B401-453-1 #			see GT1323							
B401-453-3 #			see GT1325							
B401-454-1 #			see 2N654							
B401-465-1 #			see 2N1301							
HD402 #			see 446914A							
ST403	MS2	9	2N1487 2N1488 2N2036 ST402	MD6 MD6 TO37 MS2	2N1208 2N1511 2N1617A 2N1648	▼ MT10 TO36 MT10 MT11	2N1208/I 2N1512 2N1618A	MT10 TO36 MT10	2N1250/I 2N1616A 2N1647	MS3 MT10 MT11
B405-450-3 #			see GT1331							
ST415	MT10	9	USN2N389 2N424 USN2N424 2N424A 2N424A/I 2N424/I	♦ ▼ ▼♦ MS3 MS3 MS3 MS3 MS3	2N389/I 2N1617A	MS3 MT10	2N389A/I 2N1618A	MS3 MT10	2N1616A 2N2101	MT10 MT10
472-0011-001#			see J268							
472-0139-001#	TO5	5	2N760B 2N929 2N2510 2N2515 2N2518 2N2522	TO18 TO18 TO18 TO46 TO46 TO46	2N2459 2N2519	TO46 TO46	2N2460	TO46	2N2516	TO46
472-0140-001#			see 702B							
472-0141-001#			see 302B							
472-0143-001#			see 102B							
472-0144-001#			see 2N525							
472-0145 □	TO1	4	502B # T-2100 ▼	TO1	2N938 2N1034 2N1234 2N1655	TO18 TO5 TO5 TO5	2N1025 2N1230 2N1275 576-R047-H01 □	TO5 TO5 TO5 TO5	JAN2N1025M 2N1232 2N1440	TO5 TO5 TO5
472-0150-001#			see 104B							
502B #			see 472-0145							
J502 #			see 2016335-2							
M509 #			see 248C10863							
531-001-150#			see 2N539A							
532-000-035 #			see 2041821-5							
532-000-036 #			see 2041821-6X							
532-001-001 #			see 2039610							
532-000-276 #			see 2264043							
J560 #			see 2N657							
575-R396-H01#	TO5	4	2N1132A	TO5	2N1131A	TO5	2N1132B	TO5	HA9532B	TO18
575-R396-H02#	TO5	4	2W498 #		2N2551	TO5				
575-R463-H01#	N75	5	2N117 2N332 ▼ 2N1149 2N1588 2N2529 2W332 # B94488 ▼	OV6 TO5 OV9 OV9 TO18 OV6	2N472 2N1150 4C28	▼ TO5 OV9 T05 CDQ10001	2N749 2N1151 CDQ10001	u2 OV9 RO63	2N1149/903 ▼ 2N1276 CDQ10018	OV9 TO5 RO63
575-R463-H02#	TO5	5	2N333 ▼ USN2N333 ▼ 2N333A 2N475 2N1151 ▼ 2N1277 2W333 # CDQ10003	TO5 TO5 TO5 TO5 TO5 RO63	USN2N334 ▼ 2N1150 ▼ 2N2533	TO5 OV9 T018	2N757 2N2520 TMT839	TO18 TO46 u5	2N839 2N2521	TO18 TO46
575-R463-H04#	TO5	5	2N480A 2N844 2N845 2N2515 2N2518 2W335 #	TO5 TO18 TO18 TO46 TO46	2N840 MT697	TO18 u13	2N2459 TMT840	TO46 u5	NS479	TO46
575-R463-H05#	TO5	5	2N543A 2N2532 2W336 # TMT841 928101-11 928110-2	TO5 TO18 U5 TO5	2N736 2N1594	TO18 OV9	2N736A 2N1959/18	TO18 TO18 TO18	2N736B 2N930 2N2524	TO18 TO18 TO46

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575-R523-HO2	T05	5	2W549/B	#	2N698A RT5003	T05 T05	2N719A	T018	2N2239	T037		
575-R525-HO1	T05	4	T1812	#	2N860	T018	2N2162	T05				
575-R526-HO3	T05	4	26H03	#	2N330A HA7542	T05 T05	2N981		HA7541	T05		
575-R680-HO1	T011	5	2N1156 2W341 412141-1 1876673	▼ TO11 ▼ TO11	2N1156/953	▼ OV1	J-66	▼	OV1	J143 ▼ OV9		
576-R046-HO2			see 046-HO2									
576-R047-HO1	T05	4			2N1234	▼	T05	HA7540	T05	HA7542		
594A4	OV9	5	2N118 2N161 2N333 2N475 575-R463-HO2	▼ TO5 ▼ TO5 ▼ TO5	2N2530 T1492 CDQ10021	T018 T05 RO63	4C29 CDQ10020	T05 RO63	ST1242 CDQ10020	T05 RO63		
621	#		see 2206323									
J639	#		see 1876673									
TR652	#		see 2243255									
J679	#		see 412141-1									
690TI-3	□	OV1	5	2N245 2N342A 2N342B J143 412141-1 1876673	▼ TO11 ▼ TO11 ▼ TO11 ▼ TO11	2N342 1979824	▼ TO11	J-66	▼	OV1		
690TI-9	□	OV9	5	J334 2N337 2N338 447454	▼ TO5 ▼ TO5 ▼ OV9	2N118 USN2N334	▼ TO5	2N161 2N1150	▼ OV9	USN2N333 594A4	▼ TO5 OV9	
690TI-15	□	OV1	5	2N245 2N342A J143 412141-1 1876673	▼ TO11 ▼ TO11 ▼ TO11 ▼ TO11	2N342 J66 1979824	▼ TO11 ▼ TO11	JAN2N342 690TI-3	▼	TO11	2N342B CDQ10037	TO11 RO63
690TI-17	□	OV9	5	2N335A 2N335B 2N1590 2N1591 ST45 94-035	▼ TO5 ▼ TO5 ▼ TO5 ▼ OV6	2N118A 2N337A CDQ10005	▼ TO5 TO5 TO5 TO5 TO5	2N334 2N745 1979817-2	▼ TO5	TO5	USN2N335 4C30	TO5 TO5
690TI-35	□	T05	5	USN2N333 2N333 2N333A 2N475 2N1151 2N1277 575-R463-HO2	▼ TO5 ▼ TO5 ▼ TO5 ▼ TO5 ▼ CDQ10003	USN2N334 2N1150 2N2533	▼ TO5 TO5 TO18	2N757 2N2520 TMT839	TO18 TO46 u5	TO18	2N839 2N2521	TO18 TO46
690TI-37	□	T05	4	ST1002A	#	2N940 JAN2N1469M HA9059	T018 T05 T018	2N1259 2N1475	TO5 TO5	2N1469 2N1477	▼ TO5	TO5
690TI-45	□	TO11	5	472-0011-001# J268 ST4341	▼ TO11 ▼ TO5	2N245 2N342B CDQ10037	▼ TO11 TO11 TO63	2N342 JAN2N343 CDQ10044	▼ TO11 TO11 TO63	2N342A CDQ10014 99240-111	▼ TO11 TO11	TO11 RO63
702B	□	TO16	5	2N760 2N760A 2N909 2N2484 NS480 FT2484	TO18 TO18 TO18 TO18 TO46 TO18	2N336 2N2461 ME213 TO18 NS477	▼ TO5 TO46 TO18	2N930 2N2465 DAS3540	TO18 TO18 TO1	2N2388 2N2510 DAS3540	TO50 TO18	
741-465-1	#			see 2N1301								
NS760	#			see 3068333								
GT761	OV6	2			2N219 2N1122A 2N1742 763-1000-15	▼ TO24 TO9 ▼	TO44 TO24 TO9 TO1	2N503 2N1726 2N1743 DAS3540	TO9 TO9 TO9 TO1	2N1122 2N1728 2N1788	TO24 TO9 TO9	

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DXX763-1000-1	TO9	2			2N398 2N2042 GT1811	▼ TO9 TO5 ▼	2N398A 2N2042A 908328	TO5 TO5 ▼ TO5	2N1670 GT34N	TO9 TO5
DXX763-1000-2	TO1	2	2N1141 2N1142 2N1143 2N1195	▼ TO5 TO5 TO5 ▼ TO29	2N284 2N509	▼	2N284A 2N537	TO29	2N381	TO5
DXX763-1000-3			see 2N582							
DXX763-1000-6			see 2N427							
DXX763-1000-7			see 2N385							
DXX763-1000-9	TO1	2	2N397 75-200	▼ TO5 ▼ TO9	2N428A 2N1316	▼ TO5	2N582 2N1349	▼ TO5	2N584 2N1357	TO1 TO5
DXX763-1000-11			see 202-334							
DXX763-1000-12	TO9	2	2N501/18 2N1678	TO18 TO9	2N537 1980409	▼ TO9	2N1385	TO5	2N1670	TO9
DXX763-1000-14			see 2N167							
DXX763-1000-15	TO1	2	2N384 2N503 2N1728 2N2455 2N2456 T2053	▼ TO44 TO9 TO9 TO5 TO18 #	2N501 2N1744	▼ TO1 TO9	2N502 2N1788	TO9 TO9	2N1726 2N2375	TO9 TO5
DXX763-1000-16			see 2N416							
763-1005	TO5	3	2N357A	TO5	2N587 8935905-3	▼ TO5	908288	▼ TO5	8935904-1	▼ TO5
TS798	MD1	6	CTP1736 2100-1015	▼ #	MS7 2N1360 2N2144A 2N2146	TO3 TO3 TO3	2N1363 2N2145 2N2146A	TO3 TO3 TO3	2N2144 2N2145A	TO3 TO3
CK880			see 7733719-1							
CK887			see 2N329A							
DL-S898			see 2N118A							
T1904			see 2N161							
CK911	TO5	2	2N597 2N659 2N662 2N1123 2N1478	▼ TO5 TO5 TO5 TO9	2N226 2N526A	▼ TO25 TO5	2N270 2N660	▼ TO27 TO5	2N525A 2N661	TO5 TO5
GT948	TO5	3	2N364 2N1311 GT904	▼ TO9 TO5	OV9 2N1310 GT949	TO22 TO9 TO5	2N212 GT365 2N1672A	TO22 TO5 TO5	2N679 GT905	RO5 TO5
TI951	OV9	5	2N342 2N1155 2N1156 2N1156/953 J319 447475	▼ OV9 OV9 OV9 ▼ OV1 ▼ OV1	TO11 2N245 2N342B 690TI-15 1979824	▼ TO11 TO11 TO11 ▼ OV1 ▼ TO11	JAN2N342 J70 412141-1	TO11 ▼ OV9 TO11	2N342A 690TI-3 1876673	▼ OV1 ▼ TO11
ST1002A	#		see 690TI-37							
WX1015C	MT1	9	05-990110 STC1015C STC1015D 2031039	▼ MT1 MT1 MT1 ▼ MT3	2N1015C 2N1016C USA2N1016DM 046HO2	▼ MT1 MT1 MT1 ▼ MT1	2N1015D USA2N1016CM 2N1016E STC1016C	▼ MT1 MT1 MT1 MT1	2N1015E 2N1016D 2N2580 STC1016D	MT1 MT1 TO36 MT1
WX1016D	MT1	9	2N1016D USA2N1016DM 2N1016E STC1016D	▼ MT1 MT1 MT1 MT1	2N1015D 05-990110	▼ MT1 MT1	2N1015E STC1015D	MT1 MT1	2N2580 2031039	TO36 MT3
ST1069	#		see 928101-11							
T1073	TO24	2	T1328 L5129	▼ TO24 ▼	JAN2N240 2N1405 2N2363 2038120	TO24 TO12 RO38 ▼ TO24	2N700 2N1406 GT1811	▼ TO17 TO12 ▼ TO24	2N700A 2N1407 T2352	TO17 TO12 TO9
ST1079	#		see 186-2363							
ST1082	#		see 928110-2							
GT-1092		3	2N447B	TO5	2N213A 16T26	▼	2N447 ST204	▼ TO5	2N1251 ST205	TO22 TO5
CTP1112		6	2N268 2N268A 2N459 2N463 USN2N463 2111275	▼ TO3 TO3 TO3 TO3 ▼ TO3	2N638A 2N2527	TO3 TO3	2N638B 2N2528	TO3 TO3	2N2526	TO3

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IN TYPE NUMBER SEQUENCE

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TS1136 #			see 202-333							
CTP1150		6	CTP1736 ▼	MS7	2N1360 2N2144A 2N2146	TO3 TO3 TO3	2N1363 2N2145 2N2146A	TO3 TO3 TO3	2N2144 2N2145A	TO3 TO3
CTP1165 #			see 213-2							
ST1170A #			see 1980410-5							
ST1174A #			see 1980410-6							
GT1249	TO5	2	2N1447 2N1451 GT1249T09 1653139-1	T05 T05 ▼ T05 ▼ T05	2N518 2N1303 2N1452	RO32 TO5 TO5	USN2N650A USN2N1303	▼ T05 TO5	2N1057 2N1446	RO32 TO5
GT1249T09	TO9	2	2N1447 2N1451 GT1249 1653139-1	T05 T05 ▼ T05 ▼ T05	2N518 2N1303 2N1452	RO32 TO5 TO5	USN2N650A USN2N1303	▼ T05 TO5	2N1057 2N1446	RO32 TO5
1261-130 #			see 2N104							
T1282	TO1	4	2N1428 2N1429	▼ T01 T05	2N859 2N864 2N1118A	TO18 TO18 TO5	2N861 2N865 2N1677	TO18 TO18 TO5	2N863 2N1118 112-463	▼ TO18 ▼ TO5 ▼ T01
CTP1322	TO3	6	2N1532 2N1532A 2N1533 CTP1112	T03 T03 T03 ▼	2N638B CDT1322	TO3 TO3	CDT1320	TO3	CDT1321	TO3
GT1323	TO9	3	2N447A B401-453-1 741453-2	▼ T05 # #	2N388 2N446A 2N1431	TO5 TO5 TO22	USN2N388 2N1299	▼ T05 TO5	2N388A 2N1624	▼ TO5 TO5
GT1325	TO9	3	2N385A 2N388A 2N1091 B401-453-3 741453-3	T05 T05 T09 # #	2N385 2N445A 2N1308 2N1808	TO5 TO5 TO5 TO5	USN2N388 2N635A USN2N1308 16T5D	▼ T05 TO5 TO5 TO9	2N440A 2N1102 2N1781 8935905-1	TO9 TO22 u1 ▼ T05
T1328 □	TO24	2			2N499 2N1406 T2352	TO1 TO12 TO9	2N700 2N1407	▼ TO17 TO12	2N1405 2N2363	▼ TO12 RO38
GT1331	TO5	2	2N465 2N624 B405-450-3 741450-3	▼ T05 RO4 # #	2N104 2N271 2N1145 GA53213	TO40	2N113 2N271A TR650	▼ OV4 TO5	2N215 2N331 TR653	TO44 TO9 TO5
GT1395		3	2N635A 2N1306 2N1993 16T5D S59-34 107-279 A426400	▼ T05 TO5 TO5 ▼ T09 # #	2N2085	TO5				
T1426	TO1	4	472-0145 T2100 928101-9	▼ T01 TO1 ▼ T05	2N1034	TO5	2N1655	TO5		
T1467	TO1	4	2N1240	X3	2N330A HA7631	TO5 TO5	2N936 HA7730	TO18 X3	HA7630 HA7731	TO5 X3
CTP1500	TO3	6	2N458A 2N1021 2N1022 CTP3500	▼ T03 TO3 TO3 TO41	2N173 2N1022A 2N2079A 2N2081	TO36 TO3 TO36 TO36	2N458B 2N1099 2N2080 2N2081A	TO3 ▼ T036 TO36 TO36	2N1021A 2N2079 2N2080A	TO3 TO36 TO36
T1516	TO1	2	2N980 2N1122A	▼ T018 TO24	2N284 2N1122 723005-18 8935915-3	TO24 TO9 ▼ T05	2N284A SYL2120 8935915-1	JAN2N501A u1 TO5	JAN2N501A GT5149 8935915-2	▼ TO1 TO24 ▼ T05
QR1519 #			see 2N674							
CTP1520		6	2N1136A 2N1136B 2N1542 2N1542A 4096-3037 129499	▼ T03 TO3 TO3 TO3 ▼ T03 ▼ T03	2N1363 2N2154 2N2155A	TO3 TO36 TO36	2N1543 2N2154A	TO3 TO36	2N1982 2N2155	TO36 TO36
SYL1603 #			see N2088436-2							
T1619	TO5	4	2N327A 928101-5 928101-8	▼ T05 ▼ T05 ▼ T05	2N858 2N1643	TO18 TO5	2N860 2N2274	TO18 TO18	2N1037 2N2275	▼ TO5 TO18

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T1661	✓	TO24	2	2N846B T1662	▼ TO24	2N819 2N1499A 908328	u8 ▼ TO9 TO5	2N820 2N1754	u9 TO9	2N1301 DAS3540	▼ ✓ TO5 TO1
T1662		TO24	2	2N846B T1661	▼ TO24	2N819 2N1499A 908328	u8 ▼ TO9 TO5	2N820 2N1754	u9 TO9	2N1301 DAS3540	▼ ✓ TO5 TO1
A1698	N70	2	2N22	#	Point Contact	Transistor - No	Equivalents				
T1720	TO24	2	2N1728 2N1790		TO9 TO9	2N1178 2N1867	TO45 TO9	2N1785 TI363	TO9 RO44	2N1787 TI385	TO9 RO44
CTP1728	MS7	6	2N2141 2N2141A CTP1730	▼ MS7	TO3 TO3 MS7	2N2140	TO3	2N2140A	TO3		
CTP1730	MS7	6	2N2141 2N2141A		TO3 TO3	2N2140	TO3	2N2140A	TO3		
CTP1731	MS7	6	TS798 CTP1150	▼ ▼	MD1	2N2143 2N2144A 2N2146	TO3 TO3 TO3	2N2143A 2N2145 2N2146A	TO3 TO3 TO3	2N2144 2N2145A	TO3 TO3
1735-206	#		see 2N126								
CTP1736	MS7	6	CTP1150	▼		2N2144 2N2145A	TO3 TO3	2N2144A 2N2146	TO3 TO3	2N2145 2N2146A	TO3 TO3
GT1811		2	763-1000-1	▼ TO9	2N398 2N2042 908328	▼ TO5 ▼ TO5	TO9 TO5 TO5	2N398A 2N2042A	TO5 TO5	2N1670 GT34N	TO9 TO5
T1812	#		see 575R525-H01								
T1825	#		see 910520								
1850-0012	TO41	6	2N268A 2N386 2N387 2N463 USN2N463 213-2	▼ TO27 TO27 TO32 TO32 TO41	TO3 2111275	▼ TO3	2N379 8935901-1	▼ TO3	2N459	▼ TO3	
1850-0003	TO7	2	2N1516 2N1517 2N2494 2N2495 2N2496		TO7 TO7 TO7 TO33 TO38	2N384 2N1225	▼ TO44 TO33	2N1023 213-3	▼ TO44 TO7	2N1066	TO33
1850-0011	TO5	2	2N394A 2N1305 USN2N1305	▼	TO5 TO5 TO5 ST114	2N123 2N323 TO5 TO5	RO32 TO5 TO5	USAF2N123 2N1347	▼ TO5	2N281 2N1354	RO8 TO5
1850-0049	#		see 2N1008B								
T1904	#		see 534767-4								
T1904	#		see 616664-2								
GT1922	#		see 202-334								
GT1925	#		see 202-333								
T1939	✓	TO9	2	2N695 USN2N705 USN2N1303 2N1450 SYL2120 723005-10 723005-18	♦ TO17 TO5 TO9 u1 u1 ▼ TO5 ▼ TO9	JAN2N428 2N1646 2N1961	▼ TO5 TO18 u1	2N506 2N1784	u1	2N980 2N1960	TO18 u1
T2053	#		see 763-1000-15								
T2053	#		see DAS3540								
T2069	#		see 2038120								
T-2100	TO1	4				2N1655 2N1034 BCZ12	▼ TO5 R08	2N925 2N1275 576-R047-H01	▼ TO5 TO5	2N927 2N1440 HA7540	TO18 TO5 TO5
2100-1015	#		see TS798								
GT2208	#		see 4096-2404-1								
GT2209	#		see 4096-2404-2								
GT2210	#		see 4096-2404-3								
GT2211	#		see 4096-2404-4								
T2347	#		see 911914-01								
GT2377	#		see 4096-2404-5								
2562-44193	#		see 2N1231								
QR2615	#		see 928101-9								
SYL2687	#		see 4096-3006								

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♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT						
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
S2712A74086-1#			see 2N385								
S2712A74086-2#			see 2N525								
S2712A74086-3#			see 2N525								
2851Q	T03	6	2N158 2N158A 2N296 2N307A LT5043	▼ ▼ ▼ ▼ ▼	MM3 MM3 T03 T03	2N156 2N1465 2N1504/10	▼ ▼ ▼	MM3 T013 T010	2N1437 2N1466	T013 T010	
J3215 #			see 928104-2								
J3216 #			see 928104-3								
3484 #			see 75-200-001								
DAS3540	□	T01	2	2N846 2N846A T2053	T018 T018	JAN2N501A 101B	▼	T01 T018	2N846B 101M	T018 T018	
3577 #			see 2N301								
3645 #			see 1021712-1								
3681 #			see 908328								
FT4000AB	T05	5	2N699 2N1613 2N1959 2N2193 2N2193A SP8400	▼ ▼ ▼ ▼ ▼ ▼	T05 T05 T05 T05 T05	2N697 USN2N1893 PMT214	▼♦ ▼♦	T05 T05 T051	USN2N1613 2N1893	T05 T05	
ST4031 #			see 928101-10								
S4058 #			see 928100-18								
S4072 #			see 928101-4								
ST4094A #			see 1980407-1								
4096-2110-1 □	T05	5	2N1340 2N1893A	T05 T05	JAN2N497 2N1055 2N1339 2028367-1 2028367-5	▼ ▼ ▼ ▼ ▼	T05 T05 T05 T05 T05	JAN2N498 2N1335 2N1341 2028367-2 2028367-6	▼♦ ▼♦ ▼♦ ▼♦ ▼♦	T05 T05 T05 T05 T05	
4096-2404-1 □	T05	2	GT2208 34211 4096-2404-2 □ 4096-2404-3 □ 4096-2404-4 □ 4096-2404-5 □	# # T05 T05 T05 T05	2N362 2N1377	▼	T05 T05	2N466 2N3000	▼	T05 T05	
4096-2404-2 □	T05	2	GT2209 34212 4096-2404-1 □ 4096-2404-3 □ 4096-2404-4 □ 4096-2404-5 □	# # T05 T05 T05 T05	2N362 ST123	▼	T05 T05	2N466	▼	T05 T05	
4096-2404-3 □	T05	2	GT2210 34213 4096-2404-1 □ 4096-2404-2 □ 4096-2404-4 □ 4096-2404-5 □	# # T05 T05 T05 T05	2N362 ST123	▼	T05 T05	2N466	▼	T05 T05	
4096-2404-4 □	T05	2	GT2211 34214 4096-2404-1 □ 4096-2404-2 □ 4096-2404-3 □ 4096-2404-5 □	# # T05 T05 T05 T05	2N466	▼	T05	2N3000		T05	
4096-2404-5 □	T05	2	GT2377 34215 4096-2404-1 □ 4096-2404-2 □ 4096-2404-3 □ 4096-2404-4 □	# # T05 T05 T05 T05	2N362 ST123	▼	T05 T05	2N466	▼	T05 T05	
4096-3006 □	T01	2	2N404 USAF2N404 2N404A 2N1446 2N1451 SYL2687 34096	▼ ♦ T09 T05 T05 T05	2N269 2N1447 1653139-1	▼	T01 T05 T05	2N582 TR43	T05 T05	2N584 TR320	T01 T05

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IN TYPE NUMBER SEQUENCE

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4096-3037	✓	TO3	6	2N1136A 2N1363 2N1542 2N1542A CTP1520 129499	▼ TO3 TO3 TO3 TO3 TO3	2N1543 2N2154A	TO3 TO36	2N1982 2N2155	TO36 TO36	2N2154 2N2155A	TO36 TO36	
ST4136	#			see 2016335-2								
S4182		TO5	5	2N2435 2N2436 2N2439 2N2440 2N2443	TO46 TO46 TO46 TO5 TO5							
FT4205		TO5	5	2N699 2N1893 USN2N1893 2N2243 2N2243A SP8400	▼ TO5 TO5 ▼♦ TO5 TO5 TO5	2N699A	TO5	2N1889	TO5			
S4464	#			see 928104-2								
FT4510AB		TO18	4	2N722 2N1132	▼ TO18 TO5	2N721 HA9532B	TO18 TO18	2N1131A	TO5	2N1132B	TO5	
BH4550	#			see 2N479								
J5001	#			see 16T5B								
RT5002	#			see 202-435								
ST5029		TO11	5	J268 690TI-45 ST4341	▼✓ ▼✓ TO5	2N245 2N342B CDQ10037	▼ TO11 TO11 RO63	2N342 JAN2N343 CDQ10044	▼ TO11 TO11 RO63	2N342A CDQ10014 99240-111	▼ TO11 RO63 TO11	
ST5037	#			see 1876673								
LT5043			6	2N1465 2N1466	TO13 TO10	CK312 CK413	MM3 MT12	CK313 CK414	MM3 MT12	CK314	MM3	
L5129		TO24	2	T1073 T1328	▼ ▼✓	TO24 TO24	2N240 2N1405 2N2363 2038120	▼ TO24 TO12 RO38 ▼✓ TO24	2N700 2N1406 GT1811	▼ TO17 TO12 T2352	2N700A 2N1407	▼ TO17 TO12 TO9
LT5237	#			see 940884-305								
RT5802	#			see 617978								
RT5803	#			see 617979-1								
A5907	#			see 2N1224								
6010	#			see 203-840								
S6190-61122		TO5	9	2N1718 2N1719	MT13 MT13	MHT4401 MHT4417	TO5 TO5	MHT4402 MHT4514	TO5 MT9	MHT4414 MHT4517	TO5 MT9	
ST7043	#			see 194179-1								
HA7508	#			see 1979815								
HA7524	#			see 2041821-5								
HA7525	#			see 2041821-6								
HA7584	#			see 928101-8								
21225-1	#			see USA2N1043								
21371-1		TO5	2	2N321 2N394 JAN2N526 2N1305 USN2N1305 8935907-1	▼ TO5 TO5 TO5 TO5 ▼✓ TO5	2N394A B1154	TO5	2N1354	TO5	2N1681	TO5	
34096	#			see 4096-3006								
34211	#			see 4096-2404-1								
34212	#			see 4096-2404-2								
34213	#			see 4096-2404-3								
34214	#			see 4096-2404-4								
34215	#			see 4096-2404-5								
GF40022	#			see 2N1622								
T50261	#			see 928101-5								
T50271	#			see 940883-305								
T50725	#			see 928201-4								
T50786	#			see 928101-6								
GA52830			2			2N600 2N1123	▼ TO31 TO31	2N601 723045-2	▼✓ TO31	2N671	▼ TO26	
GA53213			2	2N112 2N112A 2N425 2N524	OV4 TO5 TO5	2N189 2N1056	▼ TO32	2N413	TO5	USAF2N461	TO9	
GA53242	#			see 2237433								

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GA53677 #			see A217141, A217142								
GA53678	TO38	5	2N2438	TO46	2N343B 2N1974	TO11 TO5	2N1613 2N2008	▼	TO5 TO5	USN2N1613 CDQ10045	
GA53680	MS3	9	2N424 USN2N424 2N424/I 2N424A 2N424A/I 2N1617A 2N1618A	▼ MS3 MS3 MS3 MS3 MS3 MT10 MT10	USN2N389 2N1616A 2031039	♦ MT10 ▼ MT3	2N389/I 2N1895		MS3 MT16	2N389A/I 2N2101	
66456-501-511	TO1	4	2N1428 2N1429 T1282	▼ TO1 TO5 ▼	2N859 2N864 2N1118A	TO18 TO18 TO5	2N861 2N865 2N1677	▼	TO18 TO18 TO5	2N863 2N1118 112-463	
B94487	OV9	2	2N180 2N181 2N565 2N1224 2N1226 ST103 TI302	▼ TO33 ▼ TO33 ▼ TO5 ▼ OV9	2N237 2N634	RO4	2N369	▼	OV9	2N566	
B94488	OV6	5	2N117 2N332 2N1149 2N2529 575-R463-H01	▼ TO5 OV9 TO18 N75	OV6 4C28	▼ TO5	2N472 CDQ10001	▼	U2 R063	2N1276 CDQ10018	
ZA97600	□	TO5	2		2N527A 2N1124	▼ TO5	2N600 2N1379	▼	TO31 TO5	USN2N652A	
99240-110 #			see 2N342								
99240-111	TO11	5	2N339A 2N340 2N340A 2N341 2N341A J311 534767-1	▼ TO11 TO11 TO11 TO11 TO11 TO11	2N343 CDQ10012 CDQ10033	▼ TO11 RO63 RO63	JAN2N343 CDQ10013 CDQ10034	▼	TO11 RO63 RO63	2N343B CDQ10015 CDQ10045	
A99240-132 □	TO9	3	2N1012 8935905-2	▼ TO5	2N356A 8935905-1	▼ TO5	2N1000 8935905-3	▼	TO5 TO5	302B	
A99240-133 □	RO28	6	2N1038 2N1038-1 2N1039 USN2N1039 2N1040 2N1041 USN2N1041	▼ ▼ ▼ ▼ ▼ ▼ ▼	RO62 MT27 RO62 TO11 RO62 RO62 TO11	2N396 2N2554 2N2557	▼ TO3 MT27 MT27 MT28	2N2552 2N2555 2N2558	MT27 MT27 MT28	2N2553 2N2556 2N2559	
A99240-135 □	MT27	6	2N1042-1 2N1043-1 2N1045-1	▼ ▼ ▼	MT27 MT27 MT27	2N1042 2N1045 2N2562	▼ MT6 MT27	2N1043 2N2560 2N2563	▼ MT6 MT27	2N1044 2N2561 2N2564	
99240-149 □	TO33	2	99240-150	▼	TO33	JAN2N384	♦	TO44 RO44	2N1396 2N2191	TO33 RO44	2N2084 2N3000
99240-150 □	TO33	2	99240-149	▼	TO33	JAN2N384	▼	TO44 RO44	2N2084 2N3000	TO33 TO5	2N2189
129499	TO3	6	2N1146B 2N1146C 2N1147B 2N1147C	▼ ▼ ▼ ▼	TO3 TO3 TO41 TO41	2N2212 2N2295	▼ TO41 TO41	2N2292 2N2296	TO3 TO41	2N2293	TO3
131643	TO5	2			2N132A 2N568 GT122 4096-2404-3	▼ TO5 TO5 ▼	2N369 UST81 4096-2404-1	▼ TO5 TO5	OV9 TO9 4096-2404-2	JAN2N466M GT109 4096-2404-4	
194179-1	MT10	9	USN2N424 2N424/I 2N424A 2N424A/I 2N1618A STC1082 STC1552 ST7073	▼ MS3 MS3 MS3 MS3 MT10 TO3 MT10 #	2N424	▼ MS3	2N1895		MT16		
A217141	□	TO29	2	2N223 GA53677 G365300	#	TO25	2N522 2N1193	▼	TO5 TO5	2N652 2243255	▼ TO5
										2N1188	▼ TO5

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1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.			
A217142	□	TO29	2	2N223 GA53677	TO25	2N522 2N1193	▼	TO5 TO5 2243255	2N652 GT74 GT1249	TO5 TO5 OV4 GT81	2N1188 G365300	▼ #	TO5
C231642	TO5	2	2N180 2N181 2N315B 2N565 2N566	▼	TO5	2N34 GT74 GT1249	TO22 TO5 TO9	2N114	USN2N422	TO5	TO5		
C242912-1	#		see USN2N333										
C242912-2	#		see 2N174										
C242912-3	#		see 202-334										
C242912-4	#		see 2N427										
C242912-7	#		see 2N461										
C242912-8	#		see 2N665										
C242912-10	#		USAF2N123										
C242912-11	#		see 2N341										
C242912-12	#		see 2N343										
C242912-13	#		see 2N526										
C242912-14	#		see 2N396A										
C242912-15	#		see 2N384										
C242912-16	#		see 2N1026										
C242912-20	□	TO33	2	USA2N1224 USA2N1225 2N1395 2N1397 2N2188 2N2190	▼♦	TO5 TO5 TO33 TO33 RO44 RO44	2N384/33	TO33					
G365300	#		see A217141 or A217142										
410843-1	TO3	6	2N618 2N1168 2N1360 2N1363 S201 4096-3037	▼	TO3 TO3 TO3 TO3 TO3 ▼□	CTP1520	▼						
412141-1	TO11	5	J679 1876673	#	▼□	TO11	J66	▼□	OV1	J143	▼	OV9	
412728-3	#		see 2N1407										
422210	□	MT5	9	2N1048 2N1048A USN2N1048A 2N1048B 2N1048C	▼	MT5 MT5 MT5 MT5 MT5	94-079	▼	MS6				
425107-1	TO5	5	2N332 2N333 2N472 2N749 2N1149 2N2529 4C28 CDQ10001	▼	TO5 TO5 TO5 u2 OV9 TO18 TO5 RO63	2N1276 CDQ10018	TO5 RO63	2N1588 B94488	▼	OV9 OV6	575-R463-H01▼□	N75	
A426400	#		see GT1395										
446914A	□	N71	2	2N34 2N1748A 2N2447 2N2448 DR192 HD402	▼	TO22 TO9 u8 u9	2N34A 2N1633 2N1636 2N1866	TO9 TO9 TO9	2N65 2N1634 2N1638	▼	TO9	2N114 2N1635 2N1639	▼ TO9 TO9
447454	OV9	5	2N118 2N161 USN2N334 2N1150 2N2530 J22	▼	TO5 OV9 TO18	USN2N333 ST1242	▼	TO5 TO5	2N475 ST1243	TO5 TO5	TI492 CDQ10003	TO5 RO63	
447475	OV1	5	2N342A 2N1155 2N1156 2N1156/953 J23 412141-1	▼	TO11 OV9 OV9 OV1	2N342 690TI-3	▼□	TO11 OV1	2N342B 1876673	▼□	TO11 TO11	J70	▼ OV9

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468123	□	T09	2	2N206 JAN2N331 2N499A 2N1749 2N1867	▼ T09 T01 T09 T09	2N188	▼ RO32	2N1425	T07	446914A N71	
T51138	#			see 202-334							
512144-2	T05	5	JAN2N498 2N498 2028367-1 2028367-2 2028367-3 2028367-5	▼♦ ▼ ▼ ▼ ▼ ▼ T05 T05 T05 T05 T05 MD14	2N498A 2028367-6 7632218A	▼ MD14 ▼ T05	2N498/C 534767-8	▼ T05	2N698 900201-53	▼ T05 T05	
518147-3	#		see 549122								
534767-1	T011	5	2N340 2N340A 2N341 2N341A J231 J311	▼ ▼ ▼ ▼ # ▼ T011 T011 T011 T011 T011 T011	CDQ10012 CDQ10034	RO63 RO63	CDQ10013	RO63	CDQ10033	RO63	
534767-2	T05	5	2N118A 2N119 2N334 2N335 2N745 2N2531	▼ ▼ ▼ ▼ u2 T018	OV6 OV6 T05 T05 T05 T018	USN2N335 2N480 CDQ10023	▼ T05 T05 T063 723020-7	2N335A 4C30 T05	2N335B CDQ10008 1979817-2	▼ T05 RO63 T05	
534767-3	T011	5	2N340 2N340A 2N341 2N341A 2N343B J311 534767-1	▼ ▼ ▼ ▼ ▼ ▼ ▼ T011 T011 T011 T011 T011 T011 T011	2N339A CDQ10013 CDQ10034	▼ T011 RO63 RO63	JAN2N343 CDQ10015 CDQ10045	▼ T011 RO63 RO63	CDQ10012 CDQ10033 534767-3	RO63 RO63 T011	
534767-4	OV9	5	2N118 2N161 2N333 2N475 575-R463-H02 594A4 TI904	▼ ▼ ▼ ▼ ▼ ▼ # OV6 T05 T05 T05 T05 OV9 T018	ST1242 CDQ10021	TO18 T05 RO63	4C29 CDQ10003	TO5 RO63	TI492 CDQ10020	TO5 RO63	
534767-5	OV1	5	2N243 2N245 2N342 J143 412141-1 1876673	▼ ▼ ▼ ▼ ▼ ▼ OV1 T011 T011 OV9 T011 T011	JAN2N342 J66	▼ T011 OV1	2N342A J75	▼ T011 OV1	2N342B CDQ10037	TO11 RO63	
534767-6	#		see 2N1050								
534767-7	#		see 2N424								
534767-8	T05	9	2N2035 2N2036 2N1048 2N1048A USN2N1048A 7B3 TF3	▼ ▼ ▼ ▼ ▼ ▼ MT5 MT5 MT5 MT5 MD14 MT20	2N1048B AMF103 422210	▼ MT5 MS3 MT5 MT5 MT5 MT5	2N1048C AMF106	MT5 T03	94-079 AMF109	▼ MS6 MT10	
534767-9	#		see 2N244								
534767-10	#		see 2N1152								
536942	#		see USA2N297A								
549122	OV9	5	2N1156 2N1156/953 412141-1 518147-3 549122 1876673	▼ ▼ ▼ ▼ ▼ ▼ OV9 OV1 T011 T011 OV9 T011	J66	▼ OV1	J143	▼ OV9			
563364-3	#		see 2N953								
604442-2	□	T011	5	2N734 2N738 2N1564 2N1572 628252	▼ T018 T018 T05 T05 ▼ T011	USN2N341M 2N1207 690TI-45	♦ T05 T05 T011	2N343 2N1700 ST4341	▼ T011 T05 T05	2N1206 2N2437	TO5 TO46

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604442-3	✓	TO5	5	2N245 2N342B ST4341	▼ TO11 CDQ10014 TO5 1876673	2N1206 CDQ10037 628253	TO5 RO63 TO11	2N1207 CDQ10037 ▼	TO5 RO63 TO5	2N1700 CDQ10044	TO5 RO63	
604442-4	✓	MS3	9	2N1900 2N1901 2N1902 2N1903 PT900 PT900-1	MT3 MT3 MT16 MT16 MT3 MT16	2N1810 2N1813 109UC	MT14 MT14 MT1a	2N1811 2N1814 109UD	MT14 MT14 MT1a	2N1812 109UB 386-1015P1	MT14 MT1a MS3	
604442-5	✓	TO9	5	2N619 2N756A 2N1074 2N1588 575-R680-H01 628255	▼ TO5 TO18 TO5 OV9 TO11 ▼ TO9	USN2N333 2N1155 CK474 TI481	TO5 OV9 TO5 TO11	2N750 2N1156 447475	u2 OV9 OV1	2N1154 CK419 TI480	OV9 TO5 TO11	
616664-2	✓	OV9	5	2N337 2N338 J334 690TI-9 TI904 447454	▼ TO5 TO5 RO34 ▼ OV9 ▼ OV9	2N118 USN2N334	OV6 TO5	2N161 2N1150	▼ TO9	USN2M333 594A4	▼ TO5 OV9	
617903-1	#			see 2N549								
617903-2		TO5	9	2N2201 2N2204 107-343-4	MD14 MT19 ▼ MT5	7F2 2N2034 2N2203	MT20 TO5 RO46	2N1650 2N2041 7F4	▼ MT11 TO5 MT20	2N2033 2N2202 1060460-4	TO5 RO45 ▼ MT5	
617907-2	✓	MT20	9	2N1484 2N1650 2N2201 2N2202 2N2203 2N2204	▼ MT11 MD14 RO45 RO46 MT19	2N1049 2N1049B 2N1050A 2N1050C 7F4	MT5 MT5 MT5 MT5 MT20	2N1049A 2N1049C USN2N1050A 2N1715 107-343-4	▼ MT5 MT5 MT5 T05 MT5	USN2N1049A 2N1050B 2N1719 1060400-4	MT5 MT5 MT5 MT13 MT5	
617963-1	✓	TO10	6	HK1K80	#	no replacement types available						
617978	✓	TO5	5	2N1566 2N1566A 2N1574 2N2439 RT5802 928104-3	TO5 TO5 ▼ TO5 TO46 ▼ TO5	2N736 2N740 2N930A	TO18 TO18 TO18	2N736A 2N740A 2N2464	TO18 TO18 TO18	2N736B 2N910	TO18 TO18	
617979-1	✓	TO5	5	2N2433 RT5803	▼ #	TO46 TO5	2N735A 2N1573 2N2463	TO18 TO5 TO18	2N739A 2N1644A SP8402	TO18 TO5	2N1420A 2N2435	TO5 TO46
620448-2	✓	OV9	5	2N754 2N755 2N912 J52 186-2363	TO18 TO18 TO18 # ▼ TO5	2N343 2N1975 99240-111	▼ TO11 TO5 TO11	2N758B 2N2520	TO18 TO46	2N1591 CK398	OV9 TO5	
624478		RO31	2	2N44A 2N189 USAF2N461 4JD1A17 TR650	▼ #	RO32 TO9 TO5	2N413 2N1413	TO5 TO5	2N524	TO5	2N1056	▼
628252	✓	TO11	5	2N734 2N738 2N1564 2N1572 604442-2	▼ TO18 TO18 TO5 TO5 ▼ TO11	USN2N341M ST4341	TO11 TO5	2N1206 690TI-45	▼ TO11	2N2437	TO46	
628253	✓	TO5	5	2N245 2N342B ST4341 604442-3	▼ TO11 TO11 TO5 TO5	2N1206 CDQ10014 1876673	TO5 RO63 TO11	2N1207 CDQ10037	TO5 RO63	2N1700 CDQ10044	TO5 RO63	
628254	✓	MS3	9			2N1722 2N1724/I 900201-129	▼ MS3 MT10 MS3	2N1724 2N2383	MT10 MS3	2N1722/I STC1024	MS3	
628255	✓	TO9	5	2N619 2N756A 2N1074 2N1588 575-R680-H01 604442-5	▼ TO5 TO18 TO5 OV9 TO11 ▼ TO9	USN2N333 2N1155 CK474 447475	TO5 OV9 TO5 OV1	2N750 2N1156 TI480	u2 OV9 TO11	2N1154 CK419 TI481	OV9 TO5 TO11	

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632246-2	T010	6			2N375 ▼ 2N1021 ▼ 2N1159 ▼ USN2N1412	T03 T03 T03 T03	2N637A ▼ 2N1022 ▼ 2N1362 T036	T03 T03 T03 T03	2N637B ▼ 2N1022A ▼ 2N1364 ▼ 2N2141	T03 T03 T03 T03
632526-1 #			see 2N1026							
632526-2 □	T05	4	2N1026 ▼ JAN2N1026M ▪ 2N1474A	T05 T05 T05	2N926 2N981 2028360-6 ▼	T018 T05	2N928 2N1474	T018 T05	2N939 2028360-5 ▼	T018 T05
632534-2 □	T024	2			2N581 2N968	T05 T018	2N817 908328	u8 T05	2N818	u9
NA632761 #			see 2196056							
723001-1 □	T09	3	2N438 ▼ 2N438A ▼	T05 T09	2N377 ▼ 2N439A	T05 T09	2N377A ▼ 2N440	T05 T05	2N439 ▼ 2N440A	T05 T09
723001-4 □	T05	3			2N356 ▼ 2N358 ▼ 2N587 763-1005	T05	2N357 ▼ 2N358A ▼ 2N635 T05	T05 T05 T09	2N357A ▼ 2N576A 2N636 ▼	T05 T05 T09
723001-5 #			see 2N1289		763-1005	T05	A99240-132 ▼	T09		
723001-7 □	T09	3	2N1302 USN2N1302 ▼ 2N1993	T05 T05 T05	2N444A ▼ 2N634A	T05 T05	2N556 2N1090	T05 T09	2N585 ▼ USN2N1304 ▼	T09 T05
723005-6 □	T031	2	2N601	T031	2N527 ▼ USN2N599M ▼ 2N2001	T05	2N598 ▼ 2N600	T09 T031	2N599 ▼ 2N1999	T09 T05
723005-7 □	T05	2	2N111 2N111A 2N464 ▼ 2N563 ▼ 2N1408	OV4 T05 T05	2N112 2N1413	OV4 T05	2N112A TR722	T05	2N413	T05
723005-8 □	T05	2	2N644 ▼ 2N645 ▼	T09 T09	2N398 ▼ 2N1300 GT-1811	T09 T05	2N643 2N1094	TO9 TO28	2N1158 763-1000-1 ▼	T09 T09
723005-9 #			see 2N1301							
723005-10 □	T05	2	USN2N1303 ▼	T05	2N505 202-333	T05	2N537 1980409 ▼	TO29 T09	2N1195 ▼	TO29
723005-18 □	T09	2	2N695 USN2N705 ▪ USN2N1303 ▼ 2N1450 T1939 ▼ SYL2120 723005-10 ▼	T017 T018 T05 T09 T09 T05	JAN2N428 ▼ 2N1646 2N1961	T05 T018 T05	2N506 2N1784	u1	2N980 2N1960	T018 u1
723020-5 □	N75	9	2N1647 2N1648 2N1886 2N2018 2N2019 2N2035 2N2036 2N2039	MT11 MT11 MT11 MT11 MT11 T08 T037 T05	2N1047 ▼ 2N1047B 2N1048A 2N1048C PT613	MT5 MT5 MT5 MT5 MT5 T08 T037	2N1047A 2N1047C 2N1048A PT601 STC1850	MT5 MT5 MT5 MT5 MT5 T08 T037	USN2N1047A ▼ 2N1048 ▼ 2N1048B ▼ PT612	MT5 MT5 MT5 T08
723020-7 □	T05	5	2N759 2N759B 2N2523	TO18 TO18 TO46	2N759A 2N1984	TO18 T05	2N911	TO18	2N929A	TO18
723020-8	RO8	5	2N750 2N748 2N958 2N2214 2N729	u2 u2 u5 T051 TO18	2N707 2N919	TO18 TO18	2N920	TO18	2N921	TO18
723025-1 □	X3	4			2N1196 2N1439 HA7725	T05 T05 X3	2N1197 2N1440 HA7531	T05 T05 T05	2N1232 HA7521 HA7734	T05 X3 X3
723025-10 #			see 2N1244							
723025-11 #			see 2N1229							
723025-12 □	T05	4	2N1118A 2N2165 2N2166	T05 T05 T05	2N495 ▼ 2N1429 2N2163	T01 T05 T05	2N1118 ▼ 2N1677 112-463	T05 T05 T01	2N1428 ▼ 2N2162 T1282 ▼	T01 T05 T01
723025-13 #			see 2N1275							
723025-18 □	T05	4	2N1441 ▼	T05	2N981		2N1230	T05	1303601-1 ▼	TO9
723045-2 □	T031	2	2N1123 ▼	T031	2N1495 2N2097	T09 T031	2N1496 2N2100	TO31 T09	2N1997	T05
723045-5 #			see 2N1172							

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723045-7	✓	TO11	2	no replacement types available								
723060-8	✓	MT5	9	2N1015C 2N1015D 2N1015E 05-990110 046H02 WX1015C	▼ MT1 ▼ MT1 MT1 ▼ MT1 ▼ MT1 ▼ MT1	2N1016C USA2N1016DM STC1015D	▼ MT1 MT1 MT1	USA2N1016CM 2N1016E	MT1 MT1	2N1016D STC1015C	▼ MT1 MT1	
723060-10	✓	MS3	9	2N1048 2N1048A USN2N1048A 2N1048B 2N1048C 422210	▼ MT5 MT5 MT5 MT5 MT5 ▼ MT5	94-079	▼ MS6					
723060-11	MS2	9	2N424A 2N424/I 2N424A/I 2N1211 2N1618 2N1620	MS3 MS3 MS3 MS2 ▼ MT10 ▼ MS2	USN2N424 2N1618A	▼ MS3 MT10	2N1616A	MT10	2N1617A	MT10		
741450-1	#		see 2N520									
741450-3	#		see GT1331									
741453-2	#		see GT1323									
741453-3	#		see GT1325									
752664-2	✓	TO36	6	JAN2N174 836709 2019614-2	▼ TO6 ▼ TO36 ▼ MT2	2N174A 2N1364 2156874	▼ TO36 ▼ TO3 ▼ TO3	2N375 2N1365	▼ TO3 ▼ TO3	2N1362 2N2148	TO3 TO3	
752852-2	✓	OV5	3	2N167 2N446	▼ OV5 TO5	2N27 2N1672	▼ N72 TO5	2N167A	▼ OV5	2N1622	▼ TO5	
836709	TO36	6	JAN2N174 752664-2 2019614-2	▼ TO6 ▼ MT2	2N375 2N1365	▼ TO3 ▼ TO3	2N1362 2N2148	TO3 TO3	2N1364 2156874	▼ □	TO3 TO3	
900201-53	✓	TO5	5	JAN2N498 2028367-1 2028367-2 2028367-3 2028367-5	▼ TO5 ▼ TO5 ▼ TO5 ▼ TO5 ▼ MD14	2N498A 2N2311	TO5 TO46	2N497A 2028267-6	▼ TO5 MD14	2N698 7632218A	▼ □	TO5 TO5
900201-65	✓	TO9	4	2N722 USN2N1132 2N1132B 928101-4	▼ TO18 TO5 TO5 ▼ TO5	2N1132A	TO5	2N2303	TO5	HA9532B	TO18	
900201-78	#		see 2N1243									
900201-84	#		see 2N1233									
900201-91	✓	TO5	4			2N1036 HA7543	▼ TO5 TO5	2N1443 2N1026A	▼ TO5 TO5	2N1475	TO5	
900201-103	✓	TO18	5	2N759A 2N911 2N2438 900201-104	TO18 TO18 TO46 ▼ TO18	2N758 2N759B	TO18 TO18	2N758A 2N929A	TO18 TO18	2N759	TO18	
900201-104	✓	TO18	5	2N759A 2N911 2N2438 900201-103	TO18 TO18 TO46 ▼ TO18	2N758 2N759B	TO18 TO18	2N758A 2N929A	TO18 TO18	2N759	TO18	
900201-124	#		see 2N343									
900201-127	#		see 2N327A									
900201-129	✓	MS3	9	2N2384 STC1024 628254	MS3 ▼ MS3	2N1675	TO32	2N2384	MT10			
900201-146	#		see 2N1048									
900201-167	TO18	5				2N735A 2N1573 2N2463	TO18 TO5 TO18	2N739A 2N2435 928104-2	▼ TO5 TO5	2N1565 2N2438 2196056	TO5 TO46 ▼ TO5	
900201-187	✓	TO18	4	2N1275 2N1655	▼ TO5 TO5	576-R047H01	▼ TO5	HA7540	TO5			
900232-1	#		see H5K1P6Q									
908014	✓	TO5	2	USA2N43A 2N188A 2N658	RO32 ▼ RO32 ▼ TO5	2N361 2N1274	TO5 TO9	2N427 T1796	▼ TO5	2N462 7733719-1	▼ TO9	
908181	✓	TO11	2	2N674	▼ RO2	2N670	▼ RO2					

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908287	✓	TO5	2	2N316A 2N524A	▼	TO5 TO5	2N61A 2N1123 2N1997	TO5 TO31 TO5	2N61B 2N1384 723045-2	TO5 TO11 TO31	2N61C 2N1478	TO5 TO9	
908288	✓	TO5	3	N107	#		2N357A 2N635	TO5 TO9	2N439 763-1005	TO5 TO5	2N587 8935905-3	TO5 TO5	
908291		TO15	6	3N45 3N46 3N47 3N48 3N49	▼	TO15 TO15 TO15 TO15 TO36	3N50	TO36	3N51	▼	TO36	3N52	TO36
908328	✓	TO5	2	3681	#		2N398 2N2042 GT1811	TO9 TO5 ▼	2N398A 2N2042A	TO5 TO5	2N1670 763-1000-1	▼	TO9 TO9
910520		TO1	2	2N779 2N964A 2N983 2N2169 2N2401 T1825 R-MD-0016-01#		TO18 TO18 TO18 TO9 TO18	2N501A 2N1008A 2N1347	TO1 TO5 TO5	2N829 2N1008B GT123	TO18 TO5 TO5	2N1008 2N1009	▼	TO5
911557-502	✓	RO32	2	4JD1E30	#		2N398B	TO5	2N1176B	TO5	2N1056	▼	
911914-01		TO18	2	2N501A 2N1500 2N1500/18 2N1865 2N1866 2N1867 T2347	#	TO1 TO9 TO18 TO9 TO9 TO9	2N964 2N2170	TO18 TO9	2N964A	TO18	2N983		TO18
928100-18	✓	TO5	5	2N697 2N699 2N1959 202-328 PMT214 S4058 SP8400	▼ ▼ ▼ ▼ # TO5	TO5 TO5 TO5 TO5 TO51	2N718A 2N870 2N2380A	TO18 TO18 TO5	2N720A 2N1644	TO18 TO5	2N731 2N2380		TO18 TO5
928101-4	✓	TO5	4	2N722 USN2N1132 2N1132B S4072 900201-65	▼ ▼ TO5 # ▼	TO18 TO5 TO5 TO9	2N1132A	TO5	2N2303	TO5	HA9532B		TO18
928101-5	✓	TO5	4	T50261	#		2N328A 2N1469 HA9059	TO5 TO5 TO18	2N940 JAN2N1469M 928101-8	TO18 TO5 TO5	2N1257 2N1475 2028360-1	▼	TO5 TO5 TO5
928101-6	✓	TO5	4	T50786	#		2N1233	TO5	BCY11	RO8	HA7633		TO5
928101-8	✓	TO5	4	928101-5 2028360-1 HA7584	▼ ▼ #	TO5 TO5 TO5	2N328A 2N1257 2N1475	TO5 TO5 TO5	2N940 2N1469 HA9059	TO18 TO5 TO18	2N1036 JAN2N1469M	▼	TO5 TO5 TO5
928101-9	✓	TO5	4	472-0145 QR2615	▼	TO1	2N1025 2N1222 2N1234 2N1643	TO5 TO5 TO5 TO5	JAN2N1025M 2N1230 2N1275 576-R047H01	TO5 TO5 TO5 TO5	2N1034 2N1232 2N1440 T-2100	▼	TO5 TO5 TO5 TO1
928101-10	✓	TO5	5	2N956 2N1420A 2N2645 S4031	#	TO18 TO5 TO18	2N1972 2N2540	TO5 TO18	2N2390	TO50	2N2538		TO5
928101-11	✓	TO5	5	2N336 2N841 2N2460 2N2522 ST1069 928110-2	▼ ▼ TO5 TO46 TO46	TO5 TO18 CDQ10027	2N543 2N740 TO46 TO46	TO5 TO18 RO63	2N543A 2N930A	TO5 TO18	2N736A 2N2524		TO18 TO46
928101-12	✓	TO5	5	JAN2N656 2N656A JAN2N657 2N657A	▼ ▼ TO5 ▼	TO5 TO5 TO5 TO5	2N1253A 2N2312	TO5 TO46	2N2087 2N2313	TO5 TO46	2N2239 575-R523H02	▼	TO37

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928104-2	✓	TO5	5	2N1565 2N1573 J3215 S4464 SP8401 SP8402 2196056	# # # # # # #	TO5 TO5 TO5 TO5 TO5 TO5 TO5	2N2438	TO46	RT5212	TO5			
928104-3	✓	TO5	5	2N740 2N1566 2N1574 2N2464 J3216 SP8401	▼ # # # #	TO18 TO5 TO5 TO18 TO5	2N1566A	TO5	2N2436	TO46			
928110-2	✓	TO5	5	2N841 2N2460 2N2522 2N3364 ST1082 928101-11	# # # # # #	TO18 TO46 TO46 CDQ10027 TO5	2N543 2N740 2N930A	TO5 TO18 R063	2N736A 2N2524	TO18 TO46			
928201-1	MT7	6	2N173 2N1099 2N1980 2N1981 2N1982 H10C1B	▼ ▼ ▼ ▼ ▼ #	TO36 TO36 TO36 TO36 TO36 TO36	2N2079 2N2080A 2N2153 2N2154A 2N2491 1978820	TO36 TO36 TO36 TO36 TO36 TO36	2N2079A 2N2081 2N2153A 2N2155	TO36 TO36 TO36 TO36	2N2080 2N2081A 2N2154 2N2155A	TO36 TO36 TO36 TO36		
928201-3	TO19	6	2N540 2N540A 2N1202 H5B7X0M H5E3 1979813	▼ ▼ ▼ # ▼ ▼	TO10 TO10 TO10 TO10 TO10 MT7	2N418 2N2212 2N2295	TO3 TO41 TO41	2N420A 2N2292 2N2296	TO3 TO3 TO41	2N1543 2N2293	TO3 TO3		
928201-4	TO5	2	2N600 2N601 2N661 T50725	▼ ▼ ▼ #	TO31 TO31 TO5	2N599	TO9	USN2N599M	TO9				
928201-5	RO28	6	2N553 2N665 JAN2N665 2N1044-2X 2N1182 16T2B CTP1730 1980408	▼ ▼ ▼ # ▼ ▼ ▼ ▼	MD1 TO3 TO3 TO3 TO3 MM3 MS7 MT27	2N235B 2N1184B 2N1757 CST1789	TO3 TO8 MS7 MS7	2N236B 2N1202 16T2C	TO3 TO10 MM3	2N1184A 2N1756 CTP1150	TO8 MS7		
928201-6	MS1	6	2N1046X 2N1760 2N1761 2N1762 16T9 ST113 CTP1150	# MS7 MS7 MS7 # # #	MS7 MS7 MS7 TO10 MS7	2N1360 2N2144 2N2145A TS798	TO3 TO3 TO3 TO10 MD1	2N1363 2N2144A 2N2146 CTP1736	TO3 TO3 TO3 MS7	2N1905 2N2145 2N2146A	TO3 TO3 TO3		
928220-1	#		see JAN2N539M										
928220-2	✓	TO5	3	2N358	▼	TO5	2N356 2N567	TO5	2N357 2N1473	TO5	2N358A	▼	TO5
940883-305	TO5	2	JAN2N428 202-333 T50271	▼♦ ▼ #	TO5 TO5	2N501/18 USN2N705 723005-10	TO18 TO18 TO5	2N505 2N1195	TO29 TO29 TO9	2N537 USN2N1303	▼	TO29 TO5	
940884-305	TO5	3	2N1012 LT5237 A99240-132	# # #	TO5 TO9	2N1299	TO5						
965927-401	MT2	6	2N1412 2N2075 2N2075A 2N2492 2N2493 7271744	▼ # # # # #	TO36 TO36 TO36 TO36 TO36 TO6	USN2N1412	TO36	CTP1500	TO3	CTP3500	TO41		
966179-501-5	TO1	4	2N1118A 2N2165 2N2166 723025-12	TO5 TO5 TO5 TO5	TO5 TO5 TO5 TO5	2N495 2N1429 2N2163	TO1 TO5 TO5	2N1118 2N1677 112-463	TO5 TO5 TO1	2N1428 2N2162 T1282	▼ ▼ ▼	TO1 TO5 TO1	

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966295-501	TO5	9	J391	#	2N1050 2N1050C 2N2203 1060460-4	▼ MT5 MT5 RO46 MT5	2N1050A USN2N1050A 2N2204 2N2201	♦ MT5 MT5 MT19 MD14	2N1050B 2N2202 107-343-4	MT5 RO45 MT5	
998772	□	TO5	5	2N736 2N760 2N760B 2N1704	TO18 TO18 TO18 TO5	2N336A CDQ10010	▼ TO5 RO63	2N338A CDQ10028	TO5 RO63	2N910	TO18
1005022	#			see 1876673							
1020278	#			see 2N1015D							
1021712-1	□	TO11	2	3645	#	2N1495	TO9	2N2097	TO31	2N2100	TO9
1022141	#			see 2N424							
1032972	#			see 2206323							
1049301	#			see 2N1099							
1060460-1	#			see 2N1047							
1060460-2	#			see 2N1048							
1060460-3	#			see 2N1049							
1060460-4	□	MT5	9	2N1050 2N1050A USN2N1050A 2N1050B 2N1050C 107-343-4	▼ MT5 MT5 MT5 MT5 MT5 MT5	2N2018 2N2021	MT11 MT11	2N2019	MT11	2N2020	MT11
1066364	TO23	2	2N370/33 2N535 2N535A 2N535B 2N1673 T0021 T0051	TO33 ▼ TO23 TO23 TO23 TO33 ▼ #	2N369 2N1177	▼ OV9 TO45	2N534 2N1515	▼ TO23 TO7	2N987	RO38	
1083792	#			see 2038120							
1288976-2	TO5	5	2N118 USN2N333 2N1151 575-R463-H02/□ CDQ10003	OV6 ▼ TO5 OV9 TO5 RO63	2N335 2N2530 1288976-5	▼ TO18 ▼ TO5	2N1150 T334 1979817-2	▼ ▼ ▼ TO5	2N1277 620448-2 2073262	▼ TO5 ▼ TO5	TO5 OV9
1288976-5	TO5	5	USN2N333 USN2N334 2N337 2N338 J334	▼ ▼ TO5 TO5 TO34	2N1150 CDQ10003	▼ OV9 RO63	2N1277 1288976-2	▼ TO5	2N2530	TO18	
1303601-1	TO9	4	2N1441 723025-18	▼ ▼ TO5	2N328	▼	2N328A	▼	USA2N328A	▼	
1486157	#			see 2N539A							
1618831-1	TO9	2	2N659	▼	TO5	2N427 2N662 2N1357	▼ TO5 TO5	2N428 2N1171 CK911	▼ ▼ ▼ TO5	2N660 2N1317	TO5 TO5
1653139-1	TO5	2	2N658 2N1057 2N1447 2N1452	▼ TO5 TO5 TO5	2N525 RO32 2N1448	▼ TO5 TO5	JAN2N526 2N1451	▼♦ TO5	2N633 21371	▼ TO5	TO5 TO5
1653139-2	TO5	2			2N224 2N1123 8935913	▼ ▼ ▼ TO11	TO25 TO31 RO27	2N225 2N1997	TO25 TO5	2N597 723045-2	▼ TO9 TO31
1655229	#			see 2N1252							
1655248	#			see 2N699							
1693117		2	2N524A 2N525A 2N586 1021712-1	TO5 TO5 TO27 ▼ TO11	2N1495	TO9	OC123	TO7			
1776461-2	□	TO10	6	2N538 2N538A 2N539 2N539A JAN2N539M JAN2N539AM 928201-3	TO10 ▼ TO10 ▼ TO10 ▼ TO10	2N540 2N1261 H5	▼ TO10 #	2N540A 2N1263	▼ ▼ TO10 TO10	2N1203 7733718-1	▼ ▼ TO10 TO10
1876673	□	TO11	5	J639 ST5037 412141-1 1005022	# # ▼ #	J66	▼ OV1	J143	▼ OV9		

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1978820	✓	MT7	6	H10C1B #	2N1099 2N2079A 2N2154 2N2155A	▼ TO36 TO36 TO36 TO36	2N1982 2N2080 2N2154A	TO36 TO36 TO36	2N2079 2N2080A 2N2155	TO36 TO36 TO36	
1978849	✓	N77	6	2N158 2N528 2N1183 2N1183A 2N1183B 2237433	MM3 TO38 TO8 TO8 TO8 ▼✓	2N141/13 2N255A 2N1504	TO13 TO3 ▼ MT12	2N158A 2N256 2N1504/10	MM3 TO3 TO10	2N255 2N256A LT5043	▼ TO3 TO3
1979813	✓	MT7	6	2N540 2N540A 2N1202 H5E3 928201-3	▼ TO10 TO10 TO10 TO10 ▼ TO10	2N418 2N2212 2N2295	TO3 TO41 TO41	2N420A 2N2292 2N2296	TO3 TO3 TO41	2N1543 2N2293	TO3 TO3
1979815	✓	X3	4	HA7508 HA7515 HA7521 HA7731 2041821-5 2041821-6	# X3 X3 X3 X3 X3						
1979817-2	✓	TO5	5	2N334 2N335A 2N335B 2N745 4C30 CDQ10005	▼ TO5 TO5 TO5 u2 TO5 RO63	2N335 2N758A CDQ10008	TO5 TO18 RO63	2N337A 8T45 2073262	▼ TO5 TO5	2N758 MT911	TO18 u13
1979824	✓	TO11	5	2N245 2N342A 2N342B J143 412141-1 1876673	▼ TO11 TO11 TO11 ▼ TO11 ▼✓ TO11	JAN2N342	TO11	J66	▼✓ OV1	CDQ100037	RO63
1980400P1	#			see 2237433							
1980401	✓	TO5	2	2N427 2N1171 7733719-1	▼ TO5 TO5 ▼✓ TO9	2N518 2N1351	RO32	2N659 1618831-1	▼ TO5 TO9	2N662	TO5
1980402	✓	TO5	3	2N440 2N440A	▼ TO5 TO9	2N438 2N439A	TO5 TO9	2N438A 2N1059	▼ TO9 TO22	2N439 8935905-1	▼✓ TO5
1980407-1	✓	MT13	9	2N1720 2N1721 ST4094A	MT13 MT13 #	2N1485 2N1717 MHT4515	TO8 TO5 MT9	2N1486 2N2020 MHT4518	▼ TO8 MT11 MT9	2N1716 2N2021	TO5 MT11
1980408	✓	MT27	6	2N553 16T2B S189 CTP1730	▼ MD1 MM3 # MS7	2N235B JAN2N665 2N1184B 2N1757 CST1789	TO3 TO3 TO8 MS7	2N236B 2N1182 2N1202 16T2C 928201-5	▼ TO3 TO3 TO10 MM3 RO28	2N665 2N1184A 2N1756 CTF1150	▼ TO3 TO8 MS7
1980409	✓	TO9	2	2N501/18	TO18	2N537 2N1678	TO29 TO9	2N1017	▼ TO5	2N1385	TO5
1980410-5	✓		5	2N480 2N759 2N759B 2N2523 ST1170A CDQ10024	▼ TO5 TO18 TO18 TO46 # RO63	2N759A 2N1984	TO18 TO5	2N911 PMT220	TO18 TO51	2N929A 723020-7	▼✓ TO18 TO5
1980410-6	✓		5	2N480 2N759 2N759B 2N2523 ST1174A CDQ10024	▼ TO5 TO18 TO18 TO46 # RO63	2N759A 2N1984	TO18 TO5	2N911 PMT220	TO18 TO51	2N929A 723020-7	▼✓ TO18 TO5
1980414	✓	TO3	6	2N1146B 2N1146C 2N1147B 2N1147C	TO3 TO3 TO41 TO41	2N2212 2N2295	TO41 TO41	2N2292 2N2296	TO3 TO41	2N2293 129499	▼ TO3 TO3
2012845-1	MM3	6	2N158 2N158A 2N1504 2N1504/10 LT5043	▼ MM3 MM3 MT12 TO10 ▼	2N1437 2N1466 CK312 CK412 CK415	TO13 TO10 MM3 MT12 MT12	2N1438 CK258 CK313 CK413	TO10 MT12 MM3 MT12	2N14.5 CK311 CK314 CK414	TO13 MM3 MM3 MT12	

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2016335-2	✓	T05	5	JAN2N343 J311 J502 # ST4136 99240-111	▼ ▼ # # ▼ ▼	T011 T011	CDQ10011 CDQ10015	R063 R063	CDQ10012	R063	CDQ10013	R063
2016338-1		T05	5	2N119 2N335 2N2531 CDQ10007 1980410-5 1980410-6	▼ ▼ ▼ RO63	OV6 T05 T018 PMT220	2N480 2N759 2N2523 CDQ10024	T05 T018 T046 R063	2N759 575R463H04 723020-7	TO18 TO5 TO63	2N759A 575R463H04 723020-7	TO18 TO5 TO5
2016482-1	#			see 2W341								
2016719-1	✓	RO33	11	2N490 USAF2N490 2N490A 2N490B	▼ ▼ RO33 RO33	RO33 T05 RO33 RO33	2N492 2N492B 2N494 2N494A	RO33 RO33 RO33	USAF2N492 2N494 2N494B	TO5 RO33 RO33	2N492A USAF2N494	RO33 TO5
2016785-1	✓	T05	5	2W338 2N843 2N2459 2206323	▼ ▼ T05	T05 T018 T046 ▼	2N735A 2N2463	TO18 TO18	2N739A RT697AM	TO18 TO46	2N762 TMT843	TO18 u5
2019249-1		MS3	9	2N389 2N389/I 2N389A USN2N424 2N424/I 2N424A 2N424A/I	MS3 MS3 MS3 ▼ MS3 MS3 MS3	2N1015A 2N1015D WX1015C	▼ ▼ ▼ MT1	2N1015B 2N1015E WX1015D	▼ ▼ ▼ MT1 MT1 MT1	2N1015C 386-1015P1 604442-4	▼ ▼ ▼ MT1 MS3 MS3	
2019614-1	#			see 2N174A								
2019614-2	✓	MT2	6	JAN2N174 2N174A 2N2148 752664-2 836709	▼ ▼ ▼ ▼ ▼	T06 T036 T03 T036 T036	2N375 2N1365	▼ ▼ ▼ T03 T03	2N1362 2156874	▼ ▼ T03 T03	2N1364	▼ TO3
2019646	✓	T05	2	2N398 2N398A	▼ ▼	T09 T05	2N1670 763-1000-1	▼ ▼ T09	2N2042 GT1811	▼ ▼	2N2042A 908328	▼ TO5
2020728	✓	MT28	6	2N1042 2N1042-1 2N1042-2 2N1043 2N1043-1 2N1043-2	▼ ▼ ▼ ▼ ▼ ▼	MT6 MT27 MT6 MT6 MT27 MT6	2N1044 2N1045 2N2560 2N2563	▼ ▼ ▼ ▼ MT27 MT27	2N1044-1 2N1045-1 2N2561 2N2564	▼ ▼ ▼ ▼ TO11	2N1044-2 2N1045-2 2N2562 MT27	MT6 MT6 MT6 MT27
2028360-1	✓	T05	4	928101-5 928101-8	▼ ▼	T05 T05	2N329A 2N1257 2N1475	▼ ▼ ▼ T05 T05	2N940 2N1469 HA9059	▼ ▼ ▼ T05 T05 T018	2N1036 JAN2N1469M	▼ TO5
2028360-2	✓	T05	4	2N329A 3CY11	▼ ▼	T05 R08	2N329 2N1243 HA9059	▼ ▼ ▼ X3 T018	2N1233 2N1241 2N1259	▼ TO5 TO5	2N1241 2N2425	X3 TO5
2028360-4	#			see 2N329A								
2028360-5	✓	T05	4	2N328A 2N936 2028360-6	▼ ▼ ▼ ▼	T05 T018 T05	2N330A HA7631 928101-5	▼ ▼ ▼ T05 T05 T05	2N1442 HA7541 928101-8	▼ ▼ ▼ T05 T05 T05	2N1477 HA7542	TO5 TO5
2028360-6	✓	T05	4	2N328A 2N936 2028360-5	▼ ▼ ▼	T05 T018 T05	2N1442 HA7541 928101-8	▼ ▼ ▼ T05 T05 T05	2N1477 HA7542	▼ T05 T05	2N1477 HA7631 928101-5	TO5 TO5
2028361-1	✓	T05	5	2N543 4C31 CDQ10027	▼ ▼ ▼	T05 T05 R063	2N336 2N910 2N1594 575-R463-H05 928110-2	▼ ▼ ▼ ▼ ▼	2N543A 2N841 OV9 2N2524 TMT841	▼ ▼ ▼ ▼ T05	2N736A 2N930A 2N2532 928101-11	TO18 TO18 TO46 TO5
2028361-3		MD14	5	2N2534 4C31 2028361-1	▼ ▼ ▼	T018 T05 T05	2N338A	▼ T05	2N746	u2	MT910	u13
2028362-1	✓	T05	5	2N915 TMT843	▼ ▼	T018 u5	8A100 2206323	▼ ▼ T05	L2 TI495	T05	2016785-1	▼ TO5
2028367-1	✓	T05	5	JAN2N498 2028367-2 2028367-3 2028367-5 2028367-6	▼ ▼ ▼ ▼ ▼	T05 T05 T05 MD14 MD14	2N497A 2N498/C 7632218A MD14 MD14	▼ ▼ ▼ ▼ T05	2N498 2N698	▼ T05 T05	2N498A 900201-53	▼ TO5

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2028367-2	□	T05	5	JAN2N498 2028367-1 2028367-3 2028367-5 2028367-6	▼♦ ▼✓ ▼✓ ▼✓ ▼✓	T05 T05 T05 MD14 MD14	2N497A 2N498/C 7632218A ▼ T05	2N498 2N698	▼ T05 T05	2N498A 900201-53	▼□ T05 T05	
2028367-3	□	T05	5	JAN2N498 2028367-1 2028367-2 2028367-5 2028367-6	▼♦ ▼✓ ▼✓ ▼✓ ▼✓	T05 T05 T05 MD14 MD14	2N497A 2N498/C 7632218A ▼ T05	2N498 2N698	▼ T05 T05	2N498A 900201-53	▼□ T05 T05	
2028367-5	□	MD14	5	JAN2N498 2028367-1 2028367-3 2028367-2 2028367-6 7632218A	▼♦ ▼✓ ▼✓ ▼✓ ▼✓ ▼✓	T05 T05 T05 T05 MD14 T05	2N497A 2N498/C ▼ T05	2N498 2N698	▼ T05 T05	2N498A 900201-53	▼□ T05 T05	
2028367-6	□	MD14	5	JAN2N498 2028367-1 2028367-2 2028367-3 2028367-5 7632218A	▼♦ ▼✓ ▼✓ ▼✓ ▼✓ ▼✓	T05 T05 T05 T05 MD14 T05	2N497A 2N498/C ▼ T05	2N498 2N698	▼ T05 T05	2N498A 900201-53	▼□ T05 T05	
2028539	□	RO28	6	2N553 16T2B 928201-5 1980408	▼ ▼ ▼ □	MD1 MM3 JAN2N665 RO28 MT27	2N235B JAN2N665 2N1202 2N1756 16T2C	T03 T03 T010 T08 T05	2N236B 2N1039 2N1184A MS7 CTP1150	T03 T03 T08 MS7 CST1789	2N665 RO62 2N1182 2N1184B CTP1150	▼ T03 T03 T08 MS7
2029155-1		T05	5	2N657 JAN2N657 2N657A 2N657/C 2029155-2	▼ ♦ ▼ ▼ ▼	T05 T05 T05 T05 T05	2N498A 2N699B 2N2243 RT5003 16T2C	T05 T05 T05 T05 T05	2N698 2N1893 2N2243A 8935908-1	T05 T05 T05 T05	2N699A USN2N1893 RT5004 8935908-2	▼♦ T05 T05 T05
2029155-2		T05	5	2N657 JAN2N657 2N657A 2N657/C 2029155-1	▼ ♦ ▼ ▼ ▼	T05 T05 T05 T05 T05	2N498A 2N699B 2N2243 RT5003 16T2C	T05 T05 T05 T05 T05	2N698 2N1893 2N2243A 8935908-1	T05 T05 T05 T05	2N699A 2N1893 RT5004 8935908-2	▼♦ T05 T05 T05
2031039	□	MT3	9	2N1015D 2N1015E 05-990110 STC1015D WX1015D	▼ MT1 MT1 ▼ MT1	MT1 MT1 MT1 MT1 MT1	2N1016D 2N2580	▼ MT1 T036	USA2N1016DM STC1016D	MT1 MT1	2N1016E	MT1
2031157	#			see 2N317								
2031170	#			see 2N597								
2038120	□	TO24	2	T1328 T2069 1083792	▼✓ # #	TO24	2N499 2N1406 2N2363 2N1405	▼ TO12 RO38 TO12	2N700 2N1407 T1073	TO17 TO12 TO24	2N700A T2352 L5129	▼ TO9 TO24
2039610		T05	5	2N1249 2N2427 532-001-001 #		TO18	2N780 2N2251	TO18 TO18	2N2245 2N2254	TO18 TO18	2N2248	TO18
2041821-5	X3	4	2N1242 532-000-035 # HA7524	▼ X3 #	X3	2N1243 HA7521	▼ X3	HA7515 HA7731	X3 X3	HA7516	X3	
2041821-6	X3	4	532-000-036 # HA7525	#		2N1244	▼ X3	HA7515	X3	HA7517	X3	
2073262		T05	5	TMT842	u5	2N335 2N907 2N1962/46 1979817-2	▼ u10 TO46 TO5	2N734 2N1051 2N2368	TO18 TO29 TO18	2N839 2N1962 1288976-2	▼ u1 TO5	
N2088262-4	□	T05	3	GT35	#		2N35 2N184 2N229 2N1217	▼ TO22	2N167 2N213 2N306 2N1391	OV5 TO22 TO22 TO5	2N169 2N228 2N449 2N1622	▼ TO22 TO5
2088262-2	#			see 2N525								
2088262-3	#			see 2N440								
2088262-7	#			see 2N333								
2088262-8	#			see 2N416								
2088262-11	#			see 2N385								
2088262-12	#			see 2N327A								

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2088262-13 #			see 2N1034								
2088262-14 #			see 2N1074								
2088262-15 #			see 2N1035								
N2088265-1 #			see 2N169A								
N2088265-2 □	OV5	3	2N1391 4JX2A806A # N2088265-3 ▼□	TO5 OV5 GT167	USAF2N78A USAF2N167A 2N377A GT167	OV5 OV5 TO5 TO5	2N167 2N366 2N634 TO9	▼ ▼ ▼ ▼	2N167A 2N377 2N634A	▼ ▼ TO5 TO5	
N2088265-3 □	OV5	3	4JX2A832 # N2088265-2 ▼□	OV5	USAF2N78A USAF2N167A 2N377A GT167	OV5 OV5 TO5 TO5	2N167 2N366 2N634 TO9	▼ ▼ ▼ ▼	2N167A 2N377 2N634A	▼ ▼ TO5 TO5	
2088276-1 #			see 2N268								
2088276-3 □	MD8	6	2N1136B 2N1137B 2N1146C ▼ 2N1147C 2N2146 2N2146A 4096-3037 □	TO3 TO3 TO3 TO41 TO3 TO3 TO3	2N1363 CDT1315	TO3 TO3	2N2145 CTP1520	▼ ▼	2N2145A 1979813	▼□ TO3 MT7	
2088276-6 #			see 2N235A								
2088276-8 #			see 2N301								
2088276-9 #			see 2N326								
N2088436-2 □	TO13	7	SYL1603 #		2N1218 2N1296 2N1325	TO3 TO3 TO10	2N1292 2N1321 2N1330	▼ ▼ ▼	2N1294 2N1323	TO3 TO10	
2111275 □	TO3	6	2N268 ▼ 2N268A ▼ 2N459 ▼ CTP1112 ▼	TO3 TO3 TO3 TO3	2N463 2N638B 2N2528	TO32 TO3 TO3	USN2N463 2N2526	TO32 TO3	2N638A 2N2527	TO3 TO3	
2156874 □	TO3	6	2N375 ▼ 2N1021 ▼ 2N1021A 2N1022 ▼ 2N1022A	TO3 TO3 TO3 TO3 TO3	2N174 2N1358 ▼ 2N2079 2N2080A	TO36 TO36 TO36 TO36	2N1099 2N1537 ▼ 2N2079A 251M1	TO36 TO3 TO36 TO36	2N1159 2N1537A 2N2080	▼ TO3 TO3 TO36	
2157257-1 □	TO5	11	2N1640 2N1641 2N1642 2N2474	TO5 TO5 TO5 TO5	C103 C202	TO5 TO5	C106 C301	TO5 TO5	C201 C401	TO5 TO5	
2188043 #			see 202-328								
2196056 □	TO5	5	2N1565 2N1573 2N2438 NA632761 # SP8402 SP8401	TO5 TO5 TO46 TO5 TO5	2N2463	TO18	RT5212	TO5	928104-2 □	TO5	
2206323 □	TO5	5	2N843 2N2459 J621 # 1032972 #	TO18 TO46 2016785-1 □ TO5	2N735A 2N2463 RT697AM	TO18 TO18 TO5	2N739A RT697AM	TO18 TO46	2N762 TMT843	TO18 u5	
2237433 □		6	2N158 ▼ 2N158A ▼ 2N528 2N1183 ▼ 2N1183A 2N1183B GA53242 # 1978849 ▼ 1980400P1 #	MM3 MM3 TO38 TO8 TO8 TO8 # #	2N141/13 2N256 2N1504/10	TO13 TO3 TO10	2N255 2N256A LT5043	▼ ▼ ▼	2N255A 2N1504	TO3 TO3	
2243255	TO5	2	2N652 ▼ 2N655 2N1188 ▼ TR652 #	TO5 TO5 TO5 #	2N383 2296650	▼ ▼	TO5 TO5	2N2374	TO5	2N1955	TO5
2264043 □	TO5	4	532-000-276 #		2N941 2N944 2N1917 2N1920	TO18 TO18 TO5 TO5	2N942 2N945 2N1918 2N1921	TO18 TO18 TO5 TO5	2N943 2N946 2N1919 2N1922	TO18 TO18 TO5 TO5	
2296650	TO5	2	USN2N651A	TO5	2N1955	TO5	ZA97600 ▼□	TO5			
2350739-2 #			see 2N35								

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♦ — PREFERRED TYPE — MIL-STD 701

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1A. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT					
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
2376180-2	TO24	2	2N846 2N846A DAS3540	TO18 TO18	JAN2N501A 101B	▼ TO1 TO18	2N846B 101M	TO18 TO18	101A	TO18
3068333	□	TO18	11	4JX10B542 SM0154 NS760	# # #	2N1468 NS1110	TO5 TO18	PADT51	TO7	CK277
7226638	MT14	9	2N1812 2N1813 2N1814 2N2112 2N2113 2N2114	MT14 MT14 MT14 MT17 MT17 MT17	109UD	MT1a				
7271744	TO6	6	2N1100 2N1412 2N2075 2N2075A 2N2492 2N2493	TO36 TO36 TO36 TO36 TO36 TO36	USN2N1412 965927-401	▼ TO36 TO36	CTP3500	TO41	CTP1500	▼ TO3
7276207	■		see 352-0043-00							
7632218A	□	TO5	5	JAN2N498 2028367-1 2028367-2 2028367-3 2028367-5 2028367-6	▼ ■ ■ ■ ■ ■	TO5 TO5 TO5 TO5 MD14 MD14	2N497A 900201-53	▼ TO5 TO5	2N498A	▼ TO5
7733718-1	□	TO10	6	2N538 2N538A 2N1261	▼ ■ ■	TO10 TO10 TO10	2N297 USN2N463 2N639B	▼ TO3 TO32 TO3	2N419 2N639A 2N2066	▼ TO3 TO3
7733719-1	□	TO9	2	2N427 2N1171 CK880	▼ ■ ■	TO5 TO5	2N518 2N1351	RO32	2N659 1618831-1	▼ TO5 TO9
8935901-1	□	TO3	6	2N268 2N268A 2N459 DEP01	▼ ■ ■ ■	TO3 TO3 TO3	2N463 2N638B 2N2528	TO32 TO3 TO3	USN2N463 2N2526 2111275	▼ TO32 TO3
8935903-1	□	TO5	5	2N1565 DEPO3 RT697AM SP8401 SP8402 928104-2 2196056	■ # # # # # #	TO5 TO46 TO5 TO5 TO5 TO5	2N708A 2N762 2N1573 2N2509	TO18 TO18 TO5 TO18	2N735A 2N843 2N1644A	TO18 TO18 TO18
8935903-2	□	TO5	5	2N740 2N1566 2N1574 2N2464 DEP03A SP8401 928104-3	■ ■ ▼ ■ ■ ■ ■	TO18 TO5 TO5 TO18	2N736B 2N2436 2N2519	TO18 TO46 TO46	2N740A 2N2460	TO18 TO46
8935904-1	□	TO5	3	2N587 DEP04 8935905-3	■ # ■	TO5 TO5	2N357 763-1005	▼ ■ TO5	2N357A 908288	▼ TO5 TO5
8935905-1	□	TO5	3	DEP05	■		2N214 2N440 A99240-132	▼ ■ ■	2N385 2N440A	▼ TO5 TO9
8935905-2	□		3	2N1012 DEP05A 99240-132	■ # ■	TO5 TO9	2N356A 302B	▼ TO9	2N587 8935905-1	▼ TO5 TO5
8935905-3	□	TO5	3	2N587 DEP05B 8935904	■ # ■	TO5 TO5	2N357 2N635	▼ TO9	2N357A 763-1005	▼ TO5 TO5
8935906-1	□	TO1	2	2N584 2N1301 DEP06	■ ▼ ■	TO1 TO5	2N138 2N819 2N972 2N1854	TO22 u8 TO18 TO5	2N404 2N820 2N973 PADT40	▼ TO5 TO18 TO18 TO18
8935907-1	□	TO5	2	DEP07	■		2N398A 2N2042A	TO5 TO5	2N398B B1154	TO5
									2N2042	TO5

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IA. TRANSISTOR REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT		SIMILAR REPLACEMENT						
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
8935908-1	✓	T05	5	DEP08 # 8935908-2	▼✓ T05	2N341 ▼ 2N657A ▼ 2N698A 2N2438	T011 T05 T05 T046	2N657 ▼ 2N657/C ▼ 2N2008 CDQ10013	T05 T05 T05 RO63	JAN2N657 ♦ 2N698 2N2443 534767-1 ▼	T05 T05 T05 T011
8935908-2	✓	T05	5	8935905-1 DEP08A	▼✓ T05	2N341 ▼ 2N698 2N2438	T011 T05 T046	JAN2N657 ♦ 2N698A 2N2443	T05 T05 T05	2N657A ▼ 2N2008 CDQ10013	T05 T05 RO63
8935910-1	✓	T05	2	DEP10 # 8935910-2	▼✓ T05	2N582 ▼ 2N1142 ▼ 2N1854	T05 T05 T05	2N972 2N1143 534767-1 ▼	T018 T05 T011	2N1141 2N1301	T05 T05 T05
8935910-2	✓	T05	2	DEP10A # 8935910-1	▼✓ T05	2N582 ▼ 2N1142 ▼ 2N1854	T05 T05 T05	2N972 2N1143	T018 T05	2N1141 2N1301	T05 T05
8935911-1	✓	T05	2	2N1384 DEP11 8935911-2	▼✓ T05	USAF2N43A T011 2N526A 2N1478 2N2100	RO32 T05 T09 T09	2N316 2N580 2N1495 102B	T05 T09 T09 TQ16	2N316A ▼ 2N597 2N2097	T05 T09 T09 T031
8935911-2	✓	T05	2	2N1384 DEP11A 8935911-1	▼✓ T05	2N316 T011 2N2100	T05 T09	2N316A ▼ 102B	T05 T016	2N597 ▼	T09
8935912-1		MT7	6	DEP12 #		2N1159 ▼ 2N1536 2N1537A	T03 T03 T03	2N1535 2N1536A 2N1538	T03 T03 T03	2N1535A 2N1537 2156874	T03 T03 T03
8935913	✓	RO27	2	2N597 2N1123 DEP13	▼ T09 ▼ T031 # T01	2N59B T05 723045-2	T05 T05 ▼ T031	2N59C T05 2N1495	T05 T09	2N60B 2N1999	T05 T05
8935914	✓	T05	2	2N520A 2N1404 2N1449 75-200 763-1000-9 DEP14	▼ T05 T05 T05 ▼ T09 ▼✓ T01 # T05	2N582 ▼ SYL1690	T05	2N1448	T05	2N1452	T05
8935915-1	✓	T05	2	2N1141 2N1142 2N1143 2N1195 DEP15 8935915-2 8935915-3	▼ T05 ▼ T05 T05 ▼ T05 # T029 ▼✓ T05 # T05	2N284 T05 T05 T029	▼ T05	2N284A 2N509	▼ T05	2N381 2N537	T05 TO29
8935915-2	✓	T05	2	2N1141 2N1142 2N1143 2N1195 DEP15A	▼ T05 ▼ T05 T05 ▼ T05 # T029	2N284 T05 T05 T029	▼ T05 8935915-1	2N284A 2N509 8935915-3	▼ T05	2N381 2N537	T05 TO29
8935915-3	✓	T05	2	2N1142 2N1143 2N1195 DEP15B 8935915-1 8935915-2	▼ T05 ▼ T05 ▼ T05 # T029 ▼✓ T05 ▼✓ T05	2N284 T05 T05 T029 2N404	▼ T05	2N284A 2N537	T029	2N381 2N1141	T05 T05

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1/4M2.4AZ	A22a	13	1N465 PS1175	▼ C1 A48c	1N465A2 SV3143A	▼ C1 A45	1N702A 720670-35	▼ D07 A21	HS12		
1/4M6.8Z5	A21	13	1N470A SV126 8991178-8	▼ C1 A1 A23	1N754A SV226	▼ A1 D07	USN1N754A 911D18-3	▼♦ A1	1N3514 2019613-5	▼ D07 A1	
1/4M7.5Z5	A21	13	1N755A FZ7.5T5 SV1010	▼ A1 A21c	USN1N755A QZ7.5T5 1979832-5	▼♦ A1 A21c A27	1N958B SV127 2019600-17	▼ D07 D07 A1	1N3515 DXX766-1000-7	▼ D07	
1/4M8.3ZB1	#		see 2262623								
1/4M9.1ZC1	#		see 2243275								
1/4M10Z5	A21	13	1N701 1N961B A99250-119	▼ D07 A38b	1N714A 1N3518 2019600-8	▼ D07 A1	USN1N756A E84	▼♦ A1 A1	1N758A SV133	▼ A1 D07	
1/4M12Z5	A21	13	1N716A USN1N963B 575R786H02	▼ D07 A23	1N759A IN3520 615010-10	▼ D07 A1	USN1N759A Z12	▼♦ A1 C18a	1N963B SV135	▼ D07 D07	
1/4M17Z5	A21	13	322-1127-P8 SV2022	▼ A45	SV1022 SV3206	A45	PS1502 SV3207	A48b A45	PS1502A	A48b	
1/4M24Z5	A21	13	1N970B MZ24T5 967516-501-7	▼ D07	USN1N970B SV169 2019600-15	♦ D07 A1	1N3527 911D20-3 2031181	▼♦ A1 A1	GLZ24BDA SV1034	D07	
1/4M33Z5	A21	13	1N726A 1N3530 PS1504A	▼ D07 D07 A48e	1N973B GLZ33BCA	D07 D07	USN1N973B F1010	▼♦ D07 A31	IN3032B PS1504	▼ A31a A48e	
1/2-111356C	#		see 111356C								
1/2-111356D	#		see 111356D								
1/2-111356E	#		see 111356E								
3/4M15ZB2	#		see 625014-443								
3/4M25Z5	#		see 720670-67								
3/4M27Z	A31a	13	3/4Z27D 1N1881	▼ A31a	1N1517 1N3030A	A31a	1N1528 615002-22	▼ D03 A31	1N1781 615002-29	▼ A31 A9	
3/4M50Z5	#		see 615010-34								
3/4M68Z5	#		see 615010-36								
3/4M82Z5	#		see 615010-35								
3/4M140Z5	A31a	13	E5T50A140 AV2140	A78b A19	E5T50B140 AV4135	A78b S10	LPZ140BB AV4140	A31a S10	AV2135	A19	
3/4M175Z5	A31a	13	E5T50A175 2016728-6	▼ A78b S4c	E5T50B175	A78b	AV2170	A19	AV4170	S10	
C-01	C1	14	1N659 1N660M G01 PS7267	▼ A1 A2a # 1391107	1N659A 1N661M G02 # DO14	DO7 A2a # DO14	1N660 1N925 PS721	▼ A1 A46 # DO14	IN660AM 1N926 PS732	A2a A46	
G01	#		see C-01								
HB-1	C1	11	1N204 1N382 ED2102	▼ C1	1N205 1N383 720635-9	▼ C1 A1	1N205-3 1N1842	▼ C1b	1N300 DR435	▼ ▼	
NA1	S4b	12	USN1N1124A 1N2026	▼ DO4	1N1217A TM1	▼ DO1	1N1227A TM4 4740CR	S25 DO4 S4b	IN1907 RE8	▼ ▼ A86 S19a	
TM1		12	NA1 1N2026 RE8	▼ S4b DO4 S19a	1N1217A TM4 4740CR	▼ DO1 DO4 S4b	1N1227A	S25	IN1907	▼ A86	
HMP1A	#		see 1N1251								
NS1AF1AD2	#		see 322-1135P2								
1D-10-7	#		see PS005A								
1D20	#		see USAF1N647								
1D20-1	□ A1	12	IN324A 1N1253 HMP-3A	▼ A53 ▼ A53	1N325A 1N1692 PS410A	▼ DO2 DO3	1N551 1N2847 PS420	▼ DO4 S35 A46	1N1252 IN3544	A53 A1	
JJC7758-1	#		see WSTR7								
JJC7876-1	#		see IN215, WMP215								
JJC7877H07	C1	13	1N983B UZ780	▼ A60	USN1N983B AU2078	♦ A19	1N3042B 615010-35	▼ A31a	W212-2	#	
JJC7877H11	C1	13	1N721A 1N3525 CE93903	▼ DO7 DO7 DO7	USN1N968B WA20-2 615010-22	▼♦ # A1	1N968B SV144 925251-6	▼ D07 D07 DO14	1N3027B CVC6014-22 2019600-14	▼ A1 A1	
JJC7877H12	#		see WA12-2								
JJC7877H14	#		see WA10-2								
JJC7877H15	C1	13	1N669 1N1528A WA30-2	▼ #	1N971B 1N1781A 575R743H13	▼ A31 A27	USN1N971B 1N1937A 2243275	▼ D07	1N1430 1N3528 8991178-22	▼ D07 A23	

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IJC877H22	C1	13	1N725A 1N1782A WZA30A	▼ ▼ #	D07 A31	1N972B 1N1882A30V 575R786H06	▼ ▼ ▼	D07 A23	USN1N972B 1N1964A30 617893-2	▼♦ ▼ ▼	D07 C1	1N1319A30V 1N3529 625013-073	▼ ▼ ▼	C1 D07 A86
IJC8151-1	□	A1	1N91 1N151 1N368	▼ ▼ ▼	D03	1N92 1N152 1651384-3	▼ ▼ ▼	D03 A72	1N93 1N315	▼ ▼	D03 D03	1N93SP 1N315A	▼ ▼	A89
1M9.1Z5	#		see 8991179-4											
1M12Z5	#		see LPZ12A											
1M13Z5	#		see 8991179-8											
1M15Z5	#		see LPZ15A											
1M15Z10	D01	13	1N1427 1N1775 1N3024B	▼ ▼ ▼	A31 A31a	1N1525 1N1775A 1Z15A	▼ ▼ ▼	D03 D03 2157094-2	1N1525A 1N1878 2157094-2	▼♦ ▼ ▼	D03 C12	1N1595 1N3024A		A31a
1M16Z10	D01	13	1N966A SV4015A	▼ ▼	D07 A45	1N966B 720670-73	▼ ▼	D07 A46	USN1N966B 925251-8	▼♦ ▼	D07 A45	1N3523		D07
1M24Z5	#		see 925251-11											
1M24Z5	#		see 1979945-1											
1M24Z5	#		see 8991179-14											
1M27Z5	#		see 8991179-15											
1M39Z5	D01	13	10M39Z5 A8991179-19 #	▼ #	D04	AV2038		A19	AV4038		S10	AV8038		S11
1M62Z	D01	13	1N1369A 1N1885 615002-24	▼ ▼ ▼	D04 D04 A9	1N1370A 1N2999B	▼ ▼	D04 D04	1N1790 1N3039B	▼ ▼	A31 A31a	1N1831A 8-7228	▼ ▼	D04
1M75Z5	D01	13	1N1372A 1N3041B	▼ ▼	D04 A31a	1N1834A E5T50A75	▼ ▼	D04 A78a	USN1N2835B E5T50B75	▼♦ ▼	C5a A78a	1N3002B A8991179-28 #		D04
1M100Z5	D01	13	1N1423 E5T50B100 615003-309	▼ ▼ ▼	D04 A78a S28	1N1432 10M100Z5 615010-20	▼ ▼ #	D04 D04 S28	1N3005B SZ554 A8991179-31 #	▼♦ ▼ ▼	D04 S4b	E5T50A100 615003-9	▼ ▼	A78a S28
1M120Z5	D01	13	1M120Z5 AV2120	▼ ▼	D01 A19	1N2010A AV4120		S10	E5T50A120 A8991179-34 #		A78a	E5T50B120		A78a
1M120Z10	D01	13	1M120Z5 1N2010C 1N3046B	▼ ▼ ▼	D01 A31a	1N1797 1N3008A 1N3098	▼ ▼ ▼	D07 D04	1N1810 1N3008B 1N3102		S11 D04	1N2010 1N3046A		S19a A31a
1M200Z5	#		see 8991179-40											
1N21A		15	1N21B 1N21D 1N28	▼ ▼ ▼	P3	JAN1N21B 1N21E 1N416B	▼ ▼ ▼	P3 P3 P3a	1N21C 1N21E 1N416B	▼ ▼ ▼	P3 P3a	JAN1N21C JAN1N21WE	♦	P3 P3
1N21B	P3	15	JAN1N21B 1N21D 1N28	▼ ▼ ▼	P3	1N21C 1N21E 1N416B	▼ ▼ ▼	P3 P3 P3a	1N21C 1N21E OL750147	▼ ▼ #	P3a	1N21CM JAN1N21WE	♦	P3 P3
1N21C	P3	15	1N21A 1N21E 1N416C 13-100128-21 #	▼ ▼ ▼ #	P3 P3a	JAN1N21C 1N21E 1N416D 13-112062	▼ ▼ ▼ ▼	P3a P3a P3a P3	1N21CM JAN1N21WE 1N416E	▼ ♦ ▼	P3 P3 P3a	1N21D 1N22 1N416E	▼ ▼ ▼	P3 A1
1N21CM	P3	15	1N21C 1N21WE 1N416D	▼ ▼ ▼	P3 P3a P3a	JAN1N21C JAN1N21WE 1N416E	▼ ▼ ▼	P3 P3a P3a	1N21D 1N416B 1N831	▼ ▼ ▼	P3 P3a	1N21E 1N416C 13-112062	▼ ▼ ▼	P3 P3a
1N21D	P3	15	1N21E 1N831 MA449D	▼ ▼ ▼	P3 A1 F3	1N21E 1N831 MA449D	▼ ▼ ▼	P3a P3 P3	JAN1N21WE 1N831 MA409	♦ ▼ ▼	P3	1N416D MA449D		P3a
1N21EMR	P3	15	1N21FMR Reverse Polarity Type	▼ also see 1N21F for replacement types.	P3									
1N21F	P3	15	1N21E MA449E D4188E	▼ ▼ ▼	P3	1N21E MA449F	▼	P3a	JAN1N21WE D4148E	♦ ▼	P3 F3	1N416E D4180E		P3a F3
1N21FMR	P3	15	1N21EMR Reverse Polarity Type	▼ also see 1N21F for replacement types.	P3									
1N21WE	P3a	15	1N21D 1N416D 13-112062	▼ ▼ ▼	P3 P3a P3	1N21E 1N416E MA409	▼ ▼ ▼	P3a P3a P3	JAN1N21WE 1N831	♦ ▼ ▼	P3 A1	1N416B 1N831A	▼ ▼	P3a A1
1N22		15	1N21C D4092	▼ ▼	P3	1N23A	▼	P3	1N286			1N286A		
1N23A	P3	15	1N23B JAN1N23C	▼ ▼	P3	JAN1N23B 1N23CM	▼	P3	1N23BM 1N23D	▼ ▼	P3 P3	1N23C	▼	P3

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.			
1N23B	P3	15	JAN1N23B 1N23CM	P3 P3	1N23BM 1N23D	P3 P3	1N23C	P3	JAN1N23C	P3			
1N23BM	P3	15	1N23B 1N23CM	P3 P3	JAN1N23B 1N23D	P3 P3	1N23C	P3	JAN1N23C	P3			
1N23C	P3	15	1N23A 1N23D 1N415C	P3 P3 P3a	1N23B 1N23WE 1N415CM	P3 P3a P3a	JAN1N23C JAN1N23WE	P3 P3	1N23CM 1N149	P3 P3			
1N23CM	P3	15	1N23C 1N23WE 1N415CM	P3 P3a P3a	JAN1N23C JAN1N23WE	P3 P3 P3	1N23BM 1N149	P3 P3	1N23D 1N415C	P3 P3a			
1N23CMR Reverse Polarity Type	P3	15	1N23CR	P3	1N23DR	P3	190290-402 #						
					also see 1N23CM for replacement types. Observe proper polarity.								
1N23CR Reverse Polarity Type	P3	15	1N23CMR	P3									
					also see 1N23C for replacement types. Observe proper polarity.								
1N23D	P3	15	1N23E 1N149 190290-401	P3 P3 F3	1N23F 1N415D	P3 P3a	1N23WE 1N3746	P3a F3	JAN1N23WE 1N3747	P3 F3			
1N23DR Reverse Polarity Type	P3	15	1N23EMR	P3	1N23ER	P3							
					also see 1N23D for replacement types. Observe proper polarity.								
1N23EMR Reverse Polarity Type	P3	15	1N23ER	P3	1031587A #	P3	12030930 #						
					also see 1N23WE for replacement types. Observe proper polarity.								
1N23ER Reverse Polarity Type	P3	13	1N23EMR	P3	190290-201 #	P3							
					also see 1N23WE for replacement types. Observe proper polarity.								
1N23WE	P3a	15	1N23D 1N415D MA423A	P3 P3a P3a	1N23F 1N415E MA426	P3 P3a P3a	JAN1N23WE 1N3746 190290-401	P3 F3 P3	1N149 1N3747 190290-503 #	P3 F3			
1N25	P3a	15	JAN1N25 D4084A	P3	1N25A	P3a	1N25B	P3	D4084				
1N25A	P3a	15	1N25 D4084A	P3a	JAN1N25	P3	1N25B	F3	D4084				
1N26	P1b	15	JAN1N26 D4089	P1b	1N26A D4175	P2b P1a	1N26B D4175A	P1b P1a	1N26C	P1b			
1N27		15	1N21B 1N21F 1N416B	P3 P3 P3a	1N21C 1N21WE SS7637-1-2	P3 P3a P3a	1N21CM 1N28 SS7637-1-4	P3	1N21D 1N32	P3 P3			
1N28		15	1N21B 1N21CM JAN1N21WE	P3 P3 P3	JAN1N21B 1N21D 1N416B	P3 P3 P3a	1N21C 1N21E	P3 P3	1N21WE	P3a			
1N31	P1b	16	JAN1N31 1N76C MA425	P1b P1b P3b	1N31A 1N833	P1b A1	1N76 1N3143	P3	1N76A 1N3778	F3			
1N32	P3	16	JAN1N32 MA417 1021222-3	P3 F3 P1a	1N369 D4070 1021222-4	P1a	1N1610 MA4123	P1a D07	1N2102 MA4123A	F3 D07			
1N34A	A90	11	1N34 1N66 JAN1N69A JAN1N126A	A1 A23a DO7 A21	1N34T-1 1N66A DO90 ARC15910	# A23a A21 A90	1N34AS 1N69 A21 1N112	P2 A21 A23a A21	1N43 1N69A 1N126A	P2 D07 A23a A21			
1N34AS	A21	11	1N34 1N66A 1N90 353-2780-00 #	A1 A23a A21	1N34A 1N69 1N112	P2 DO7 A23a	1N43 1N69A 1N126A	P2 D07 A23a A21	1N66 JAN1N69A JAN1N126A	P2 D07 A23a A21			
1N34T-1 #			see 1N34A										
1N35	DO7	11	1N42 1N314 OA5		1N97A 1N909 C10a OA6	A23a DO7	1N99A 1N949	A23a A21	1N313 1N3769	A23a D07			
1N38A	DO7	11	1N38 1N58A 1N290		DO7 DO7 DO7	1N38B 1N63 G63	D07 DO7 DO7	JAN1N38B 1N63A	D07 D07 D07	1N58 1N142	D07 A23a		
1N38B	DO7	11	1N38 1N58A 1N290		DO7 DO7 DO7	1N38A 1N63 G63	D07 DO7 DO7	JAN1N38B 1N63A	D07 D07 D07	1N58 1N142	D07 A23a		
1N39		11	1N39A	P2	1N39B	D07	1N59		1N83				
1N39A	DO7	11	1N39	P2	1N39B	D07	1N59		1N83				
1N40	DO7	11	1N73 1N141 1N314 T12G	P2 A23a	1N74 1N289 T3G DR207	P2 D07 D07	1N99A 1N310 GD8E ED1837	A23a A23a	1N100 1N313 T12	A21 A23a			

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1N41 Quad		11	1N73 1N141 1N314 T12G	▼ A23a ▼ ▼	D07 1N289 T3G DR207	1N74 1N100A 1N448 T5G	▼ A23a ▼ ▼	D07 DO7 A23a 248C1536 ▼ A21	1N99A 1N310 GD8E ED1837	A23a A23a T12	1N100 1N313 T12	A21 A23a			
1N42 Quad	D07	11	1N98A 1N291 1N450	A23a D07 D07	1N100A 1N448 T5G	A23a DO7 A22	1N102 1N310 1N301A 1N460A FD327	A23a A22 ▼ A21	1N143 1N313 1N301A 1N460A ED2839	A23a A23a	1N143 1N313	A23a A23a			
1N43	A23a		1N69 1N433A SG132 HD6007	▼ ▼ ▼ ▼	D07	1N301 1N460 FD327	▼ A22		1N301A 1N460A ED2839		1N303A PD129 MP3512	▼ A2			
1N44	A23a	11	1N47 1N61 HD2081	▼ A23a ▼	A23a 1N62	D07	1N55A 1N175	▼ D07	1N55B ED1861	D07 A22	1N55B ED1861	D07 A22			
1N45	A23a	11	1N47 1N67A 1N355	▼ ▼ ▼	A23a A21 A23a	1N49 1N198 HD2120	▼ A21	1N50 JAN1N198 153552-000	▼ A21	1N67 1N198A 617981-2 ▼ A21	▼ ▼ D07	1N67 1N198A 617981-2 ▼ A21			
1N47	A23a	11	1N39 1N55A HD2123	▼ ▼ ▼	D07	1N39A 1N55B	▼ D07	1N39B 1N59	D07	1N45 1N83	A23a	1N45 1N83			
1N48	D07	11	1N52 JAN1N198 S322-1064G1	▼ ▼ ▼	D07 A21 A23a	1N67 1N198A HD2100	▼ A21 ▼ A23a	1N67A 1N355 MP3016	▼ A21 A23a A1	1N198 G48 153552-000	▼ A21	1N198 G48 153552-000	▼ A21		
1N52	D07	11	1N67 JAN1N198 S322-1064G1	▼ ▼ ▼	A21 A23a	1N67A 1N198A MP3016	▼ D07 ▼ A1	1N86 1N355 153552-000	A23a A23a	1N198 G48	A21	1N198 G48	A21		
1N53	P1	15	JAN1N53 1N53D	♦ P1	P1 P1	1N53A 1N53M	♦ ▼	P1 P1	1N53B	P1	1N53C	P1			
1N53M	P1	15	1N53 1N53C	▼ P1	P1 P1	JAN1N53 1N53D	♦ ▼	P1 P1	1N53A	P1	1N53B	P1			
1N54	D07	11	1N35 1N294 T17	▼ ▼ ▼	D07 D07	1N43 1N294A ED1814	▼ A23a	1N54A 1N618 ED1836	▼ D07 A22	1N277 1N897	D07 A2	1N277 1N897	D07 A2		
1N54A	D07	11	1N35 1N294 T17	▼ ▼ ▼	D07 D07	1N43 1N294A ED1814	▼ A23a D07 A22	1N54A 1N618 ED1836	▼ D07 A23a	1N277 1N897	D07 A2	1N277 1N897	D07 A2		
1N55A	D07	11	1N39 1N55 HD2123	▼ ▼ ▼	D07	1N39A 1N55B	▼ D07	1N39B 1N59	D07	1N47 1N83	A23a	1N47 1N83	A23a		
1N55B	D07	11	1N39A 1N55A	▼ ▼	D07 D07	1N39B 1N59	▼ D07	1N47 1N83	A23a	1N55	D07	1N55	D07		
1N56	D07	11	1N56A 1N145 S142G	▼ ▼ ▼	D07 A23a D07	1N71 1N276	▼ D07	1N117A T3G PS514A	A23a A23a	1N118 T12	A21	1N118 T12	A21		
1N56A	D07	11	1N56 1N145 S142G	▼ ▼ ▼	D07 A23a D07	1N71 1N276	▼ D07	1N117A T3G PS514A	A23a A23a	1N118 T12	A21	1N118 T12	A21		
1N58A	D07	11	1N38 1N58 1N290	▼ ▼ ▼	D07 D07 D07	1N38A 1N63 G63	▼ D07 D07	1N38B 1N63A	D07 D07	JAN1N38B 1N142	D07 A23a	JAN1N38B 1N142	D07 A23a		
1N59A		11	1N220 PD110 PD114	▼ C1 A2 A2	C1 PD111 PD115	1N221	▼ C1 A2 A2	1N354 PD112 CK863A	C1b A2 A2	1N1849 PD113 CK863B	C1b A2	1N1849 PD113 CK863B	C1b A2		
1N60	D07	17	1N64A 1N295A			1N105		1N134		1N295	▼	D07	1N295	▼	D07
1N63	D07	11	1N38 1N58 1N277 XL1046	▼ D07 D07 #	D07 D07 D07	1N38A 1N58A 1N290	▼ D07 D07	1N38B 1N63A G5E	D07 D07 D07	JAN1N38B 1N142 G63	D07 A23a	JAN1N38B 1N142 G63	D07 A23a		
1N65	D07	11	1N45 1N70A ED1835	▼ ▼ ▼	A23a D07 A22	1N49 JAN1N70A HD2120	▼ D07	1N50 1N127 HD2149	D07	1N70 1N617	A21	1N70 1N617	A21		
1N67		11	1N67A 1N277 HD2100	▼ ▼ ▼	A21 D07 A23a	1N198 1N355 MP3016	▼ A23a A1	1N198A G67 153552-000	D07	1N265 S322-1064G1	A23a	1N265 S322-1064G1	A23a		
1N67A	A21	11	1N67 1N265 HD2100	▼ ▼ ▼	A23a	1N198 1N355 MP3016	▼ A23a A1	JAN1N198 G67 153552-000	A21	1N198A S322-1064G1	D07 A23a	1N198A S322-1064G1	D07 A23a		

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1N69	DO7	11	1N34A 1N69A 1N126	A90 D07 A23a	1N34AS JAN1N69A 1N126A	A21 D07 A21	1N43 1N90 JAN1N126A	A23a A21 A21	1N48 1N116 1N294	DO7 A21 DO7
1N69A	DO7	11	1N34A JAN1N69A 1N126A XD1045	A90 D07 A21 D07	1N34AS 1N90 JAN1N126A	A21 A21 A21	1N43 1N116 1N277	A23a A21 D07	1N69 1N126 1N294	DO7 A23a DO7
1N70	A21	11	1N68 1N75 B78960	D07 D07	1N68A 1N127 SM-B-181960	D07 D07 N23	1N70A 1N127A	D07 D07	JAN1N70A JAN1N127A	DO7 DO7
1N70A	DO7	11	1N68 1N75 1N277	D07 D07	1N68A 1N127 B78960	D07 D07 D07	1N70 1N127A SM-B-181960	A21 D07 N23	JAN1N70A JAN1N127A	DO7 DO7
1N71	DO7	11	1N56A 1N145 S142G	D07 A23a D07	1N71 1N276	D07 D07	1N117A T3G FS514A	A23a	1N118 T12	A21
1N72		17	1N147 G7A		1N173A 353-0116-00 #		1N285 SP750549B		4JB2D4	▼
1N73 Quad	DO7	11	1N74 1N289 T3G	D07 D07	1N99A 1N310 T12	A23a A23a T12	1N100 1N313 T12G	A21 A23a A23a	1N141 1N314 DR207	A23a
1N74 Quad	DO7	11	1N73 1N289 T3G	D07 D07	1N99A 1N310 T12	A23a A23a T12	1N100 1N313 T12G	A21 A23a A23a	1N141 1N314 DR207	A23a
1N77A	C11a	17	1N77B	C11	1N85		1N3734	T018		
1N78	P1b	15	JAN1N78 1N78BM 1N918	P1b P1b	1N78A 1N78C 1N3205	P1 P1b P1a	1N78AM 1N78CM D4081A	P1 P1b P1a	1N78B 1N78D D4081A	P1b P1b
1N78A	P1b	15	1N78 1N78BM 1N78D D4081A	P1b P1b P1b	JAN1N78 1N78C 1N918	P1b P1b P1b	1N78AM 1N78CM 1N3205	P1b P1b P1a	1N78B 1N78D D4081	P1b P1b
1N78AM	P1	15	1N78 1N78BM 1N918	P1b P1b	JAN1N78 1N78C 1N3205	P1b P1b P1a	1N78A 1N78CM D4081	P1b P1b P1b	1N78B 1N78D D4081A	P1b P1b
1N78BM	P1b	15	1N78 MA444B D4081A	P2b P1b	1N78C MA444C	P1b P1b	1N78CM MA444D	P1b P1b	1N78D D4081	P1b
1N78BMR Reverse Polarity Type	P1b	15	1N78R	P1b	also see 1N78BM for replacement types.		Observe proper polarity.			
1N78CM	P1b	15	1N78 1N78C MA444D	P1b P1b P1b	JAN1N78 1N78D D4081	P1b P1b P1b	1N78BM MA444B D4081A	P1b P1b	1N78BMR MA444C	P1b P1b
1N78R Reverse Polarity Type	P16	15	1N78BMR	P1b	also see 1N78 for replacement types.		Observe proper polarity.			
1N79		17	A750-180 #		A750147					
1N81	DO7	11	1N54 1N128 1N294A	D07 A21 D07	1N54A JAN1N128 ED3	D07 A21 A22	1N81A 1N128A IN277	D07 A21 D07	JAN1N81A 1N294	DO7 DO7
1N81A	DO7	11	1N54 1N128 1N294	D07 A21 D07	1N54A JAN1N128 1N294A	D07 A21 D07	1N81 1N128A ED3	D07 A21 A22	JAN1N81A 1N277	DO7 DO7
1N82	DO7	17	1N82A G7A	D07	USA1N82A SP750549B	♦ D07	IN147		1N285	
1N82A	DO7	17	1N82 4JB2C11	D07 D07	USA1N82A G7A	♦ D07 D07	IN147 SP750549B	♦ D07	1N285	
USA1N82A	♦ DO7	17	1N82 G7A	D07	1N82A SP750549B	♦ D07	IN147		1N285	
1N89	A23a	11	1N57 1N198A 1N355 153552-000	D07 A23a	1N57A 1N277 S322-1064G1 925049-504	D07 A23a A21	1N198 1N297 HD2100	A21 A23a A21	JAN1N198 1N297A MP3016	A21 A23a A1
1N90	A21	11	1N34A 1N69A 1N126A	A90 D07 A21	1N34AS JAN1N69A JAN1N126A	▼ A21 D07 A21	1N43 1N116 IN277	A23a A21 D07	1N69 1N126 1N294	DO7 A23a DO7

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1N91	DO3	12	1N92 1N153 1651384-3	▼ A72	1N93 1N315 1979925	▼ DO3 A34a	1N151 1N315A	▼ ▼	1N152 1N368	▼ ▼	
1N92	DO3	12	1N93 1N368 1N584	▼ ▼	1N152 1N581 C1651384-2	▼ #	1N153 1N582 1979925	▼	1N158 1N583	▼ ▼	
1N93	DO3	12	1N153 1N583		1N158 1N584		1N581 C1651384-1	#	1N582		
1N93SP	□ A89	12	1N91 1N152 436035	▼ ▼ #	1N92 1N315 1651384-3	▼ DO3 A72	1N93 1N315A	▼ ▼	1N151 1N368	▼ ▼	
1N94		12	1N152	▼	1N153		1N158	▼	1979925	▼	
1N95	A21	11	1N42 1N102 OA5	▼	DO7 C10a CID205	▼ A61	A21 A23a A61 S423G	▼ ▼ ▼ ▼	A21 1N101 A21 1N277 D07 910D6-3	▼ ▼ ▼ ▼	
1N96	A21	11	1N98A 1N141 T12G	▼ ▼ ▼	A23a 1N100 1N277 S142G	▼ DO7 DO7	A21 T3G S423G	▼ ▼	A23a 1N118 T12 ED1837	▼ ▼ ▼	
1N97	A21	11	1N42 1N99A 1N277 CID205	▼ DO7 A61	1N97A 1N100 1N310 S423G	▼ ▼ ▼ ▼	A23a A21 A23a DO7	1N98A 1N101 OA5 910D6-3	A23a 1N99 1N102 C10a C99	▼ ▼ ▼ ▼	
1N98	A21	11	1N97A 1N313	▼ ▼	A23a A23a 1N448	▼ ▼	A23a DO7	1N100 1N3769	A21 1N277 D07	▼ ▼	
1N99	A21	11	1N42 1N100 1N310 S423G	▼ ▼ ▼ ▼	DO7 A21 A23a DO7	1N97A 1N101 OA5 479-0259-001	A23a C10a C99 #	1N98A 1N102 C99 910D6-3	A23a 1N99A 1N277 CID205	▼ ▼ ▼ ▼	
1N100	A21	11	1N97A 1N448	▼ ▼	A23a DO7	1N99A 1N1369	A23a DO7	1N277 ED1903	1N313	A23a	
1N100A	A23a	11	1N98A 1N450 T5G DR337	▼ ▼ ▼	A23a DO7	1N143 1N451 248C11536	A23a A21	1N277 1N634 DR317	1N291 1N635 DR336	D07	
1N116	A21	11	1N34A 1N69A 1N126 1979819	▼ ▼ ▼ ▼	A90 DO7 A23a A1	1N34AS JAN1N69A IN126A	▼ DO7 ▼	A21 1N43 DO7 JAN1N126A	A23a 1N69 A21 1N116 A21 1N294	▼ ▼ ▼ ▼	
1N118	A21	11	1N98A 1N277 T12G ED1837	▼ ▼ ▼	A23a DO7	1N100 1N289 S142G	▼ DO7 ▼	A21 1N117A T3G DR207	A23a 1N141 T12 S423G	▼ ▼ ▼	
1N119		14	1N120 1N632 DR407		DO7	1N191 G2 S595G	▼ DO7	A21 1N192 G18	A21 1N418 OA86	A7	
1N126	A23a	11	1N34A 1N69A 1N126A	▼ ▼ ▼	A90 DO7 A21	1N34AS JAN1N69A JAN1N126A	▼ DO7 A21	1N43 DO7 1N90 A21 1N294	A23a 1N69 A21 1N116 A21 DO7	▼ ▼ ▼ ▼	
1N126A	A21	11	1N34A 1N69A 1N126	▼ ▼ ▼	A90 DO7 A23a	1N34AS JAN1N69A JAN1N126A	▼ DO7 A21	1N43 DO7 1N90 A21 1N277	A23a 1N69 A21 1N116 A21 1N294	▼ ▼ ▼ ▼	
1N127	DO7	11	1N68 JAN1N70A B78960	▼ ▼ ▼	DO7 DO7	1N68A IN75 SM-B-181960	▼ DO7 N23	1N70 DO7 1N127A	A21 1N70A DO7 JAN1N127A	▼ ▼ ▼	
1N127A	DO7	11	1N68 JAN1N70A B78960	▼ ▼ ▼	DO7 DO7	1N68A IN75 SM-B-181960	▼ DO7 N23	1N70 DO7 1N127	A21 1N70A DO7 JAN1N127A	▼ ▼	
1N128	A21	11	1N54 JAN1N81A 1N294	▼ ▼ ▼	DO7 DO7	1N54A JAN1N128 IN294A	▼ DO7 DO7	1N81 A21 ED3	1N81A A21 A22	DO7 DO7	
1N137A	C1	11	1N137B 1N458 SG132 1583965-4	▼ ▼ ▼ ▼	C1b A21 DO7 DO7	1N303 1N458M ED2839 5462286P2	▼ ▼ ▼ ▼	1N303A 8/6625 MP3512	1N433 PD129 HD6007	A2 A21	
1N137B	C1b	11	1N350 1N890 DR863	▼ ▼ ▼	C1b A21 7434802	1N432A PD125 7434802	▼ A2 A22	1N457 FD326	1N457M PS514A	A2	
1N138A	C1	11	1N43 1N433A SG132 MP3512	▼ ▼ ▼ ▼	A23a DO7 A2	1N301 1N460 FD327 HD6007	▼ DO7 A21	1N301A 1N460A TI601C	1N303A PD129 ED2839	A2	

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▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

□ - MECHANICAL AND ENVIRONMENTAL TEST.

♦ - PREFERRED TYPE - MIL-STD 701

- ALTERNATE PART No. - TECH. DATA LISTED FOR REFERENCED PART No.

1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT							
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
1N141	A23a	11	1N97A 1N277 1N448	▼ D07 D07	A23a 1N289 DR207	▼ A21 D07	1N99A 1N298	▼ A23a D07	1N100 1N313	▼ A21 A23a
1N145	A23a	11	1N98A T5G DR337	▼ A23a 248C11536 ED1801	1N100A ▼ A21 A22	1N143 DR291 1N276	▼ D07	A23a 1N291 DR336 ED1980	D07	
1N149	P3	15	1N23F MA423A	▼ P3	1N23WE MA426	▼ P3a P3a 190290-401	P3a F3	JAN1N23WE 190290-401	P3 F3	IN2510
1N149R	P3	15	1N23EMR Reverse Polarity Type	▼ also see 1N149 for replacement types.	P3	Observe proper polarity.				
1N150	P3	15	1N160	P3	MA419	P3a	MA419A			
1N150R	P3	15	Reverse Polarity Type	see 1N150 for replacement types.		Observe proper polarity.				
1N151		12	1N93	▼ DO3	1N152 GJ6M	▼ S33	1N158	▼	1N153	
1N152		12	1N93	▼ DO3	1N153		1N158	▼	1979925	▼ A34a
1N158		12	No replacement types available							
1N173A		17	1N72 1N132 G7A SP750549-13	▼ A1 1N82 1N147 G7B	▼ DO7	1N82A 1N285 DC7C	▼ DO7	USA1N82A 4JB2D4 353-011600	▼ #	D07
1N191	A21	14	ED1872							
1N192	A21	14	1N191 DR401 DR407	▼ A21	1N3484 DR402 ED1872	DO7	GMD2 DR403	A2	CID206 DR404	A61
1N196		14	1N661 USN1N3064 CA69002	▼ A1 A22	1N661M DR833 CA69002A	A2a	1N807 CA69001		1N807M CA69001A	A2a
1N198	A21	11	1N67A 1N355 353-0185-00	▼ A21 A23a #	1N198A G67 HD2100	▼ DO7	JAN1N198 S132G MP3016	A21 DO7 A1	1N265 S322-1064G1 153552-000	▼ A23a
1N198A	DO7	11	1N67A 1N355 153552-000	▼ A21 A23a	1N198 G67	▼ A21	JAN1N198 S322-1064G1 MP3016	A21 A23a A1	1N265 HD2100	▼ DO7
1N198B	DO7	14	Q90-500		Q110-500		HD2764		HD2765	
1N200	C1	11	1N108 1N776 DR464	DO7 DO7 DO7	1N300B 1N1839 ED1980	C1b	1N432B OA9	C10a	1N449 DR427	D07 D07
1N201	C1	11	1N138b 1N380 T14G 622827-2	C1b ▼ A1	1N202 1N1841 ED2103	▼ C1 C1b	1N300A F6 ED2107		1N379 OA7 ED2108	C10a
1N202	C1	11	1N103 1N312 ED2103	A23a	1N104 1N380		1N298 OA7	DO7 C10a	1N300A ED1903	A22
1N203	C1	11	1N381 ED6 DR449	A22	1N929 GD8E 612C	DO7 C3	1N1841 T21 720635-9	▼ A1	ED5 T21G	A22
1N204	C1	11	1N137B 410A 622827-2	C1b ▼ A1	1N367 PS514A 720635-9	▼ C3	1N382 HD6777 7434802	A21 A22	1N890 449337-1	# A21
1N205	C1	11	1N205-3 1N1842 720635-9	C1b ▼ A1	1N383 612G 1776085	C3 A1	1N461 ED2834	A21	1N461M HD6001	▼ A21
1N205-3		11	1N205 1N1842 720635-9	C1d ▼ A1	1N383 612C 1776085	C3 A1	1N461 ED2834	A21	1N461M HD6001	▼ A21
1N206	C1	11	1N384 1N1842 HD6001	C1b ▼ A21	1N457 S254G 720635-9	▼ DO7 A1	1N461 612C 1776085	A21 C3 A1	1N461M ED2834	A2a
1N207	C1	11	1N303A 1N458M PD129 MP3512	▼ A2	1N385 1N1843 SG132	▼ C1b DO7	1N432 STC103 FD327	A21 A22	1N458 STC104 TI601C	▼ A21 C3
1N208	C1	11	1N303A 1N1843 TI622C HD6017	▼ C1b C3	1N386 PD129 ED2839	A2	1N458 SG132 MP3512	A21 DO7 A2	1N458M FD327 HD6007	A2 A22 A21

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♦ — PREFERRED TYPE — MIL STD 701

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1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N209	C1	11	1N301 1N462 FD129 HD6007	▼ ▼ A21 A2 A21	1N387 1N462M SG132	A2a DO7	1N458 1N899 ED2839	A21 A2	1N458M 1N1844 MP3512	A2 C1b A2	
1N210	C1	11	1N388 1N899 TI622C	A2 C3	1N458 1N1844 617981-2	A21 C1b A1	1N458M SG132	A2 DO7	1N460 FD327	A22	
1N211	C1	11	1N301 1N462 2JC3636H01 5462286P2	▼ ▼ A21 A1	1N303 1N462M 2JC3636H03	A2a	1N389 1N899 8/6625	A2 N46	1N457 1N1845 617981-2	A21 C1b A1	
1N212	C1	11	1N303 2JC3636H01 ED2841	▼ ▼ A1	1N390 2JC3636H02 5462286P2	A1	1N464M 8/6625 1N464	A2a N46 A21	1N1845 FD329	C1b A22	
1N213	C1	11	1N391 1N464M TI624C	A2a C3	1N392 1N1846 MQ4551	C1b A21	1N459 A20 A10859	A21 A20 A21	1N464 C3 SG133 925008-4	A21 A38a A23	
1N214	C1	11	1N392 1N464M TI624C	A2a C3	1N459 1N1846 MQ4551	▼ A21	1N459M C1b A10859	A2 A20 A21	1N464 C3 SG133 925008-4	A21 A38a A23	
1N215	C1	11	1JC7876-1 1N463M HD6014	# A2a ▼ HD6014	1N215-1 1N1847 HD6064	C1b	1N393 FD324 1583965-3	A22 D07	1N463 CK863	A21	
1N215-1		11	1N215 1N1847 HD6064	▼ C1 C1b ▼	1N393 FD324 1583965-3	A22 D07	1N463 CK863	A21	1N463M HD6014	▼ A2a	
1N216	C1	11	1N302 1N1847 HD6014	A23a C1b ▼ HD6014	1N394 FD324 HD6064	A22	1N463 ED2836	A21	1N463M HD6003	A2a A21	
1N218	C1	11	1N218-1 1N1848	C1b	1N302B CK863B		1N353	C1b	1N354 1249959-11	C1b A22	
1N218-1		11	1N218 1N1848	C1 C1b	1N302B CK863B		1N353	C1b	1N354 1249959-11	C1b A22	
1N219	C1	11	1N220 PD110 PD114	▼ C1 A2 PD111 PD115	1N221 PD111 A2 PD115	C1	1N354 A2 A2 PD112 A2 CK863A	C1b	1N1849 PD113 CK863B	C1b A2	
1N220	C1	11	1N221 PD112	▼ C1 A2	1N1849 PD113	C1b	1N1850 A2 PD114	C1b	PD111 A2 PD115	A2	
1N221	C1	11	1N222 PD113	▼ C1 A2	1N1850 PD114	C1b	PD111 A2 PD115	A2	PD112 A2	A2	
1N222	C1	11	1N1850 PD115	C1b A2	PD112 628C	A2	PD113	A2	PD114	A2	
1N225	C1	13	1/4M10Z5 GZ7A 1020827	▼ A1 #	A21 SV9 2003175	C1 ▼ A1	1N1313 SV128 2031189	C1 D07 A1	1N1313A8V T1653C9 8991178-10	C1 C3 A23	
1N225-2		13	1N757A 1N938B 1N2620	▼ A1 D07 A31a	USN1N757A USN1N938B 1N2620A	♦ D07 A31a	USN1N935B 1N939B 1N2621A	D07 D07 A31a	1N936B USN1N939B	D07 D07	
1N225A	C1	13	1N430 USN1N756AM 575R786H05	▼ A1 A23	S20 1N430A 1N959B 1979829-1	S20 DO7 C7	1N430B 1N1530 8954883-2	S20 C7 C7	1N664 1N1530A 8991178-10	▼ C7 A23	
1N226	C1	13	1N1314 SV133 111356B	▼ DO7 C1	1N1314-2 TI655C9 2019600-8	▼ C3 A1	1N1986 SV910	SV11 A99250-119	▼ A38d		
1N227	C1	13	1N716A USN1N944B 615011-5	▼ A46 DO7 A31a	1N759A USN1N945B 2031194	▼ A1 C1	1N941A 1N1315	D07 C1	1N944B D615002-21	▼ D07	
1N228	C1	13	1N718A 1N2038 2031180	▼ D07 DO12 A1	1N1316 ZA15-2 2019611-1	▼ C1 C1	1N1316A15V SV138 8991178-16	C1 A23	1N1514A 353-2563-00 111356D	▼ A1	
1N228-2	C1	13	1N718A 1N1316A15V SV138	▼ D07 C1	1N965B IN3522 2019611-1	DO7 DO7 ▼ C1	USN1N965B 2JC2974-1 2031180	D07 D07 A1	1N1427 QZ15T5 2031401	A21c	
1N228A	C1	13	1N767A 1N3523 CD3128	D07 DO7 A3	1N966B SV139 615002-27	D07 DO7 ▼ A1	USN1N966B S322-1108P1	D07 C1	1N1316A15V SV1021	C1	
1N229	C1	13	1N768 1N1317A19V SV1024 8950184-1	▼ C1 C19a	1N768A C1 1N2039 H28155	▼ D07 DO12	1N1317 SV143 D615002-25	C1 D07 #	1N1317A SV224 720670-65	C1 D07 C12	

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.		
1N229-2	C1	13	1N2815B	▼	C5a	2JC2974-2	#	AV2017	A19	449337-3	▼ C1	
1N230	C1	13	1N668	▼		USN1N969B	▼♦	1N1318	C1	1N1318A22V	▼ C1	
			1N1516A	▼		1N1527A	▼	1N1880A		ZA25-2	▼ C1	
			ZA25-3	▼		SV168	▼	D07	DXX766-1000-4	HZ8156		
			D615010-41	#		2030318	▼	A1				
1N231	C1	13	1N669	▼		USN1N971B	♦	1N1319	C1	1N1430	▼	
			1N1517A	▼		1N1937A	▼	1N3528	D07	575R743H13	▼ A27	
			D615010-40	#		2243275		8991178-22	A23	F1010	▼ A31	
1N232	C1	13	1N726A	▼	D07	1N973B	D07	USN1N973B	D07	1N974A	D07	
			1N1320	▼	C1	1N3032B	▼	1N3530	D07	F1010	▼ A31	
1N233	C1	13	1N975B		D07	USN1N975B	▼♦	1N1321	C1	1N1883		
			1N1939			1N1966		1N1993		1N3532	D07	
			AV2037		A19	AV4037	S10					
1N248	D05	12	1N248A	▼	D05	1N249	▼	1N249B	D05	1N1621	▼ S43	
			1N2246		D04	1N2246A	D04	1N2247	S35	1N2247A	S35	
			1N2576	▼	S35	10J2	▼	2072233	▼	D04		
1N248A	D05	12	1N248B		D05	1N249A	▼	1N249B	D05	1N412	▼	
			1N2154	▼	D05	1N2272	D04	1N2273	D04	1N2446	D05	
			1N3659		M38a	1024122	#	2029164	S29	2072228	▼ D05	
1N249	D05	12	1N250	▼	D05	1N1200	S27	USAF1N1200	S27	1N1201	S27	
			1N1202	▼	S27	1N1202A	D04	1N1304		1N1621	S43	
			10J2	▼		TR151	▼	AM1010	▼	AG1012	D04	
1N249A	D05	12	1N249B	▼	D05	1N250A	▼	1N250B/C	D05	1N412		
			1N2155	▼	D05	1N2158	D05	TR152R		TR302		
			322MS080-P001	▼		322MS080-P002	▼	TR402		893992		
			2041929	▼	D05	2072019	▼	S29				
1N249B	D05	12	1N249A	▼	D05	USA1N249B	▼♦	1N250A	D05	1N412		
			1N2155	▼	D05	1N2158	D05	TR302		1N250B/C		
			322MS080-P001	▼		322MS080-P002	▼	TR402		1616993-1	D05	
			2041929	▼	D05	2072019	▼	S29		S29		
USA1N249B	D05	12	1N249A	▼	D05	1N250A	▼	1N250B/C	D05	1N412		
			1N2155	▼	D05	1N2158	D05	TR302		322MS080-P001		
			322MS080-P002	▼		TR402	▼	AM0520		1616993-1	S29	
			2041929	▼	D05	2072019	▼	S29				
1N249R	D05	12	Reverse Polarity Type.			see 1N249 for replacement types. Observe proper polarity.						
1N250	D05	12	1N250B	▼	S27	1N1202	▼	S27	USAF1N1202	S27	1N1202A	▼ D04
			1N1202R	▼	S27	1N1203	▼	S27	1N1204	S27	1N1205	S27
			1N1206	▼	S27	1N1304	▼	1N1414		1N2023		
			1N2025	▼		1N2590	▼	TR301	▼	304D	S27	
			WN5091E	▼	S29							
1N250A	D05	12	1N250B	▼	S27	1N250B/C	▼	1N2156	D05	1N2158	▼ D05	
			TR302	▼		322MS080-P001	▼	TR402	▼			
			1616993-1	▼	S29	2041929	▼	D05	2072019	S29		
1N250B	S27	12	1N250A	▼	D05	1N250B	▼	1N250B/C	D05	1N1195	S29	
			1N1304	▼		1N2158	D05	322MS080-P001	▼	322MS080-P002		
			WN5091E	▼	S29	1616993-1	▼	2041929	▼	D05		
1N250B/C	D05	12	1N250A	▼	D05	1N2156	▼	1N2158	D05	TR302		
			322MS080-P001	▼		322MS080-P002	▼	TR402	▼	L531-000-048 #		
			1616993-1	▼	S29	2041929	▼	D05	2072019	S29		
1N251		14	1N251A	D07	A1	1N904	A1	1N905M	A2a	1N906M	A2a	
			1N907	A1		1N917	A1	1N926	A46	1N3064	▼	
			SG211	▼		T1251	A110					
1N252		14	JAN1N251	A1		1N626A	D07	1N904	A1	1N905	A1	
			1N905A			1N905AM	A2a	1N905M	A2a	1N906	A1	
			1N906A			1N906AM	A2a	1N906M	A2a	1N907	A1	
			1N917			FD192	A22					
1N253	D04	12	1N253C	▼	D04	1N338	▼	1N611A	D04	USN1N1124A	▼ D04	
			1N1564A	▼	C14	1N1909	A86	1N2292A	S35	1N2350		
			1N3757		A38f	C202-356	▼	910D19-5	S4b	2222636	▼ S26	
1N253C	D04	12	1N253	▼	D04	1N338	▼	1N611A	D04	USN1N1124A	▼ D04	
			1N1564A	▼		1N1909	A86	1N2292A	S35	1N2350		
			1N3757					910D19-5	▼	2222636	▼ S26	
1N254	D04	12	1N332	▼	D04	1N334	▼	1N341	D04	1N343	▼ A1	
			1N345	▼	D04	USA1N646	▼	A1	D04	1N1254	▼ A53	
			NA22	▼	S4b	PS420	▼	180653	A1	617834-12	▼ A38	
			1778936	▼	A1							

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N255	DO4	12	1N333 USN1N561 1N1126A 180654	▼ ♦ ▼ ▼/□	DO4 DO3 A1	1N342 1N648TH 10AL8 180655	▼ A54 A77a A1	1N553 IN649TH 10AL10 2268525	▼ A54 A77a A41	1N554 1N673 SG1007	DO4 ▼ DO7
1N256	DO4	12	1N321 1N606 1N1257 2016492-1	▼ ▼ ▼ ▼/□	DO1 A53 A31	1N547 1N687 2SS80	▼ A1 ▼	1N560 1N854 PS060	▼ A21 A46	1N561 1N1128A 488231	DO3 ▼ A6
1N263	F15	15	JAN1N263	P3							
1N270	DO7	11	1N771A G155 DR321 ED1815		DO7 A22	1N771B DR305 DR379 ED2112		DO7 T7G DR306 DXX761-1000-1#	#	G154 DR308 DXX761-1000-3#	DO7
1N273	DO7	11	1N277 1N499 T11 CTP462	▼ ▼ ▼ ▼/□	DO7 DO7 A21	1N281 1N500 G157 527758	▼ ▼ ▼ ▼	DO7 DO7 C202-321	1N452 1N774 A1	1N498 1N775 CGD462	DO7 DO7 A21
1N276	DO7	11	1N100A 1N450 248C11536	▼ ▼ ▼/□	A23a A21	1N108 G02 DR291	DO7 A1	1N118A T5G CGD301	A23a A21	1N448 DR128 DR338	DO7
1N277	DO7	11	1N307 DR312 DR324	▼ ▼ ▼	A23a	1N453 DR313 DR325	▼ ▼ ▼	DO7 137531	1N502 DR322 DO7	1N567 DR323	
1N279	DO7	11	1N273 1N305 CTP462	▼ ▼ ▼/□	DO7 A23a A21	1N277 1N452 479-0258-001▼	▼ ▼ ▼/□	DO7 DO7 A97	1N281 1N499 0252	DO7 DO7 DO7	1N292 353-2008-00 0253
1N281	DO7	11	1N277 1N500 T8G	▼ ▼ ▼	DO7	1N305 1N772 T9G	▼ ▼ ▼	A23a DO7 A21	1N307 1N774 C202-322	A23a A21	1N453 1N775 527758
1N283	DO7	11	1N454 1N3466 ED1816	▼ ▼ ▼/□	A23a DO7 A22	1N569 T25 78619	▼ ▼ ▼	A3c	1N774A G157 1N277	DO7 DO7 DO7	1N3465 DR351
1N294	DO7	11	1N43 ED1814	▼ ▼	A23a A22	1N618 B78630	▼ ▼	A23a DO7	1N294A E78960	DO7	T17
1N295	DO7	17	1N64A			1N134			1N295A		
1N295P	DO7	17	1N64A			1N134			1N295	▼	DO7
1N298	DO7	11	1N96A 1N140 1N451		A23a A23a A23a	1N98A A143 1N635		A23a A23a A23a	1N100A 1N288 T5G	A23a DO7 A21	1N118A 1N291 248C11536
1N300		11	1N137B 410A 720635-9	▼ ▼ ▼/□	C1b N22 A1	1N367 PS514A 7434802	▼ ▼ ▼	A22	1N382 HD6777	A21	1N890 622827-2
1N301		11	1N458 PD129 MP3512	▼ ▼ ▼/□	A21 A2 A2	1N458M SG132 HD6002	▼ ▼ ▼	A3 DO7 A21	1N462 TI622C 1N301A	A21 C3	1N462M ED2835
1N302A		11	1N354 PD114 1249959-11	▼ ▼ ▼/□	C1b A2 A22	PD111 PD115		A2 A2	PD112 CK863B	A2	PD113 HD6154
1N303		11	1N433 PD129 MP3512	▼ ▼ ▼	A21 A2 A2	1N458 SG132 HD6007	▼ ▼ ▼	A21 DO7 A21	1N458M FD327 A5462286P1	A22	8/6625 ED2839 A5462286P2
1N303A		11	1N302B 1N485A	▼ ▼	DO7	1N353 1N485B 1249959-12	▼ ▼ ▼/□	A22	C1b DO7 A22	C2b	1N434B HD6261
1N305	A23a	11	1N307 T9G	▼ ▼	A23a	1N772 DR213	▼ ▼	DO7	1N773 DR312	DO7	T8G DR313
1N307	A23a	11	1N451 DR311 DR325			1N567 DR312			1N635 DR315		DR310 DR322
1N315	DO3	12	1N91 1N152 1651384-3	▼ ▼ ▼/□	DO3 A72	1N92 1N153 1979925	▼ ▼ ▼	DO3 A34a	1N93 1N158 1979925	DO3	1N151 1N368
1N315A		12	1N92 1N153 1N583	▼ ▼ ▼	DO3	1N93 1N158 1979925	▼ ▼ ▼	DO3 A34a	1N94 1N368		1N152 1N582
1N316	A53	12	1N316A 1N1028 PS005	▼ ▼ ▼/□	DO2 A73 A46	JAN1N538 1N1251 10J2	▼ ▼ ▼	DO1 A53 DO3	1N599 NA2R 40-16133	DO1 S4b A6a	1N599A TM5
1N319	DO2	12	1N319A 1N540 1N605A 1N1257	▼ ▼ ▼ ▼/□	DO2 DO1 DO1 A53	1N443 1N604 1N606 1N535	▼ ▼ ▼ ▼	DO3 DO1 DO1 DO4	1N444 1N604A USAF1N649	DO3 DO1 A1	1N535 1N605 1N1256

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1N320	DO2	12	1N320A 1N561 1N2878	▼ DO3	1N535 1N606 1N2879	▼ DO1	1N547 1N1104 PS060	▼ A46	1N560 1N1257	▼ A53	
1N324A	DO4	12	1D20-1 1N1252 1N3544 PS420	▼ A1 A53 A1 A46	JAN1N538 1N1253 1N325A	▼ DO1 A53 DO2	1N551 1N1692 HMP3A	▼ DO4 DO3 ▼ A53	1N677 1N2847 PS410A	▼ A1 S35	
1N327	DO2	12	1N327A USAF1N648 TM62	▼ A1	1N547 USAF1N649 TM65	▼ DO1 A1	1N562 1N689 2268525	▼ DO4 A1 ▼ A41	1N563 1N2773	▼ DO4 A40	
1N330		11	1N137A 1N458A FD327	▼ A46 A22	C1 1N303 8/6625 1583965-4	▼ N46 DO7	1N303A PD129 5462286P2	▼ A2	1N303B SG132	▼ DO7	
1N332	DO4	12	1N327 USAF1N647 1N1033 180654	▼ A1 ▼ A1	1N341 USAF1N649 1N1126A	▼ DO4 A1	1N562 1N673 1N1169	▼ DO4 A1 ▼ A34b	1N563 1N689 TM42R	▼ A1 ▼	
1N333	DO4	12	1N256 1N534 1N685	▼ DO4 A1	1N342 1N604 TJ40A	▼ DO4 DO1	1N443 1N605 TL41	▼ DO3 DO1	1N444 1N605A	▼ DO3 DO1	
1N334	DO4	12	1N327 USAF1N646 1N1126A 167384	▼ A1 ▼ A1	1N332 USAF1N647 1N1169	▼ DO4 A1 ▼ A34b	1N341 1N673 1N1254	▼ DO4 A1 ▼ A53	1N343 1N1033 TM32	▼ A73	
1N335	DO4	12	1N255 1N444 PS674 SA301	▼ DO3 ▼ A62	1N333 1N534 1N685	▼ DO4 DO4 A1	1N342 1N604 TJ40A	▼ DO4 DO1	1N443 1N605 TL41	▼ DO3 DO1	
1N338	DO4	12	1N253 1N1909 SM191 1105445-3	▼ # #	DO4 A86	1N611A 1N2292A C202-356 1105445-6	▼ DO4 DO4 ▼ #	USN1N124A S35 1N2350 1105445-14	▼ DO4	1N1564A 1N3757 910D19-5 1105445-17	▼ C14 A38f ▼ S4b
1N339	DO4	12	1N254 1N1029	▼ A73	DO4	1N325A USN1N124A	▼ DO4	1N336 1N1439	▼ DO4	1N551 2157083-1	▼ DO4 A34a
1N340	DO4	12	1N317A 1N600A 1N3073	DO2 DO1 DO12	1N324A 1N676 1N3544	▼ DO4 A1	1N440 1N677 SA101	▼ DO3 A1 ▼ A62	1N530 1N1100	DO2 DO1	
1N341	DO4	12	1N327 USAF1N647 1N1033	▼ A1 ▼ A73	1N332 USAF1N649 1N1126A	▼ DO4 A1 ▼ DO4	1N562 1N673 1N1169	▼ DO4 A1 ▼ A34b	1N563 1N689 180654	▼ A1 ▼ A1	
1N342	DO4	12	1N256 1N604 TJ40A	▼ DO1 ▼ A62	1N333 1N605 TL41	▼ DO4 DO1 ▼ A1	1N444 1N605A 1N443	▼ DO3 DO1 ▼ DO3	1N534 1N685 1N443	▼ A1 ▼ A1	
1N343	DO4	12	1N327 1N334 1N673 1N1254	▼ DO4 DO4 A53	1N332 1N341 1N1033 TM32	▼ DO4 DO4 A73 ▼ DO4	1N334 1N341 1N1126A 167384	▼ DO4 A1 DO4 ▼ A1	1N341 USAF1N647 1N1169	▼ A1 ▼ A34b	
1N344	DO4	12	1N333 1N444 1N685 SA301	▼ DO3 A1 ▼ A62	1N335 1N534 1N1126A PS674	▼ DO4 DO4 DO4 ▼ DO4	1N342 1N604 TJ40A	▼ DO4 DO1 TL41	1N443 1N605 TL41	▼ DO3 DO1	
1N345	DO4	12	1N332 USAF1N646 PS420	▼ A1 ▼ A46	1N334 USN1N124A 180653	▼ DO4 DO4 A1	1N341 1N1254 617834-12	▼ DO4 A53 A38	1N343 NA22 1778936	▼ A1 S4b A1	
1N347	DO4	12	1N1115 1N1908 C202-356	▼ A86 ▼ DO4	USN1N124A 1N2536 910D19-5	▼ DO4 S35 ▼ S4b	1N1538 NA11 998A562G4	▼ DO4 S4b	1N1582 TM11 2157095-1	▼ DO4 S26	
1N348	DO4	12	1D-20-1 1N537 575R424H03	▼ A1 DO3 A3c	1N254 1N677 2157083-1	▼ DO4 A1 ▼ A34a	1N324A 1N1029	▼ DO4 A73	1N339 1N1692	▼ DO4 DO3	
1N350	C1b	11	1N302B 1N890M ED2838	A2a	1N434B 2JC2189H03 MQ4512	▼ A1 A21	1N457 322-1068P1 HD6006	▼ A21 C1 A21	1N457M CD1275 624781-1	A2 A22a A21	
1N351	C1b	11	1N303B 1N354 HD6261	C1b	1N302B 1N434B		1N352 1N932	▼ C1b DO7	1N353 CK863B	▼ C1b	
1N352	C1b	11	1N302B 1N486 1N487A	▼ DO7 DO7	1N353 1N486A 2JC2189H04	▼ C1b DO7 A1	1N354 1N486B CK863B	▼ C1b DO7	1N434B 1N487 HD6261	▼ DO7	

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1N353	C1b	11	1N354 1N487 1N487BM	▼ ▼ A2a	1N486 1N487A 2JC2189H04	▼ ▼ A1	D07 D07 A2a	1N486A 1N487AM	▼ A2a	1N486B 1N487B	▼ D07
1N354	C1b	11	1N487AM 1N488B	D07	1N3728	A2a A21	HD6754 A21	1N487M HD6775	▼ A21	1N488A 1N198A	▼ D07
1N355	A23a	11	1N67A 1N265 MP3016	▼ ▼ A1	1N198 G67 153552-000	▼ A21	JAN1N198 S322-1064G1 925049-504	▼ A21	A21 A23a A21	1N198A HD2100	▼ D07
1N358	P1a	16	1N358A 1N2127	▼ P1a	1N369A 1N2127A	P1a	1N630	P1a	1N630A		
1N358A	P1a	16	1N358A 1N2127	▼ P1a	1N369A 1N2127A	P1a	1N630	P1a	1N630A		
1N358R Reverse Polarity Type	P1a	16	see 1N358A for replacement types. Observe proper polarity.								
1N360	A53	12	1N317A 1N676 1N3073	D02 ▼ A1 D012 SA101	1N340 1N847 1N858 461049-1	DO4 A21 A62 ▼ A1	1N360A 1N872 SA1776	DO2 A21 A1	JAN1N538 1N1100 1583967	▼ DO1 DO1 A111	DO1
1N362	DO2	12	1N333 1N540 1N2878 1679527	▼ DO4 ▼ DO1 ▼ A53	1N362A 1N685 1N3081	DO2 A1	1N363 1N872 SA1776	▼ DO2	1N363A 1N1706 461049-5	DO2 A53 ▼ A1	
1N363	DO2	12	1N256 1N687 SA1776	D04 ▼ A1 1679527	1N363A 1N864 1679527	DO2 A21 A53	1N560 1N1706	▼ DO3	1N685 A53	1N1712	A1
1N368		12	1N92 1N581 1N158	▼ DO3 1979925	1N93 1N582 A34a	DO3	1N152 1N583	▼		1N153 1N584	
1N412		12	1N249A 1N412B 322MS080-P001 2041929	▼ DO5 S54 322MS080-P002 ▼ DO5	1N249B 1N2155 1S21c 2072019	DO5 DO5 DO5 ▼ S29	1N250A 1N2158 1S21c TR402 8939921-1	▼ DO5 DO5 DO5	1N250B/C TR302 1616993-1	▼ S29	DO5
1N415C	P3a	15	1N23C 1N23WE	▼ P3 ▼ P3a	JAN1N23C JAN1N23WE	♦ P3 P3	1N23CM 1N149	▼ P3	1N23D P3	1N415CM P3	P3a
1N415CM	P3a	15	1N23C 1N23WE	▼ P3 ▼ P3a	JAN1N23C JAN1N23WE	♦ P3 P3	1N23CM 1N149	▼ P3	1N23D P3	1N415CM P3a	
1N416B	P3a	15	1N21B 1N21CM JAN1N21WE	▼ P3 ▼ P3	JAN1N21B 1N21D 1N28	P3 P3 P3	1N21C 1N21E	▼ P3	1N21C 1N21WE	▼ P3a	
1N429	C1	13	USAF1N429 1N822 1N825 DXX766-1000-5▼	▼ DO7 DO7 C1	1N709A 1N823 1N827 A99250-114	DO7 DO7 DO7 ▼ A38d	1N821 USN1N823 USN1N827 D615002-3	▼ DO7 DO7 DO7 #	USN1N821 1N824 202-359	▼ DO7 DO7 DO7 ▼ A1	DO7
USAF1N429	C1	13	1N429 1N1735 752909	▼ C1 A27 ▼ A27	1N821 911D15-3 1979821 C1	DO7 911D15-3 ▼ C1 8954881-6	1N822 C1 N44	▼ DO7 C1 N44	1N824 720670-31	▼ C1	DO7
1N430	S20	13	1N430A 1N3154 SV3173 8954883-2	▼ DO7 A45 C7	1N430B 1N3154A SV3176	S20 DO7 A45	1N1530 1N3155 D615011-1	#	C7 1N1530A 1N3155A 1979829-1	▼ C7	DO7
1N430A	S20	13	1N430 1N3154 SV3173	▼ DO7 A45	1N430B 1N3154A SV3176	S20 DO7 A45	1N1530 1N3155 1979829-1	▼ C7	C7 1N1530A 1N3155A 8954883-2	▼ C7	DO7
1N430B	S20	13	1N430 1N3154 SV3173	▼ DO7 A45	1N430A 1N3154A SV3176	S20 DO7 A45	1N1530 1N3155 1979829-1	▼ C7	C7 1N1530A 1N3155A 8954883-2	▼ C7	DO7
1N431	C1	11	1N303A STC104 HD4419	▼ A21	1N460A C202-325	▼	1N902 618C	A2 C3	STC103 TI620C	▼ C3	A21
1N433		11	1N459 SG133 925008-4	▼ A21 ▼ A38a ▼ A23	1N459M CK863A	A2	1N464 MQ4551	▼ A21	1N464M A10859	▼ A21	A2a
1N433A		11	1N302B STC108	A21	1N433B CK863B		1N434B		STC107		A21
1N434A		11	1N302B PD135	A2	1N353 CK863B	C1b	1N354 HD6154	▼ A21	STC107 1249959-11	▼ A22	A21

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1N435	M4	11	1N909 T9G CTP462	▼ D07 A21	1N949 T12G	▼ A21	T3G S142G	▼ D07	T8G CGD462	▼ A21	
1N436		13	1N436 1N1518A 1N1927A	▼ D03 A21	1N748 1N1588 T1650C1	▼ A1 ▼ D03	1N1507A 1N1588A TI650C3	▼ D03 ▼ C3	1N1518 1N1599A 7901722-001	▼ D03 C3	
1N440	DO3	12	1N440B 1N550 SLA441	D03 D04 A69	1N441B PS015 SLA441B	D03 A46 A69	1N442B SLA440 2157083-1	D03 A69 A21b	JAN1N538 A69 SLA440B	▼ DO1 A69	
1N440ZA8	A5	13	1N1890 AV2135	D04 A19	1N1946		1N1973		1N2000		
1N441B	DO3	12	1N442B JAN1N538 CODI613	▼ D03 D01 A76	1N443B 1N612A DI646	▼ D04 A38b	1N444B SLA441B 816B520-4	▼ D03 D03	1N445B CODI533	▼ DO3 A75	
1N442B	DO3	12	1N443B 1N612A CODI613	▼ D03 D04 A76	1N444B 75E4 DI646	▼ D03 A3c A38b	1N445B SLA442B 816B520-4	▼ D03 D03	1N540 CODI533	▼ DO1 A75	
1N443	DO3	12	1N444 1N604A 1N649TH SLA444	▼ D03 D01 A54 A69	1N444B 1N605A 1N947	▼ D01	1N445 1N606A 48C873103	# D01	1N540 1N648TH 48C873105-1	▼ DO1 A54	
1N443B	DO3	12	1N444B 1N3282 SLA444B	D03 D07 A69	1N445B 75E4 DI647	▼ D03 A3c A38b	1N540 75E5 816B520-6	▼ D03 D03	1N612A SLA443B	▼ DO4 A69	
1N444	DO3	12	1N445 1N648TH 48K873239	A54	1N547 1N649TH SLA444	▼ D01 A54 A69	1N605A 1N947	▼ D01	1N606A 48C873105-2	# DO1	
1N444B	DO3	12	1N445B 1N3282 CODI535	▼ D03 D07 A75	1N547 75E5 CODI615	▼ D01 A3c A76	1N2880 SLA444B DI648	A69 A38b	1N2881 SLA445B 816B520-6	▼ D03 A69	
1N445B	DO3	12	1N547 50E7 SLA445B DI650	▼ D01 A3c A69 A38b	1N2880 75E6 CODI537	A3c A75	1N2881 75E7 CODI617		1N3282 75E8 DI649	DO7 A3c A38b	
1N446		16	No replacement types available.								
1N448	DO7	11	1N98A 1N291 248C11536	A23a D07 ▼ A21	1N100A 1N450 DR336	▼ D07	1N143 1N634 DR337	A23a D07	1N277 T5G	▼ DO7	
1N450	DO7	11	1N277 1N634	D07	1N451 1N635		1N453 DR315	D07	1N502 DR316		
1N452	DO7	11	1N273 1N499 T11 CTP462	▼ D07 D07 A21	1N277 1N500 G157 527758	▼ D07 D07 A21	1N281 1N774 C202-321	▼ D07 D07 A1	1N498 1N775 CGD462	DO7 DO7 A21	
1N453	DO7	11	1N277 DR312 DR324	D07	1N307 DR313 DR325		1N502 DR322 137531	▼ D07	1N567 DR323		
1N456	DO7	11	1N456M HD2151 HD6025	A2a ▼ A1	1N457 ED2822 HD6261	▼ A21	1N483B ED2837 HD6764	▼ A21	PS512A HD6005	▼ DO7 A21	
1N457	A21	11	1N302B 1N890M MQ4512	A2a ▼ A21	1N434B 2JC2189H03 HD6006	▼ A1 A21	1N457M 322-1068P1 624781-1	A2 C1 A21	1N483B ED2838	▼ A62	
1N457A	A46	11	1N457AM 1N483B 1N484AM 1N3575	A2a A62 A2a A84a	1N458A 1N483BM 1N484B	▼ A46 A2a D07	1N483A 1N483C 1N484BM	A62 A2a	1N483AM 1N484A 1N484C	▼ A2a DO7	
1N458	A21	11	1N434A STC108 ED2839 HD6154	A21	1N458M S322MS056-P001# MP3512 1249559-11	▼ A21 ▼ A22	USN1N485B S322MS056-P002# MP3512 1249559-11	D07 A21	STC107 S322MS056-P003# HD6189	A21	
1N458A	A46	11	1N484 1N484BM 1N486A	▼ D07 D07	1N484A A2a 1N484C 1N486B	▼ D07	1N484AM 1N485A CD1115	A2a D07 D07	1N484B 1N485B 1249959-12	▼ DO7 DO7 A22	
1N458M	A2	11	1N434A STC108 HD6154	A21 ▼ A21	1N458 ED2839 HD6189	▼ A21	USN1N485B MP3512 1249559-11	D07 A22	STC107 HD6007	A21 A21	
1N459	A21	11	1N302A SD20 HD6008	▼ C1 A21	1N459M CK863A 744993-20	▼ A21	1N486B ED2840 1249959-11	D07 A22	1N1849 MQ4551	▼ A21	

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N461	A21	11	1N350 1N483B DXX764-1000-2# 1776085	C1b A62 A1	1N457 1N890 ED2834 7434802	A21 A21 A22	1N457M FD125 HD6001	A2 A2 A21	1N461M FD326 L291664-5 #	A2a A22	
1N462	A21	11	1N301 1N483B ED2835	A62	1N458 PD129 MP3512	A21 A2 A2	1N458M SG132 HD6002	A2 D07 A21	1N462M TI622C	A2a C3	
1N463	A21	11	1N302 CK863 HD6003	A23a A21	1N459 TI624C HD6064	A21 C3	1N459M ED2836	A2	1N463M MQ4551	A2a ▼	
1N463A	A46	11	1N485 1N486A 1N487B	D07 D07 2JC2189H04	1N485A 1N486AM A1	D07 A2A A22	1N485B 1N486B 1249959-12	D07 D07 A22	1N486 1N486EM	D07 A2a	
1N464	A21	11	1N464M SG133 620098	A2a ▼ A38a ▼ C1	1N485B FD328 925008-4	D07 A22 A23	2JC3636H02	▼	PD130 A10859	A2 ▼ A21	
1N465	C1	13	1N465A KZ2.6 SV3143A 466764-1	A21c A45	1N465A2.1V S322-1098-P1 # SV3144A D615019-39 #	C1	1N702 575R743H06 SV3145A 720670-35	D07 A27 A45 ▼	1N702A SV3120 PS6465 925251-12	D07 A45 A48c A14	
1N465A		13	1N702A 720670-35	D07 ▼ A21	SS3144	A27	SV3144		SV3144A	▼ A45	
1N465A2.1V	C1	13	1/4M3.0AZ HS11 SV3144A	A22 A45	1N465A HS12 PD6000	A109	1N702A PS1175 720670-35	D07 A21	1N3395 SS3144	P5 A27	
1N466	C1	13	1N471 1N746A KZ3.4 TI650C0	C1 A1 A21c ▼ C3	1N471A-3V USN1N746A A1 CVC6013-5	C1 A1 A63 ▼ C3	1N703 1N747A S322-1098P3 FS6466	D07 A1 C1	1N703A USN1N747AM S322-1098P3 # 466764-2	D07 A1 #	
1N467	C1	13	1N472 USN1N748AM TI650C4	C1 A1 466764-3	1N704 1N1927A 1979107-2	D07 ▼ A1	1N705A TI650C 720670-77	D07 C3 N12d	1N748A TI650C3 900120-86	A1 ▼ C3 A101	
1N467-3	C1	13	1N705A 720670-77	D07 ▼ N12d	1N1927A	▼ A1	TI650C3	▼ C3	TI650C4	▼	
1N467-7	C1	13	1N465A SS3144	A27	1N702A SV3144		L531-003711 # SV3144A	A45	PS1176 720670-35	▼ A21	
1N468	C1	13	1N468A 1N1955 S322-1098P4 # 925251-13	▼ A1	1N473 1N473A 1N1484 1Z4.7A	C1 C1 DO3	1N705 1N705 1N705 1617451-1	D07	USN1N751AM SV122 A46 466764-4	A1 C1 L221821-1	
1N468-3 #			see S322MR060P002								
1N468-3 #			see S322MR060P003								
1N468A	C1	13	1N473A 1N1484 1Z4.7A	▼ C1 ▼ C1 DO3	1N674 1N1508A 322MR060-P003	▼ C1	1N750A 1N1519A D615002-4	A1 DO3	USN1N750A 1N3510	A1 DO7	
1N469	C1	13	1N469A 1N706A 1N1956 2003238	▼ C1	1N474 1N708 S322-1098P2 #	C1 A21	1N474A6.2V 1N762 466764-5	C1 D07	1N706 1N1929 1777516	D07 C1	
1N469A	C1	13	1N474A6.2V 1Z5.8T5 SV1007 D615010-38	▼ C1 DO3 A31	1N706A 25C2365H02 CD3123 1777516	D07 A23 C1	1N709A WSTR7 PS6469A	D07 C1	1N1485 SV124 B484529-6	#	
1N470	C1	13	1N470A 1N1510 1N2034 911D18-3	C1 DO12 A1	1N475 1N1521 SV126 466764-6	C1 DO3 ▼ D07 #	1N707 1N1930 202-363 615010-28	D07 A31 A1	1N763 1N1957 911D12-3 2031177	D07 A1 ▼ A1	
1N470A	C1	13	1N763A CD3124 20191613-5	▼ A1	SV126 A23 D615002-7	▼ A1	911D18-3 SV3170 A45	A1 A45	SV1009 1979832-4	▼ A27	
1N471	C1	13	1N466 1N746A A63	▼ C1 A1 ▼	1N471A-3V USN1N746A S322-1098P3	C1 A1 C1	1N703 1N747A C1	D07 A1 C3	1N703A USN1N747AM CVC6013-5	D07 A1 ▼ C3	
1N471A	D07	13	1N471A-3V	▼ C1	1N703A	D07	1N747A	▼ A1	USN1N747AM	▼ A1	
1N471A-3V	C1	13	1N471A	▼ DO7	1N703A	D07	1N747A	▼ A1	USN1N747AM	▼ A1	
1N472	C1	13	1N467 USN1N748AM TI650C4	▼ C1 A1 ▼	1N704 1N1927A D615010-15	D07	1N705A TI650C 720670-77	D07 C3 N12d	1N748A TI650C3 900120-86	▼ A1 C3 A101	
1N473	C1	13	1N468 1N1955 SV1005	▼ C1 A31	1N473A E48 925251-13	C1 A46 ▼ A1	1N705 SV122 1617451-1	D07 A46 A1	1N751AM 322MR060-P001 L221821-1	A1 C1 A8a	

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1N473A	C1	13	1N674 1N1508A 322MR060P003	▼ C1	1N750A 1N1519A	▼ DO3	USN1N750A 1N3510	▼ A1 DO7	1N1484 1Z4.7A	▼ DO3	
1N474	C1	13	1N469 1N706A 1N1956 2003238	▼ DO7 ▼ C1	1N469A 1N708 D615002-26	▼ # A21	1N474A6.2V 1N762 1020828	▼ C1 DO7	1N706 1N1929 1777516	▼ DO7 C1	
1N474A6.2V	C1	13	1N469A 1Z5.8T5 SV1007	▼ DO3 ▼ A31	1N706A CD3123	▼ A23	1N709A WSTR7 PS6469A	▼ D07 C1	1N1485 SV124 1777516	▼ C1	
1N475	C1	13	1N470 1N1521 SV126 615010-28	▼ DO3 ▼ DO7 ▼ A1	1N707 1N1930 202-363 2031177	▼ A31 ▼ A1	1N763 1N1957 911D12-3	▼ DO7 A1	1N1510 1N2034 911D18-3	▼ DO12 A1	
1N475A	#		see 720670-31								
1N482	DO7	11	1N482A 1N482C PS005A ED2801	▼ A38	1N482AM 1N482M DXX764-1000-3# HD6132	A2a A2a A21	1N482B 1N483B DP#11352-05-900	▼ A62 DO7 100#	1N482BM 1N898	A2a A2	
1N482A	DO7	11	1N482AM 1N483A 1N483C HD6132	▼ A62 A21	1N482B 1N483AM G18 DP#11352-05-900	▼ A2a A2a # 101 #	1N482BM 1N483B DXX764-1000-4#	A2a A62 A21	1N482C 1N483BM ED2801	A2a	
1N482B	DO7	11	1N482A 1N483A 1N483C	▼ A62	1N482AM 1N483AM ED2801	A2a	1N482BM 1N483B HD6132	▼ A62 A21	1N482C 1N483BM	A2a	
1N483	A62	11	1N458A 1N483B 1N484B	▼ DO7	1N483A 1N483C 1N484BM	A46 A2a A2a	1N483AM 1N484A 1N484BM	▼ A62 DO7	1N483B 1N484AM DP#11352-05-900	A62 A2a 02#	
1N483A	A62	11	1N458A 1N483C 1N484BM DP#11352-05-900	▼ DO7 103#	1N483AM 1N484A 1N484C	A46 A2a A2a	1N483B 1N484AM G18	▼ A62 #	1N483BM 1N484B DXX764-1000-5#	A2a DO7	
1N483B	A62	11	1N458A 1N483C 1N484BM	▼ A46 A2a	1N483A 1N484A 1N484C	▼ A62 DO7 129411-1	1N483AM 1N484AM 129411-1	A2a A2a ▼ A1	1N483BM 1N484B	A2a DO7	
1N484	DO7	11	1N484A 1N485B 1N487	▼ DO7 DO7	1N484B 1N486 1N487A	▼ DO7 DO7 1293411-1	1N485 1N486A 2JC2189H04	▼ DO7 DO7 A1	1N485A 1N486B 2JC2189H04	▼ DO7 DO7 HD6792	
1N484A	DO7	11	1N484AM 1N485A 1N486B	▼ DO7 DO7	1N484B 1N485B DXX764-1000-6#	A2a DO7	1N484BM 1N485C CD1115	▼ A2a	1N484C 1N486A	▼ DO7 DP#11352-05-900	
1N484B	DO7	11	1N484AM 1N485A 1N486B	▼ DO7 DO7	1N484B 1N485B CD1115	▼ DO7 DO7	1N484BM 1N485C 1249959-12	▼ A22	1N484C 1N486A	▼ DO7	
1N485	DO7	11	1N485A 1N486B 2JC2189H04 1105477	▼ DO7 DO7	1N485B 1N487 2JC2189H11 1249959-12	▼ DO7 DO7 A1 DO7	1N486 1N487A 1N488A 1856963	▼ DO7 DO7 DO7 #	1N486A 1N488A 1002390	▼ DO7 DO7 A1	
1N485A	DO7	11	1N459AM 1N485C 1N486BM	▼ A2a CD1115	1N485AM 1N486A CD1115	A2a DO7	1N485B 1N486AM DP#11352-05-900	▼ A2a DO7 07#	1N485BM 1N486B	A2a DO7	
1N485B	DO7	11	1N459AM 1N485BM 1N486B	▼ DO7	1N485A 1N485C 1N486BM	A2a A2a A2a	1N485AM 1N486A CD1115	▼ A2a DO7 ▼	USN1N485B 1N486AM 1249959-12	▼ DO7 A2a A22	
USN1N485B	DO7	11	1N459AM 1N485B 1N486B 1249959-12	▼ DO7 A22	1N485A 1N485C 1N486BM	▼ DO7 A2a	1N485AM 1N486A 84-27-06	▼ A2a DO7 #	1N485B 1N486AM CD1115	▼ DO7 A2a	
1N486	DO7	11	1N486A 1N487AM 1N488 2JC2189H04 1105477	▼ DO7 DO7 DO7 DO7	1N486B 1N487B 1N488A 2JC2189H11	▼ DO7 DO7 DO7 A1	1N487 1N487B 1N488B DP#11352-05-900	▼ DO7 DO7 DO7 108#	1N487A 1N487M 1N645 D617834-5	▼ DO7 A2a A1	
1N486A	DO7	11	1N486AM 1N487BM FD319 DP#11352-05-900	▼ A2a A22 DO7 09#	1N486B 1N645 DXX764-1000-7#	A2a A2a A22	1N486BM 1N3578 ED2815	▼ A2a A84a	1N487B 2JC2189H04	A1 A21	
1N486B	DO7	11	1N486A 1N487BM ED2815	▼ DO7 A2a	1N486AM 1N3578 HD6136	A2a A84a A21	1N486BM 2JC2189H04	▼ A2a A1	1N487B FD319	A22	

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1N487	DO7	11	1N487A 1N487M 2JC2189H11	▼ D07 A2a A1 1105477	1N487AM 1N488 1105477	A2a DO7 DO7	1N487B 1N488A	▼ D07 DO7	1N487BM 1N488B	A2a DO7	
1N487A	DO7	11	1N487AM 1N488AM D617834-6	▼ A2a A2a #	1N487B 1N488B	DO7	1N487BM 1N488BM	A2a A2a	1N488A 2JC2189H11	▼ DO7 A1	
1N488A	DO7	11	1N488A 2JC2189H11 MC140A	▼ A1 A2a	1N488AM MC130	A2a A2a	1N488B MC130A	DO7 A2a	1N488BM MC140	A2a A2a	
1N497	DO7	11	1N273 1N452 910D59-3	▼ D07 D07	1N277 1N458A ED2010	DO7 A46	1N283 1N461A 10911E	▼ DO14	1N309 S254G	▼ A23d DO7	
1N500	DO7	11	1N277 1N453 T8G	▼ D07 D07	1N281 1N772 T9G	DO7	1N305 1N774 C202-321	▼ DO7 A1	1N307 1N775 527758	▼ A23 DO7	
1N506		12	1N1118 1N1234 320M	▼ D04 S25 426-100D1	1N1223 1N1542 S4b	DO1 DO4	1N1224 1N1566A 307H	▼ DO1 C14 DO1	1N1233 1N1911 308M	▼ S25 A86 S25	
1N521		12	1N443 1N604A 1N649TH	▼ DO3 DO1 A54	1N444 1N605A 1N947	DO3 DO1	1N445 1N606A SLA444	▼ DO1 A69	1N603A 1N648TH PS674	▼ DO1 A54	
1N531	A23	12	1N443 1N602A 1N3545	▼ D03 A23 A1	1N444 1N603A PS674	DO3 DO1	1N538 1N604A 2016286-2	▼ DO1 A1	1N551 1N605A	▼ DO4 DO1	
1N532	DO2	12	1N443 1N604A 1N649TH	▼ D03 DO1 A54	1N444 1N605A 1N947	DO3 DO1	1N445 1N606A SLA444	▼ DO1 A69	1N540 1N648TH PS674	▼ DO1 A54	
1N534	DO4	12	1N444 1N605A 1N689 2016492-1	▼ D03 DO1 A1 A31	1N535 1N606 1N1256	DO2 DO1 A53	1N537 1N606A 1N1257	▼ DO3 DO1 A53	1N605 1N649 HR10317	▼ DO1 A1	
1N535	DO4	12	1N606A 1N2505	▼ D01 A6 2016492-1	1N547 USAF1N649 2016492-1	DO1 A1 A31	1N548 1N689	▼ A1	1N562 1N1257	▼ DO4 A53	
1N536	DO3	12	1N537 1N1556 1N2609 2157083-1	▼ D03 A31a A34a	1N538 1N1644 1N2858	DO1 A53 DO2	1N607 1N1644 DI505	▼ DO4 A53 A38b	1N1487 1N2103 816B520-1	▼ DO3 A53	
1N537	DO3	12	1N440B 1N1646 1N3229 D617834-17	▼ # D03 A53 A111 2JC4261-6	1N538 1N1647 2JC4261-6	DO1 A53	1N1487 1N2610 SD91A	▼ DO3 A31a DO3	1N1488 816B520-2	# DO3	
1N538	DO1	12	1N442B 1N540 1N1490 1N2612	▼ D03 DO1 A31a	1N443B 1N1029 1N2069 816B520-3	DO3 A73 A3c #	JAN1N538 1N1488 1N2070 D617834-8	▼ DO1 DO3 A3c #	1N539 1N1489 1N2611 D617834-8	▼ DO3 DO3 A3c #	
JAN1N538	♦	DO1	12	1N442B 1N540 1N2069 576R570H01	▼ D03 DO1 A3c #	1N443B 1N1488 1N2070 2028462	DO3 DO3 A3c #	1N538 1N1489 1N2611	▼ DO1 DO3 A31a	1N539 1N1490 1N2612	▼ DO3 A31a
1N539	DO3	12	1N442B 1N612A 1N2612 T1618C	▼ D03 DO4 A31a #	1N443B 1N1489 1N3194 816B520-4	DO3 DO3 A50 DO3	1N540 1N1490 A50 D617834-15	▼ DO1 A38f #	1N612 1N2070 A38f 928220-2	▼ DO4 A3c DO3	
1N540	DO1	12	1N443B 1N1096 1N3194	▼ D03 DO3 A50	1N444B 1N1490 1N3278	DO3 DO3 A38f	1N612A 1N1492 816B520-5	▼ DO4 DO3 #	1N1095 1N2070 D617834-7	▼ DO3 A3c #	
1N542	DO7	11	1N54 JAN1N81A 1N541	▼ D07 D07	1N54A 1N128 1N636	DO7 A21 DO7	1N81 A21 ED3	▼ DO7 A22	1N81A 1N128A	▼ DO7 A21	
1N547	DO1	12	1N321 1N560 1N1259 FS060	▼ D03 A46	1N321A 1N561 1N2505	DO2 DO3 A6	1N328A 1N606 1N2878	▼ DO2 DO1	1N535 1N1257 1N2879	▼ DO2 A53	
1N551	DO4	12	1N443B 1N555 1N3749	▼ D03 DO4 A38f	1N445B USN1N1124A 50E2	DO3 DO4 A3c	1N553 1N3546 50E8	▼ DO4 A1 A3c	1N554 1N3549 DI650	▼ DO4 A1 A38b	

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1N553	DO4	12	1N443B 1N1126A 50E8	▼ A3c	1N445B 1N3549 SLA445B	▼	DO3 A1 A69 A38b	1N554 1N3749 DI650	▼	DO4 A38f A38b	1N555 50E4	▼	DO4 A3c	
1N554	DO4	12	1N444B 1N3549 SLA445B	▼	DO3 A1 50E5 A69 DI650	▼	DO3 A3c A38b	1N555 50E8	▼	DO4 A3c	1N1128A SLA444B	▼	A69	
1N555	DO4	12	1N445B SLA445B	▼ A69	1N1128A CODI538	▼	A75	1N3549 CODI618	A1 A76	50E8 DI650	A3c A38b			
1N560	DO3	12	1N321 1N548 1N1260		1N321A USN1N560 1N2505	▼♦	DO2 DO3 A6	1N328 1N561 1N2880	▼	DO3	1N328A 1N1259 USN1N3649M	DO2 DO4		
USN1N560	♦	DO3	12	1N321 1N548 1N1260		1N321A 1N560 1N2505	▼	DO2 DO3 A6	1N328 1N561 1N2880	▼	DO3	1N328A 1N1259	DO2	
1N561	DO3	12	1N322 1N549 1N2776		1N322A USN1N561 A40a 1N3563	♦	DO2 DO3 A50	1N329 1N563 USN1N3650M	▼	DO4 DO4	1N329A 1N1261	DO2		
1N562	DO4	12	1N328 1N563 1N3256	▼	DO4 A50a 2268525	1N328A 1N2773 2268525	▼□ A41	DO2 A40 A40a	1N329 1N2774	A40a	1N329A 1N3196	DO2 A50		
1N563	DO4	12	1N329 1N2776 DR1100		1N329A A40a A1	DO2 A38f	USN1N561 1N3563	♦	DO3 A50	1N2617 50E12	A31a A3c			
1N588	A8a	12	1N2375 1N3283		1N589 1N2504 1991453	▼	A8a A6 A8a	1N590 1N2630 SL588	▼		1N1410 1N2635			
1N589	A8a	12	1N2890 720680-9	▼	1N1140 1N3285	▼	S14c DO7	1N1732 SA1733	▼	A48d	1N2361 SA1734	▼	DO1	
1N590		12	1N2375 1N2883		1N588 1N2504 SL588	▼	A8a A6	1N589	▼	A8a	1N1410			
1N596		12	1N547 1N606 2SS80	▼	DO1 DO1	1N560 1N687 PS060	▼♦ ▼ ▼	DO3 A1 A46	1N561 1N854 488231	▼	DO3 A21 A6	1N597 1N1257 2016492-1	▼	A53 A31
1N597		12	1N321 1N560 1N1730	▼	DO3 A48c 488231	1N321A 1N561 488231	▼□ A6	DO2 DO3 A21	1N328 1N854 D617834-9	#	1N328A 1N856	DO2 A21		
1N598		12	1N561 1N2372 2W12A	▼	DO3 S4b A45	1N856 1N2502 TM126	▼	A21 A6	1N867 1N2503	A21	1N1730 1N2890	▼	A48c	
1N599	DO1	12	1N323 1N1028 DI505	▼	DO2 A73 A38b	1N323A 1N1251 TM5	▼	DO2 A53	JAN1N538 10J2	▼♦ ▼	DO1 DO3	1N599A 40-16133	▼	DO1 A6a
1N600	DO1	12	1D-20-1 1N551 1N1692 PS410A	▼	A1 DO4 DO3	1N324A 1N600A 1N2847	▼	DO4 DO1 S35	1N325A 1N1252 1N3544	DO2 A52 A1	JAN1N538 1N1253 HMP-3A	▼♦ ▼ ▼□	DO1 A53 A53	
1N601	DO1	12	1N345 1N534 1N604 1N1256	▼	DO4 DO4 DO1 A53	1N443 JAN1N538 1N605 PA320A	▼	DO3 DO1 DO1	1N444 1N601A 1N605A	DO3 DO1 DO1	1N531 1N602 1N606	▼	A23	
1N602	DO1	12	1N345 1N534 1N605 PA320A	▼	DO4 DO4 DO1	1N443 JAN1N538 1N605A	▼	DO3 DO1 DO1	1N444 1N602A 1N606	DO3 DO1 DO1	1N531 1N604 1N1256	▼	A23 DO1 A53	
1N602A	DO1	12	1N443 1N551 1N3545	▼	DO3 DO4 A1	1N444 1N603A PS674	▼	DO3 DO1 2016286-2	1N531 1N604A 2016286-2	▼	A23 DO1 A1	JAN1N538 1N605A	▼♦ ▼	DO1 DO1
1N603A	DO1	12	1N443 1N604A 1N649TH	▼	DO3 DO1 A54	1N444 1N605A 1N947	▼	DO3 DO1	1N445 1N606A SLA444	DO1 A69	1N540 1N648TH PS674	▼	DO1 A54	
1N604	DO1	12	1N443 1N540 1N606 1N1257	▼	DO3 DO1 DO1 A53	1N444 1N604A USAFA1N649 D617834-18	▼	DO3 DO1 A1	1N534 1N605 1N689	DO4 DO1 A1	1N535 1N605A 1N1256	▼	DO2 DO1 A53	
1N605	DO1	12	1N444 1N605A 1N689 2016492-1	▼	DO3 DO1 A1 A31	1N534 1N606 1N1256	▼	DO4 DO1 A53	1N535 1N606A 1N1257	DO2 DO1 A53	1N547 USAFA1N649 HR10317	▼	DO1 A1	

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 ♦ — PREFERRED TYPE — MIL-STD 701
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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.			
1N605A	DO1	12	1N444 1N648TH	▼	DO3 A54	1N445 1N649TH	A54	1N547 1N947	▼	DO1	1N606A SLA444	DO1 A69	
1N606	DO1	12	1N535 1N606A 1N2505	DO2 DO1 A6	1N547 USAF1N649 2016492-1	▼♦ A1	DO1 1N689 A31	1N548 1N689	▼	A1	1N562 1N1257	▼♦ A53	
1N607	DO4	12	NA1 1N1040 1N2266 4740CR	▼	S4b S66 DO4 S4b	TM1 1N1046 IN2267	S83 S35	1N607A USN1N1124A TM4	▼	DO4 DO4 DO4 RE8	1N1034 1N2026 S65 DO4 S19a	▼♦ DO4	
1N608	DO4	12	1N608A 1N614 1N2536 2222636	DO4 DO4 S35 ▼□	1N614A IN2538 S26	DO4 DO4 S35	1N609 1N614A C202-356	▼	DO4 DO4 DO4	1N612A USN1N1124A 910D195	▼♦ DO4 DO4 S4b	DO4	
1N609	DO4	12	1N609A 1N612 USN1N3190	DO4 DO4 ▼♦ A31a	1N610 1N612A	▼	DO4 DO4	1N610A 1N1415	▼	DO4	1N611 1N1566 TM51	DO4 C14	
1N612	DO4	12	1N612A 1N614A USN1N3190	▼♦ DO4 DO4	1N613 1N1126A	▼	DO4	1N613A 1N1415 TM51	▼	DO4	1N614 1N1566	DO4 C14	
1N612A	DO4	12	1N613A 1N2222A 1N3759	DO4 DO4 A38f	1N614A IN2223A	▼	DO4 S35	1N1126A IN3190	▼	A31a	1N1415 1N3191	A31a	
1N614	DO4	12	1E6 1N2222A 1N3759	A3c DO4 A38f	1N614A IN2223A SM180	▼	DO4 S35 A84	1N1128A 1N2223A 2016730-1	▼	S35 A84	1N2222 1N3191	DO4 A31a	
1N614A	DO4	12	1E6 1N3191	A3c A31a	1N1128A 1N3759	A38f	1	1N2222A	DO4	1N2223A	S35		
1N625	A21	14	1N251 1N691 TI251	▼ ▼	1N625M IN925 A110	DO7 PS721	A2a A46	1N626 1N926 HD6614	▼	A21 A46	1N626M 1N3668 2167591	A2a DO7 ▼□ A21	
1N626	A21	14	1N626M 1N660 1N691 1391107	A2a A1 DO7 ▼□ DO14	1N659 1N660AM SG211	▼	A1 A2a	1N659A 1N660M PS721	▼	DO7 A2a	1N659M 1N661M PS732	A2a A2a	
1N627	A21	14	1N627M 1N806 755-402108 # 617893-1	▼ ▼	A2a A2a ED2854	1N628 1N806M ED2854	A21 A2a	1N628M 1N3070 HD6573	▼	A2a DO12	1N660M 8-7453 HD6648	A2a A21	
1N628	A21	14	1N628M 1N807M HD6573	A2a A2a	1N629 16A27 HD6649	▼	A21 A21	1N629M FD233	▼	A2a A22	1N807 ED2855		
1N629	A21	14	1N629M 1N803M ED2855	A2a A2a	1N661A 1N807 HD6649	A21	1	1N779M 1N807M	▼	A2a A2a	1N803 DR833	A46	
1N643	DO7	14	1N643A 1N661M PD109	▼	A21 A2a A2	1N643M 1N779 S856G	A2 A21 #	1N661A 1N779M CGD879	▼	A2a	1N661AM USN1N3070 PS1064	A2a A22	
1N643A	A21	14	1N643AM 1N842M	A2a A2a	1N809 576R374H01	▼	A38d	1N809M	▼	A2a	1N842		
USAF1N645	♦ A1	11	1N645A 1N647 TI305 # 1225359-3	▼♦ #	A1 A1 A1 PO57462-501-21	1N645B 1N3728 A21	1N645-2 05-900106	▼	A1	1N646 C202-335 632281-001	▼♦ #	A1	
1N645-2	A1	11	USAF1N645 1N647	▼♦	A1 A1	1N645A 1N3728 632281-001	A1	1N645B C202-335 1225359-3	▼	A1	1N646	▼	A1
1N646	A1	11	USAF1N646 1N3657 5E5 L531-000-421-2	▼	A1 A60 A35a	1N647 1N3658 MC050 PS5303	A1 A60 A2a A46	1N648 1N3728 MC050A 1225359-3	▼	A1 A21 A2a A1	USAF1N649 1N649 MP500	▼♦ A1 A1	
USAF1N646	A1	11	1N646 USAF1N649 5E5 L531-000-421-2	▼♦	A1 A1 A35a	1N647 1N3657 MC050 PS5303	A1 A60 A2a A46	1N648 1N3658 MC050A 1225359-3	▼	A1	1N649 A60 MP500	A1 A21	
USAF1N647	♦ A1	11	1N647 1N3728 MC050A MP600	▼♦	A1 A21 A2a	1N648 5E5 MC060 PS5304	A1 A35a A2a A46	1N649 5E6 MC060A 1225359-3	▼	A1	1N3658 MC050 A2a PS5303	A60 A2a	
1N648	A1	11	1N649 MC050 MP500 PS5304	▼	A1 A2a	1N3658 MC050A L531-000-421-4	A60 A2a A46	5E5 MC060 MP600	▼	A35a A2a	5E6 MC060A PS5303	A35a A2a	

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
1N649	A1	11	USAF1N649 ▼♦	A1 A2a A46	1N3658 MC060A	A60 A2a	DRS2 L531-000-421-5#	A22	5E6 MP600	A35a
USAF1N649 ♦	A1	11	1N649 ▼	A1 A2a A46	1N3658 MC060A	A60 A2a	DRS2 L531-000-421-5#	A22	5E6 MP600	A35a
1N658	DO7	14	1N643 ▼	D07	1N658A	A2a	1N658M 1N837AM USN1N3070	A2 A2a A22	1N663A 1N837M DR521 CGD871	A46 A2a
USA1N658 ♦	DO7	14	1N658A 1N837A 1N844M	A2a	1N658M 1N837AM USN1N3070	A2 A2a A22	1N663A 1N837M DR521	A46 A2a	1N663M 1N844 764-1000-1 □	A2a A21
1N659	A1	14	1N659A 1N660M TI252	D07 A110	1N659M 1N661M TI253	A2a A2a A110	1N660 1N3064 120001-001 #	A1	1N660AM PD124 1391107	A2a A2
1N660	A1	14	1N660A 1N697 1N928 120001-002 #	D07 A46	1N660AM 1N778 1N928M 120001-005 #	A2a A21 A2a	1N660M 1N798 TI253 1391107	A2a A46 A110	1N661M 1N798M PS7270	A2a A2a
1N661	A1	14	1N661A PD109	A2	1N661AM	A2a	1N661M 120001-006 #	A2a	1N779M	A2a
1N661A		14	1N661AM	A2a	1N661M	A2a	PD109	A2		
1N662	A1	14	1N252A JAN1N662 ♦ 1N798M USN1N3070 CGD879 #	D07 A1 A2a A22	1N643 ▼ 1N697 1N916M 1N3206	D07 A1 A2a A22	1N658 ▼ 1N778 1N928 1N3568	D07 A21	1N660A 1N798 1N928M S856G	DO7 A46 A2a
1N663	DO7	14	1N658 1N663A 353-3083-00 □	D07 A46	1N658AM 1N663M 764-1000-1 □	A2a A2a D07	1N662A A2a USN1N3070 L682034-2	A21 A22 A21	JAN1N663 FD200	DO7 A22
1N664		13	1N756A ▼ 1N3154 ▼ 1N3156 1N3516	A1 D07 D07 D07	USN1N756AM ♦ 1N3154A 1N3156A	A1 D07 D07	1N959B D07 FZ8.2T5	D07 D07 A21c	1N3018B 1N3155A 575R786H05	A31a DO7 A23
1N665		13	1N759A ▼ 1N1513A ▼ 575R786H02 ▼	A1 A23	USN1N759A ▼♦ 1N1524A 615010-10	A1 D03 ▼□ A1	1N963B ▼♦ D07 1N3520	A1 D07	1N1426 USN1N963B	▼♦ DO7
1N666		13	1N965B 1N3024B ▼ PR620	D07 A31a A6	USN1N965B ▼♦ 1N3522 SV1020	D07 D07 2031401	1N1427 ▼ 1Z15A ▼ 2031401	D03 D03 A25	1N1525A FZ15T5	DO3 A21c
1N668		13	1N968B 1N1880A ▼ SV1033 ▼	D07	USN1N969B ▼♦ 1N3526 720670-28	D07 D07 ▼□ A19	1N1516A ▼ PZT22A A19	A31a	1N1527A ▼ FZ22T5	DO3 A21c
1N669		13	USA1N669 ▼ 1N1430 ▼ FZ27T5	A87 A21c	1N971B 1N1528A SV4027A	D07 D03 A45	USN1N971B ♦ D07 1N1781A A45 2061905	D07 D07 A31 D03	1N1361A ▼ 1N3528 8991179-15	DO4 DO7 DO3
USA1N669	A87	13	1N669 ▼ 1N1528A SV4027A	D03 A45	1N971B 1N1781A 2061905	D07 A31 ▼□ S28	USN1N971B ♦ D07 1N1781A A45 2061905	D07 D07 A31 D03	1N1430 ▼ FZ27T5	A21c
1N670		13	1N981B 1N3040B ▼	D07 A31a	USN1N981B ♦ 1N1050-36	D07 A31a	1N1431 ▼ 1050999	D07 A9	1N1791A ▼ 1060472-1	A31 A31
1N672		13	1N989B ▼ AV4150	D07 S10	11-750-02-984-▼ AV4155	C5a S10	AV2150 617941-4	A19 S28	AV2155	A19
1N673		12	1N553 ▼ 1N648TH SG1007 ▼	D04 A54 D07	1N554 ▼ 1N649TH 180654	D04 A54 ▼□ A1	USN1N561 ♦ 10AL8 180655	D03 A77a A1	USA1N647 ▼♦ 10AL10 2268525	A1 A77a A41
1N675		13	1N753A ▼ 1N827A 1Z6.2T5	A1	1N821A 1N1483 SV2007	D07	1N823A 1N1485 816141-1	D07 D07 ▼□ N12a	1N825A 1N3513	DO7 DO7
1N676	A1	12	1N317A 1N530 1N1100	D02 D02 D01	1N324A ▼ 1N600A 1N3073	D04 D01 D012	1N340 ▼ USA1N645 1N3544	D04 A1 A1	1N440 ▼ 1N677 SA101	DO3 A1 A62
1N677	A1	12	1D20-1 □ 1N1252 1N3544	A1 A53 A1	1N325A 1N1253 HMP-3A	D02 A53 ▼□ A53	1N551 ▼ 1N1692 PS410A	D04 D03	USA1N645 ▼♦ 1N2847 FS420	A1 S35 A46
1N678	A1	12	1N333 ▼ 1N604 TL21 180653	D04 D01 ▼□ A1	1N335 USA1N645 TM23 617834-12	D04 A1 A38	1N342 ▼ 1N685 TJ25A	D04 A1	1N443 ▼ 1N1101 SA301	DO3 A62

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N1206	S27	12	USAF1N1206 1N2584	♦ S27 S35	1N1206A 1N2594 2059880	DO4 S35 S28	1N1206B 1N2595	S35	1N2583 1N2605	S35 S35	
1N1217	DO1	12	JAN1N538 1N1218B 1N1538 WP5053B	♦ DO1 A34a D04 S25	1N1217A 1N1227 1N2536 2030934	DO1 S25 S35 S11a	1N1217B 1N1227A	DO1 S25 D01	1N1218A 1N1537	DO1 S35	
1N1217A	DO1	12	JAN1N538 1N1227A 307A	♦ DO1 S25 DO1	1N1217B 1N1537	DO1 S35	1N1218A 1N1538 WP5053B	DO1 S25 S11a	1N1218B 1N2536 2030934	A34a S35 S11a	
1N1218	DO1	12	JAN1N538 1N1218B 1N1582 307D	♦ DO1 A34a D04 DO1	1N1115 1N1219A 1N1908 WP5053B	DO4 DO1 A86 S25	1N1116 1N1219B 1N2536 WP5053D	DO4 A34a S35 S25	1N1218A 1N1228A	DO1 S25	
1N1219	DO1	12	JAN1N538 1N1219A 1N1539 1N1911	♦ DO1 DO1 D04 A86	1N1116 1N1219B 1N1564A 320C	DO4 A34a C14 DO1	1N1117 1N1229 1N1566A	DO4 S25 C14	1N1118 1N1229A 1N1910	DO4 S25 A86	
1N1220	DO1	12	JAN1N538 1N1564A HR10745	♦ DO1 C14	1N1117 1N1566A	DO4 C14	1N1118 1N1910 307D	DO4 A86 D01	1N1542 1N1911 WP5053D	DO4 A86 S25	
1N1222	DO1	12	1N540 1N1234 320M	DO1 S25	1N1223 1N1542	DO1 DO4	1N1224 1N1566A 307H	DO1 C14 D01	1N1233 1N1911 308M	S25 A86 S25	
1N1223	DO1	12	1N547 1N1233 320KX	DO1 S25	1N1224 1N1234 320M 767246A	DO1 S25 #	1N1225 1N1236 426-10001	A34b S25 S4b	1N1226 308M	DO1 S25	
1N1224	DO1	12	1N547 1N1234	DO1 S25	1N1443 1N1236	DO1 S25	1N1225 308M	A34b S25	1N1226 320M	DO1	
1N1225	A34b	12	JAN1N560 1N1443B 1N2407	♦ DO3 A34a C8	1N1226 A34a 1N1444	DO1 S25	1N1236 1N1916	S25 D013	1N1443 1N2398	DO1 A32	
1N1226	DO1	12	JAN1N560 1N1444 1N2416	♦ DO3 S25 C9	1N1236 1N1916 1N2425	S25 DO13 F8	1N1443 1N2398	DO1 A32	1N1443B 1N2407	A34a C8	
1N1227	S25	12	USN1N1124A 1N1218A 1N1538 WP5053B	♦ DO4 DO1 D04 S25	1N1217 1N1218B 1N2536 2030934	DO1 A34a S35 S11a	1N1217A 1N1227A 307A	DO1 S25 D01	1N1217B 1N1537	A34a S35	
1N1231	S25	12	1N1118 1N1233 1N1911 426-10001	DO4 S25 A86 S4b	1N1126A 1N1542	DO4	1N1223 1N1566A	DO1 C14	1N1224 1N1910 307H	DO1 A86 DO1	
1N1233	S25	12	1N1128A 1N1226 320M	DO1	1N1223 1N1234 426-10001	S25 S25 S4b	1N1224 1N1236	DO1 S25	1N1225 308M	A34b S25	
1N1234		12	1N1128A 1N1236	S25	1N1224 1N1443	DO1	1N1225 308M	A34b S25	1N1226 320M	DO1	
1N1236	S25*	12	1N1226 1N1916 1N2425	DO1 DO13 F8	1N1443 1N2398 1N3649	A32 DO4	1N1443B 1N2407	A34a C8	1N1444 1N2416	S25 C9	
1N1238		12	1N1150 1N2367		1N1150A 1N2368	DO4	1N1237 1N2369		1N2366 1N2667	DO4	
1N1239		12	1N3764	A107							
1N1251	A53	12	1N536 1N1252 1N2091	DO3 A53 M21	JAN1N538 1N2080 1N2847	DO1 A53 S35	1N1028 1N2081 HMP1A	A73 A53 40-16133	1N1029 1N2090 40-16133	A73 M21 A6a	
1N1253	A53	12	1N551 1N1255 PT520	DO4 A53	1N553 1N1693 CEC4050	DO4 DO3	1N1169 1N1694 D617834-13	A34b D03 #	1N1254 PS140 2016337-1	A53 A47 A47	
1N1254	A53	12	1N553 HMP4A PS140	DO4 # A47	1N1169 PT5 PT530	A34b	1N1255 SR40 PT540	A53	1N1694 TK41 CEC4050	DO3 A47 A47	

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♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT											
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.				
1N685	A1	12	1N256 1N560 1N606 1N1257	▼ ▼ ▼ ▼	D04 DO3 DO1 A53	1N444 1N561 USAF1N649 PS060	▼ ▼ ▼♦ ▼	D03 A1 A46	1N534 1N605 1N687	▼ ▼ ▼	D04 DO1 A1	1N547 1N605A 1N854	▼ ▼ A21	
1N687	A1	12	1N321 1N606 2SS80	▼ ▼ ▼	DO1	1N547 USAF1N649 PS060	▼ ▼♦ ▼	D01 A1 A46	1N560 1N854 488231	▼ ▼ ▼□	D03 A21 A6	1N561 1N1257 2016492-1	▼ ▼ A31	
1N689	A1	12	1N328 USAF1N649 TM62	▼ ▼♦ ▼	A1	1N328A 1N2773 TM65	▼	DO2 A40 2268525	1N562 1N3196 ▼□	▼ A50 A41	DO4 A50a	1N563 1N3256	▼ A50a	
1N690	DO7	14	1N691 1N922 MA4446	▼ ▼ ▼	D07 D07 D07	1N692 1N3298 720608-6	▼ ▼ ▼□	D07 A46 D07	1N920 1N3653	▼ D07	1N921 576R209H02	▼ DO7	576R209H02	▼ DO7
1N691	DO7	14	1N692 1N923 576R209H02	▼ ▼ ▼	D07	1N693 1N3298 MA4446	▼ ▼ D07	D07 A46 720608-6	1N921 1N3653 ▼□	D07	1N922 576R209H01	#	DO7	
1N695		14	1N663M 1N778 DR362 A8950093-4	▼ ▼ ▼ #	A2 DO7	1N695A 1N835 DR482	▼	DO7	1N699 1N2801 A8950093-2	▼ D07 A1-	1N777 G128 A8950093-3	#	DO7	
1N702	DO7	13	1N465 SV3120 D615010-46	▼ ▼ #	C1 A45	1N465A2 SV3143A 720670-35	▼ ▼ ▼□	C1 A45 A21	1N720A SV3144A 925251-12	▼ ▼ ▼	D07 A45 DO14	575R743H06 SV3145A 2019613-4	▼ ▼ #	A27 A45
1N702A	DO7	13	1N465A D615010-47	▼ #		SS3144 720670-35	▼□	A27 A21	SV3144 1979107-1	▼ #		SV3144A	▼	A45
1N703	DO7	13	1N466 1N746A A63	▼ ▼ ▼	C1 A1	1N471 USN1N746A S332-1098P3	▼ ▼♦ ▼	C1 A1 C1	1N471A-3V 1N747A TI650C0	▼ ▼ ▼□	C1 A1 C3	1N703A USN1N747AM CVC6013-5	▼ # ▼□	DO7 A1 C3
1N703A	DO7	13	1N471A-3V	▼	C1	1N747A	▼	A46	USN1N747AM	♦	A1			
1N704A	DO7	13	1N1507A 1N3508	▼ ▼		1N1518A DO7 PS1423	▼ D07 A48d	D03	1N1588A			1N1599A		
1N705	DO7	13	1N473 E48 L221821-1	▼ ▼ ▼□	C1 A46 A8a	1N468 SV122 925251-13	▼ ▼ ▼□	C1 A1	USN1N751AM 322MR060-P001 1617451-1	▼♦ ▼ ▼	A1 C1 C1	1N1955 SV1005 2019613-1	#	
1N705A	DO7	13	1N467-3 1N1927A 1979107-2	▼ ▼ ▼□	C1 A1	USN1N748AM TI650C3	♦ ▼□	A1 C3	1N748A TI650C4	▼ ▼	A1	USN1N751AM 720670-77	▼♦ ▼□	A1 N12d
1N706	DO7	13	1N469 1N702 1N1929 2019613-2	▼ ▼ ▼ #	C1 DO7	1N469A 1N706A 1N1956	▼ ▼ ▼	C1 D07	1N474 1N708 1777516	▼ ▼ ▼	C1 A21 C1	1N474A6.2V USN1N752A 2003238	▼ ▼ ▼□	C1 A1 C1
1N706A	DO7	13	1N469A 1N1485 SV124 D615002-16	▼ ▼ ▼ #	C1	1N474A6.2V 1Z5.8T5 SV1007 1777516	▼ ▼ ▼□ ▼	C1 D03 A31 C1	1N709A 2JC2365H02 CD3123	▼ ▼ ▼	D07 A23	USN1N752A WSTR7 PS6469A	▼♦ ▼ ▼	A1 C1
1N707	DO7	13	1N470 1N1521 1N2034 911D12-3	▼ ▼ ▼ ▼	C1 D03 D012 A1	1N475 USN1N754A SV126 615010-28	▼ ▼♦ ▼ ▼□	C1 A1 A1 A1	1N763 1N1930 202-363 2019613-3	▼ ▼ ▼ #	D07 A31	1N1510 1N1957 911D18-3	▼ ▼ ▼	A1
1N707A	#		see 720670-39											
1N709	DO7	13	1N429 1N3411 L221821-6	▼ ▼ ▼□	C1 A8a	1N709A 1N3513	▼ ▼	D07 D07	1N753 SV124	▼ ▼	A1	1N753A SV1007	▼ ▼□	A1 A31
1N709A	DO7	13	1N429 1N822 1N825 A99250-14	▼ ▼ ▼ ▼	C1 D07 D07 A38d	1N753A 1N823 1N827 720670-41	▼ ▼ ▼ #	A1 D07	1N821 USN1N823 USN1N827	▼♦ ♦ ♦	D07 D07 D07	USN1N821 1N824 202-359	♦ ▼ ▼□	D07 D07 A1
1N712A	DO7	13	1N756A 1N1603A 1N3018B	▼ ▼ ▼	A46 DO4 A31a	1N1416 1N2044A PR511	▼ ▼ ▼		1N1425 USN1N2806B	♦	C5a A6	1N1522A 1N2972B 720670-44	▼ ▼ #	D03 D04
1N713	DO7	13	USN1N757A 1N938B SV131	▼♦ ▼ ▼	A1 D07 D07	1N764A USN1N938B 8991178-11	▼ ♦ ▼	D07 A38d	USN1N935B 1N939B 8991178-11	♦ ▼ ▼	D07 D07 A23	1N936B USN1N939B 2262623	▼ ♦ A62	D07 D07 A62
1N714A	DO7	13	1N1351A 1N1744 PZT10A	▼ ▼ ▼	DO4 A31a	1N1521A 1N1771A PR615	▼ ▼ ▼	A31 A6	1N1523A 1N2498A SV1015	▼ ▼ ▼	D03 D04	1N1604A 1N3020B 720670-46	▼ ▼ #	D04 A31a
1N715A	DO7	13	1N2045B PR516 720670-47	▼ #	S4b	1N2499A PR616	▼	DO4 A6	1N2975B SV1016		D04	1N2975RB SV5020	▼ ▼□	D04

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N716	DO7	13	USA1N716 1N963A Z12	▼ DO7 C18a	1N716A USN1N963B SV135	▼ DO7 ▼ DO7	USN1N759A 1N1933	▼♦ A1	1N759A 1N2037	▼ A1 DO12	
USA1N716	DO7	13	1N716 1N963A Z12	▼ DO7 C18a	1N716A USN1N963B SV135	▼ DO7 ▼ DO7	1N759A 1N1933	▼ A1	USN1N759A 1N2037	▼♦ A1 DO12	
1N716A	DO7	13	1N759A 1N1513A 575R786H02	▼ A23	USN1N759A 1N3520 615010-10	▼♦ DO7 A1	1N963B Z12 615010-48	▼ DO7 #	USN1N963B SV135	▼♦ DO7 DO7	
1N717A	DO7	13	USN1N964B 1N3023B 615010-13	▼♦ A31a ▼ A31	1N1354A 322-1167P10 632704-101	DO4 A31 #	1N1816A PR518 720670-49	▼ S4b #	USN1N2811B PR618 2019599-12	♦ C5a A6 ▼ A25	
1N718	DO7	13	1N718A 1N3417 1979832-2	▼ P5 ▼ A27	1N965A SV138 2031180	DO7 ▼ A1	USN1N965B SV242	▼♦ DO7 A1	1N3404 625014-443	▼ P5 A31a	
1N718A	DO7	13	1N965B GLZ15BDA 720670-50	▼ DO7 #	USN1N965B QZ15T5 2031180	▼♦ DO7 A21c ▼ A1	1N1427 A21c 2031401	▼ A25	1N3522 HZ8141 8991178-16	DO7 A23	
1N719	DO7	13	1M16Z10 USN1N966B SV4015A	▼ DO1 ▼♦ A45	1N767A 1N3523 615002-27	DO7 DO7 ▼ A1	1N966A SV139 720670-6	▼ DO7 A46	1N966B 1174Z 925251-8	DO7 A22a ▼ A45	
1N719A	DO7	13	1N666 SV3146 D632704-102	▼ AV4014 #	1N718A AV4014 925251-7	DO7 S10 ▼ M51	1N965B SV6033 2031180	DO7 ▼ A1	AV2014 AV8014 8991178-16	A19 S11 A23	
1N720	DO7	13	1N967A 1N1515A 1N3524	DO7 DO7	1N967B 1N1935 SV142	DO7 DO7 ▼ A25	USN1N967B 1N3405 2019621-1	▼♦ DO7 A25	1N1515 P5 1N3418	P5	
1N720A	DO7	13	1N967B GLZ18BCA FZ1875 720670-52	▼ DO7 DO7 A21c #	USN1N967B SV142 H28144 C2019621-1	▼♦ DO7 ▼ A25	1N3026B 322-1167-P13 D615010-3	▼ A31a A31 #	1N3524 SV1023 D632704-103	DO7	
1N721	DO7	13	1N968A SV1025 925251-6	▼ DO14	USN1N968B CVC6014-22 2019600-14	▼♦ DO7 ▼ A1	1N3525 CE93903	▼ DO7	SV144 615010-22	DO7 A1	
1N721A	DO7	13	1N968B SV144 615010-22	DO7 DO7 ▼ A1	USN1N968B CVC6014-22 D632704-104	▼♦ DO7 ▼ A1	1N3027B CE93903 925251-6	▼ DO7 DO14	1N3525 D615010-9 2019600-14	DO7 # A1	
1N722	DO7	13	1N668 1N1516 1N3406	DO7 P5	1N722A 1N1516A 1N3419	▼ A46 ▼ P5	1N969A 1N1527 1N3526	DO7 DO3 DO7	USN1N969B 1N1936 SV168	▼♦ DO7 DO7	
1N722A	DO7	13	USN1N969B 1N1429 USN1N2819B D632704-105	▼♦ C5a #	1N1359A 1N1527A PZT22A 720670-28	DO4 DO3 ▼ A19	1N1420 1N1821A PR644	▼ DO4 A6	1N1880A SV1033	▼ DO7	
1N723A	DO7	13	1N970B 1N2986B SV1034 D632704-106	▼ DO4	1N1360RA USN1N3028B SV2045 1979945-1	DO4 ▼ A31a DO3	1N1822A 1Z24T5 SV2160 8950230-32	▼ DO4 DO3 DO4 S28	USN1N2820B PR645 D615010-37 8991179-14	▼♦ C5a A6 # DO3	
1N724A	DO7	13	1N971B 1N1528A AV2027 2124398	DO7 DO3 A19 S28	1N1361A 1N1609A AV4027 8991179-15	▼ DO4 DO4 S10 DO3	1N1421 1N1781A D632704-107	▼ A31	1N1430 1N2988B 2061905	▼ DO4 S28	
1N725	DO7	13	1N725A 1N1782 1N3529	DO7 A31 DO7	1N972A 1N1782A 575R786H06	DO7 A31 A23	1N972B 1N1882A30V 625013-073	DO7 A23	USN1N972B 1N3421	▼♦ DO7 P5	
1N725A	DO7	13	1N972B 1N1782A 575R786H06	DO7 A31 A23	1N972B 1N1882A30V 625013-073	▼♦ DO7 A86	1N1361A 1N3529 625013-074	▼ A86	1N1421 3Z30A D632704-108	▼ DO4	
1N726	DO7	13	1N726A 1N1938	DO7	1N973A 1N2824B	DO7 C5a	1N973B 1N3530	DO7 DO7	USN1N973B D615002-18	DO7	
1N726A	DO7	13	1/4M33Z5 1N3530 PS1504A	A21 DO7 A48e	1N973B GLZ33BCA D632704-109	DO7 DO7 #	USN1N973B F1010	DO7 A31	1N3032B PS1504	A31a A48e	
1N727A	DO7	13	USN1N974B 1N2991B AV8035	DO7 DO4 S11	1N1364A 1N3033B D632704-110	DO4 A31a #	1N1364A36V AV2035	DO4 A19	1N1826A AV4035	DO4 S10	
1N729A	DO7	13	USN1N976B 1N2827B E5T50A43 AV8042	▼♦ C5a A78 S11	1N1741 USN1N2827B E5T50B43 AV8043	DO7 C5a A78 S11	1N1741A 1N2993B A78 S11	DO4 DO4 S10	1N1828A 1N3035B AV4043 2016490-2	DO4 A31a S10 A31	

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1N730	D07	13	1N977A 1N1884A 1N3424	P5	1N977B 1N1940 1N3534	D07	USN1N977B 1N3036B 632704-113	D07 A31a A1	1N1787 1N3410	A31 P5	
1N730A #			see 632704-113								
1N731	D07	13	1N731A 1N1788 8950229-24	A41	1N978A 1N3037A	D07 A31a	1N978B 1N3037B	D07 A31a	USN1N978B 615010-11	D07 A31	
1N731A	D07	13	1N978B 1N3037B	A31a	USN1N978B 615010-34	D07 A31a	1N1742 D632704-114 #	A30	1N1742A 8950229-24	A30 A41	
1N732A	D07	13	USN1N979B USN1N2832B E5T50B56	C5a A78a	1N1369A 1N2999B 50M56ZR5	D07 DO4 TO3	1N1831A 1N3039B D632704-115 #	DO4 A31a	1N2832 E5T50A56	C5a A78a	
1N733	D07	13	1N980A 1N3039A	A31a	1N980B	D07 E5T50A62	USN1N980B	D07 A78a	1N1790	A31	
1N735A	D07	13	1M75Z5 E5T50A75 720670-27	A21	1N982B	D07 A78a	USN1N982B GLZ75BCA	D07 DO7	1N3041B CD3173	A31a	
1N736	D07	13	1N983A 1N1887 1N3042B	A31a	1N983B	D07 P5	USN1N983B 1N2834B D615010-23	D07 C5a	1N1793 IN3042A	A31 A31a	
1N737	D07	13	1N984A 1N3043A	A31a	1N984B	D07 AV2089	USN1N984B	D07 DO7	1N1794 A19	A31 C682742-1	
1N738A	D07	13	1M100Z5 1N3005B S2554	S4b	USN1N985B	D07 DO4 A78a 615003-9	1N1375A E5T50B100 S28	DO4 A78a S28	1N1423 10M100Z5	D04	
1N739	D07	13	1N986A 1N3045A	A31a	1N986B	D07 615011-3	USN1N986B	D07	1N1796	A31	
1N740A	D07	13	1M120Z5 E5T50A120 AV8120	S11	1N2010A	D07 E5T50B120	1N3008B AV2120	DO4 A19	1N3046B AV4120	A31a S10	
1N746A	A1	13	1N471A-3V FZ3.3T5 V908298-04	#	C1 A21c	USN1N746A	▼♦	A1 C1a	1N703A S322-1119P1	D07	
USN1N746A ♦	A1	13	1N471A-3V FZ3.3T5		C1 A21c	1N703A	▼	D07 C1a	1N746A PS1421	D07	
1N747A	A1	13	USN1N747AM	#	A1	1N3507	D07 PS1422	FZ3.6T5	A21c	QZ3.6T5	
1N748	A1	13	1N436 1N1588 1N1981		1N748A	▼	A1	1N1507 1N1927 TI650C0	▼	1N1518 1N1954	
1N748A	A1	13	USN1N748AM	#	A1 N12d	FZ3.9T5 900120-86	A21c A101	S322-1119P3	#	PS1423	
1N749A	A1	13	USN1N749AM	#	A1 A21c	1N3509	D07	I24.3T5 322-1119P4	#	3Z4.3T5 925251-4	
1N750A	A1	13	1N674 1N3826 766-1001-3 L221821-1		A31a	USN1N750A	▼♦	A1 DO3 202-376 SV1005	DO3 S19a PS1425	1N3510 S322-1119P5	
USN1N750A ♦	A1	13	1N674 1N3826 SV1005		D07 A31a	1N750A	▼	A1 DO3 202-376 A48d SV2005	DO3 S19a PS1425	1N3510 766-1001-3	
1N751	A1	13	USN1N751AM	#	A1 E48 766-1001-3	1N3511	D07 A1 E88 SV1005	I25.1T5 A1 PR505 SV2005	D03 S4b PR605	3Z5.1T5 720670-14	
1N751A	A1	13	USN1N751AM	#	A1 PR605	1N3511	D07 A1 TI651C6	E48 SV1005	A46 A31	S322-1119P6 L221821-1	
USN1N751AM ♦	A1	13	1N3511 E48 766-1001-3		D07 A1 S19	I25.1T5	DO3 A1 PR505 SV2005	G9A16755	#	A6 S11a	
1N752	A1	13	USN1N752A	#	A1 1N3512 1979832-3	1N1509A	D07 A1 DO7 2041596	1N1601 A31a SV1006	1N1601 A31 SV1006	1N1765 PS6469A	
USN1N752A ♦	A1	13	1N1509A FZ5.6T5 PS6469		A21c	1N1601A	D07 A1 E145 2041596	1N2042A A1 C7731478	A6	1N3512 SV1006	
1N753A	A1	13	1N675 1N827A L26.2T5 V908298-01	#	D07 DO3	1N821A	D07	1N823A 1N1483 S322-1119P8	D07 DO7 SV2007	1N825A 1N3513 816141-1	

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NAVWEPS 16-1-530

1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT							
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.
1N754A	A1	13	1N470A FZ6.8T5 SV1009 1979832-4	▼ C1 A21c A27	USN1N754A E143 SV1010 2019613-5	▼♦ A1 A1 A1	1N1521A 202-363 D615010-26	▼ D03 A31	1N3514 S322-1119P9 # V908298-02 #	D07
USN1N754A	♦	A1	1N470A FZ6.8T5 SV1009	▼ C1 A21c A27	1N754A E143 SV1010	▼♦ A1 A1 A1	1N1521A 202-363 1979832-4	▼ D03 A31 A27	1N3514 S322MS163P001 # 2019613-5	D07
1N755A	A1	13	USN1N755A 1N3515 SV1010	▼♦ A1 D07	1N958B FZ7.5T5 1979832-5	▼ D07 A21c A27	1N3017B OAZ225	▼ A31a	1N3112 S322-1119P10 #	A6
USN1N755A	♦	A1	1N755A 1N3515 1979832-5	▼ A1 D07 A27	1N958B FZ7.5T5	▼ D07 A21c	1N3017B OAZ225	▼ A31a	1N3112 SV1010	A6
1N756A	A1	13	1N664 1N3154 1N3156 S322-1119P11#	▼ D07 D07	USN1N756AM 1N3154A 1N3156A 575R786H05	♦ D07 A23	1N959B 1N3155 1N3516 D615010-24	▼ D07 D07 D07	1N3018B 1N3155A FZ8.2T5 2019622-1	A31a
1N757A	A1	13	1N225-2 1N938B 1N2620	▼ D07 A31a	USN1N757A USN1N938B 1N2620A	▼♦ A1 D07 A31a	USN1N935B 1N939B 1N2621A	♦ D07 D07 A31a	1N936B USN1N939B 1N2621A	D07
USN1N757A	♦	A1	1N225-2 1N938B 1N2620	▼ D07 A31a	1N757A USN1N938B 1N2620A	▼♦ A1 D07 A31a	USN1N935B 1N939B 1N2621A	♦ D07 D07 A31a	1N936B USN1N939B S322-1119P12#	D07
1N758	A1	13	1N701 1N961B 1N3518	▼ D07 D07	1N758A 1N1512 SV1015	▼ A1	USN1N758A 1N3402 D615010-18	▼♦ A1 P5	1N961A 1N3415	D07 P5
1N758A	A1	13	1N701 1N1523A FZ10T5 V908298-03 #	▼ D03 A21c	USN1N758A 1N1771A E84	▼♦ A1 A31 A1	1N961B 1N3020B S322-1119P13	▼ D07 A31a	1N1512A 1N3518 SV1015	D07
USN1N758A	♦	A1	1N701 1N1523A FZ10T5	▼ D03 A21c	1N758A 1N1771A E84	▼ A1 A31 A1	1N961B 1N3020B SV1015	▼ D07 A31a	1N1512A 1N3518	D07
1N759A	A1	13	1N716A USN1N963B 1N3416 SV1017	▼ D07 D07 P5	USN1N759 1N1513A Z12 V908298-05	▼♦ A1 A1 C18a	1N963A 1N1933 SV135	▼ D07 D07	1N963B 1N2037 S322-1119P14	D07 D012
USN1N759A	♦	A1	1N665 1N1426 575R786H02	▼ D07 A23	1N759A 1N1513A 615010-10	▼ A1	1N963B 1N1524A	▼ D07 D03	USN1N963B 1N3520	D07 D07
1N761	D07	13	USN1N750A 1N1928 SV122 925251-13	▼♦ A1	USN1N751AM KZ4.8 SV1005 1020639	♦ A1 A21c	1N1519A SV5 HZ8147 2031178	▼ D03 A1	1N1589A E48 L221821-1	A46 A8a
1N762	D07	13	1N708 1N1929 PS6469A	▼ A21	USN1N752A SV6 1020653	▼♦ A1	1N762A SV123 2031193	▼ D07 D07 A1	1N1509A SV1006 8991178-6	A23
1N762A	D07	13	1N709A 2JC2365H02 CD3123	▼ D07 A23	USN1N752A WSTR7 PS6469A	▼♦ A1 C1	1N1485 SV124	▼ D03 SV1007 A31	I25.8T5 SV1007	D03
1N763	D07	13	1N754A 1N1930 202-363 SV1009 2031177	▼ A1	USN1N754A 1N2034 322MS163P001 # 615010-28	▼♦ A31	1N1510 ZB6.8 911D12-3 1020638	▼ A33 A1	1N1521 SV126 911D18-3 1979832-4	D03 D07 A1 A27
1N764	D07	13	1/4M10Z5 16A-17 SV1012 L221821-9	▼ A21a A8a	USN1N757A SV9 111356C 8991178-10	▼♦ A1 A23	1N1511A S128 1020649	▼ D07	1N2035 SV1011 2031189	D012
1N765	D07	13	1N714 1N2036 SV910	▼ D07 A38d	USN1N962B SV1015 A99250-119	▼♦ D07 A38d	1N1512A SV11 2019600-8	▼ A1	1N1932 SV133 8950133-1	D07 A27
1N766	D07	13	1N665 1N941A USN1N945B	▼ D07 D07	1N716A USN1N941B USN1N963B	▼♦ D07 D07	1N759A IN944B USN1N964B	▼ A46 D07 D07	USN1N759A USN1N944B	A1 D07
1N767	D07	13	1N718A 1N3024B 2031180	▼ A23 A1	1N1514A SV138 8991178-16	▼ A23	1N1775A 353-2563-00	▼ A31 A1	1N2038 111356D	D012

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♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.			
1N768A	DO7	13	USN1N968B	▼♦	DO7	1N1737	▼	A29	1N1737A	▼	A29	GLZ19BDA	DO7
			QZ19T5	A21c	SV143	DO7	SV1024	▼		SV2024	▼		
			SV2093	▼	CD3129	A23	HZ8145	▼		720670-64	▼	A46	
1N772	DO7	11	1N277	▼	DO7	1N307	▼	A23a	1N453	▼	DO7	1N501	
			1N502			1N771			DR310			DR312	
1N816	DO7	13	1N912		DO7	1N912A		DO7	1N912M		A2a	1N913	
			1N913A			1N913M		A2a	TMD20			SG22	▼
			G130	▼	A1	99250-102	▼	A1					
1N821	DO7	13	1N429	▼	C1	1N709A	▼	DO7	USN1N821	♦	DO7	1N822	▼
			1N823		DO7	USN1N823	♦	DO7	1N824	▼	DO7	1N825	DO7
			1N827	▼		USN1N827	♦	DO7	202-359	▼	A1	A99250-114	▼
1N822	DO7	13	1N429	▼	C1	1N709A	▼	DO7	1N821	▼	DO7	USN1N821	♦
			1N823		DO7	USN1N823	♦	DO7	1N824	▼	DO7	1N825	DO7
			1N827	▼		USN1N827	♦	DO7	202-359	▼	A1	A99250-114	▼
1N824	DO7	13	1N429	▼	C1	1N709A	▼	DO7	1N821	▼	DO7	USN1N821	♦
			1N822		DO7	1N823	♦	DO7	USN1N823	♦	DO7	1N825	DO7
			1N827	▼		USN1N827	♦	DO7	202-359	▼	A1	A99250-114	▼
1N827		13	1N429	▼	C1	1N709A	▼	DO7	1N821	▼	DO7	USN1N821	♦
			1N822		DO7	1N823	♦	DO7	USN1N823	♦	DO7	1N824	▼
			1N825		DO7	USN1N827	♦	DO7	202-359	▼	A1	A99250-114	▼
1N830	A1	17	1N830A	A1		1N2782							
1N831	A1	15	1N21C	▼	P3	JAN1N21C		P3	1N21D	▼	P3	1N21E	P3
			1N21CM	▼	P3	1N21WE	▼	P3a	JAN1N21WE	♦	P3	1N416C	P3a
			1N416D		P3a	1N416E		P3a	13-112062	▼	P3		
1N847	A21	12	1N317A		DO2	1N324A	▼	DO4	1N340	▼	DO4	1N676	▼
			1N2014			1N2091		M21	1N3073	▼	DO12	SA101	A62
1N914	DO7	14	USN1N914	▼♦	DO7	1N914A		A22	1N914AM		A2a	1N914M	A2
			1N916	▼	DO7	1N916AM		A2a	1N916B			1N916M	A2a
			1N3206		A2	S856G	#	CGD879	#		CD6111	A23	
USN1N914	♦	DO7	1N914	▼	DO7	1N914A		A22	1N914AM		A2a	1N914M	A2
			1N916	▼	DO7	1N916AM		A2a	1N916B			1N916M	A2a
			1N3206		A2	DR835	#		CD6111		A23		
1N916	DO7	14	1N914	▼	DO7	USN1N914	▼♦	DO7	1N914A		A22	1N914AM	A2a
			1N914M		A2	1N916AM		A2a	1N916B			1N916M	A2a
			1N3206		A2	CD6111							
1N916A		14	1N914A		A22	1N914AM		A2a	1N916AM		A2a	IN3257	A22
			MA4307		A2b	MA4308		A2b					
USN1N933	DO7	14	1N191	▼	A21	1N933		DO7	GMD2		A2	ED1872	
1N936B	DO7	13	USN1N935B	♦	DO7	1N936		DO7	1N936A		DO7	1N937	DO7
			1N937A		DO7	1N938B	▼	DO7	USN1N938B	♦	DO7	1N939B	▼
1N938B	DO7	13	USN1N935B	♦	DO7	1N936		DO7	1N936A		DO7	1N936B	▼
			1N937		DO7	1N937A		DO7	USN1N938B	♦	DO7	1N939B	▼
1N939B	DO7	13	USN1N935B	♦	DO7	1N936		DO7	1N936A		DO7	1N936B	▼
			1N937		DO7	1N937A		DO7	1N938B	▼	DO7	USN1N938B	♦
1N941A	DO7	13	USN1N941B	♦	DO7	1N944B	▼	DO7	USN1N944B	♦	DO7	USN1N945B	♦
			1N1426	▼		1N1524	▼	DO3	LPZ12A	▼	A31a	PZP12A	▼
			615011-5	▼	A31a	720670-53	▼	C14					A31a
1N944B	DO7	13	1N941B	▼	DO7	USN1N941B	♦	DO7	USN1N944B	♦	DO7	USN1N945B	♦
			1N1426	▼		1N1524A	▼	DO3	LPZ12A	▼	A31a	PZP12A	▼
			615011-5	▼	A31a	720670-53	▼	C14					A31a
USN1N962B	♦	DO7	1N962B		DO7	1N3519		DO7	PR616		A6	SV1016	
			SV5020	▼	A25	2031361	▼	A84					
USN1N963B	♦	DO7	1N665	▼		1N759A	▼	A46	USN1N759A	▼♦	A1	1N963B	DO7
			1N1426	▼		1N1513A	▼	DO3	1N1524A			IN3520	DO7
			L531-002-914#			575R786H02	▼	A23	615010-10	▼	A1		
USN1N964B	♦	DO7	1N964B		DO7	1N1352	▼	DO4	1N1772		A31	IN2499	
			1N2499C			1N3021A		A31a	1N3521		DO7	615010-13	▼
			720670-73	▼	A46	201959-12	▼	A25	PR521			A31	
USN1N965B	♦	DO7	1N666	▼		1N965B		DO7	1N1427	▼	DO3	1N1525A	
			1N3024B	▼	A31a	1N3522		DO7	1Z15A	▼		SV15	#
			FZ15T5		A21c	PR620		A6	SV1020			2031401	▼
USN1N966B	♦	DO7	1N966B		DO7	1N1818A	▼	DO4	1N2980B		DO4	1N3523	
			10216T5			FZ16T5		A21c	PR521			SV2021	
USN1N967B	♦	DO7	1N967B		DO7	1N1428		A21c	1N1526A		DO3	1N3026B	
			AN3524		D07	FZ18T5		A41	322-1167-P13	▼	A31	SV1023	
			C2019621-1	▼	A25	8550229-13	▼						
USN1N968B	♦	DO7	1N968B		DO7	1N1358A	▼	DO4	1N1820A	▼	DO4	1N1876A	
			1N2818B	▼	C5a	1N3027B	▼	A31a	1N3525		DO7	1Z20T5	
			3Z20T5	▼		SV1025	▼		615010-8	▼	A31		DO3

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.			
USN1N969B	♦	D07	13	IN668 1N1880A SV1033	▼ ▼ ▼	IN968B 1N3526 720670-28	D07 D07 A19	IN1516A PZT22A	▼ ▼	A31a	IN1527A FZ22T5	▼ DO3 A21c	
1N970B		D07	13	USN1N970B 1N1360RA SV1034	♦ ▼ ▼	IN1822A 1Z24T5 1979945-1	D04 D03 D03	IN3029B MZ24T5 8991179-14	▼ ▼ ▼	A31a	IN3527 PR645	DO7 A6	
USN1N972B	♦	D07	13	1N972B 1N1882A30V 625013-73	▼ ▼ ▼	IN1361A 1N3529 625013-074	D07 D07 A86	IN1421 3Z30A	▼ ▼	D04	IN1782A 575R786H06	▼ A31 A23	
USN1N973B	♦	D07	13	IN973B AV2032	DO7 A19	IN3032B AV2034	A31a A19	IN3530 SV4033A	DO7 A45	F1010	▼	A31	
USN1N975B	♦	D07	13	1M39Z5 1N2992B	▼ ▼	IN975B 1N3532	D01 D04	IN1365A 10M39Z5	▼ ▼	D04 D04	IN1827A	▼ DO4	
USN1N976B	♦	D07	13	1N976B AV2043	DO7 A19	IN3035B 2016490-2	A31a A31	IN3533	DO7	AV2042		A19	
USN1N977B	♦	D07	13	1N977B E5T50A47	DO7 A78	IN1884A W1787A	▼ ▼	IN3036B	▼	A31a	IN3534	DO7	
USN1N978B	♦	D07	13	1N978B 1N3037B	DO7 ▼ A31a	IN1742 615010-34	A30 ▼ A31a	IN1742A 8950229-24	▼ ▼	A30 A41	IN1830A	▼ DO4	
1N979B		D07	13	USN1N979B E5T50A56	▼ DO7 A78a	IN1831A E5T50B56	▼ DO4 A78a	USN1N2832B CD3169	♦ C5a	IN3039B	▼	A31a	
USN1N979B	♦	D07	13	1N979B E5T50A56	♦ DO7 A78a	IN1831A E5T50B56	▼ DO4 A78a	USN1N2832B CD3169	♦ C5a	IN3039B	▼	A31a	
USN1N982B	♦	D07	13	1M75Z5 1N3002B CD3173	▼ ▼ ▼	DO1 DO4 A31a	IN982B IN3041B	DO7 ▼ A31a	IN1372A E5T50A75	DO4 A78a	IN1834A E5T50B75	▼ DO4 A78a	
1N983B		D07	13	USN1N983B 10M82ZR5 615003-8	♦ ▼ ▼	DO7 DO4 S28	IN1835A E5T50A82 615003-308	DO4 A78a S28	IN3003B E5T50B82 615010-35	▼ ▼ ▼	D04 A78a CD3174	IN3042B	▼ A31a
USN1N984B	♦	D07	13	1N984B	DO7	E5T50A91	A78a	E5T50B91	A78a	AV2089		A19	
USN1N985B	♦	D07	13	1M100Z5 1N1432 SZ554	▼ ▼ ▼	DO1 1N985B 1N3005B	DO7 A78a S28	1N1375A E5T50A100 615003-9	▼ DO4 A78a	1N1423 E5T50B100	▼ S28	A78a	
USN1N986B	♦	D07	13	1N986B E5T50B110	DO7 A78a	IN2009A AV2110	DO7 A19	IN3007B AV4110	▼ DO4	E5T50A110 S10	AV8110	A78a S11	
USN1N989B	♦	D07	13	1N989B E5T50A150	DO7 A78b	IN2012A E5T50B150	A78b	1N3011B 10M150Z5	▼ DO4	IN3048B	▼	A31a	
IN1028	A73	12		IN536 1N2080 1N2847	▼ DO3 A53 S35	IN1029 1N2081 USN1N3189	▼ A53 A53 A31a	IN1251 1N2090 40-16133	▼ DO4 A6a	A53 M21 DI505	IN1252 IN2091 2157083-1	A53 M21 A31a	
IN1029	A73	12		IN537 1N1487 1N2610 SK16	▼ DO3 DO3 DO2	IN538 1N1645 1N2847 SD91A	▼ DO1 A53 S35	IN1252 IN1692 1N2859 575R428H03	▼ DO3 A47	A53 DO2 A47	IN1439 USN1N3189 2157083-1	M21 A31a A34a	
IN1032	A73	12		IN553 1N1694 TK41 CEC4050	▼ DO4 DO3 PS140	IN1169 USN1N3190 ♦ PS140	DO4 A31a ▼ A47	IN1254 PT5 PT530	▼ ▼ ▼	A53 SR40 PT540		A53	
IN1033	A73	12		IN553 1N1695 TK41 575R428H09	▼ DO4 DO3 A47	IN1169 IN2095 PS140 575R428H10	▼ M21 A47 A47	IN1169A USN1N3190 ♦ PS160	▼ A31a ▼ A47	A34b SR40 PT540	IN1255 SR40 PT540	A53	
IN1053	A73a	12		IN1085 1N1538 1N1614	▼ DO4 DO4	F17 1N1582 1N2536	▼ DO4 S35	IN1124 1N1583 IN2537	▼ DO4 S35	DO4 DO4	IN1218 IN1587	▼ DO4	
IN1065	S66a	12		IN1059 1N2290 BY402	S67 S35 S35	IN1071 1N2290A 575R570H01	S83a S35 S19a	IN1613 IN2566 KS602BA	▼ DO4 DO4	DO4 DO4 CK776	IN1614 6F10 AM2005	DO4 S29	
IN1067	S66a	12		IN1347 1N1615 1N2231A	▼ DO4 DO4	S26 1N2230 6F50	DO4 DO4 DO4	IN1348 1N2230A TM8	▼ DO4 ▼	S26 DO4	IN1614 IN2231 AM2005	DO4 S35	
IN1070	S68	12		IN1058 1N1612A 1N2491	S67 DO4 DO4	IN1064 1N2147 MR5N	S66a S35 S4c	IN1341A IN2228 TM8	▼ DO4 DO4	DO4 DO4	IN1341B IN2229	DO4	
IN1076	S68	12		IN248A 1N1301 C35F	▼ DO5	IN248B 1N2272 303A	DO5 DO4 S29	IN1157 IN3208	▼ M24a	IN1191 S21b	S29	DO4	
IN1077	S68	12		IN249A 1N250B/C 1N1302	▼ DO5	IN249B 1N412 1N1304	DO5 DO4 DO5	IN250A IN1193 IN2155	▼ S29 DO5	IN250B IN1195 IN2158	▼ S29 DO5	S27	

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1N1082	F22	12	1N551 1N1254 PS140	▼ A53 A47	DO4 1N1255 PT520	▼ A53 A34b	1N1169 1N1693 CEC4050	▼ DO3 A34b	1N1253 1N1694 2016337-1	▼ DO3 A47	A53 DO3 A47				
1N1084	F22	12	1N553 1N1695 PS140 575R428H10	▼ ▼ ▼ A47	DO4 1N2095 PS160 CEC4050	▼ M21 A47	1N1169A SR40 PT540	▼ ▼ ▼	1N1255 TK41 575R428H09	▼ ▼ ▼	A53 A47				
1N1085	F17	12	1N1086 1N1587	▼ ▼	F17 DO4	1N1124 1N2536	▼ S35	DO4 1N2537	1N1583 BB12K4F	▼ ▼	DO4 DO4				
1N1086	F17	12	1N1087 1N2112 TD12F2A1	▼ ▼ ▼	1N1088 F17 2002993	▼ 1N2526 2002993	▼ S35 ▼	1N1124 1N2537 S11a	DO4 1N1583 SB1-X-3	▼ ▼	DO4				
1N1088	F17	12	1N2113 1N2539 1N3573	S35 DO4	1N2114 1N2540 1N3612	S35 DO4	1N2528 1N2551	S35 S35	1N2529 1N3572	S35 DO4					
1N1089	F25	12	1N1059 1N2290A 575R570H01	S67 S35 ▼	1N1071 1N2566 S19a KS602BA	S83a ▼ DO4	1N1613 6F10 CK776	DO4 DO4 S29	1N2290 BY402	▼ ▼	S35 S35				
1N1092	F25	12	1N1347 1N2234A 508C581H31	▼ ▼ ▼	S26 DO4	1N1347A 1N2235	▼ S35	1N1348 1N2235A	S26 S35	1N2234 6F50	▼ ▼	DO4 DO4			
1N1095	DO3	12	1N444B 1N614A SD95A	▼ ▼ ▼	DO3 DO4 DO3	1N445B 1N1096 152-048	▼ ▼ ▼	DO3 DO3 DO3	1N547 1N1492 816B520-6	▼ ▼ ▼	DO1 DO3 DO3	1N614 1N2071 2262264-5	▼ ▼ ▼	DO4 A3c A31a	
1N1096	DO3	12	1N445B 1N1492 152-012	▼ ▼ ▼	DO3 DO3 A3c	1N547 1N2071 152-048	▼ ▼ ▼	DO1 A3c DO3	1N614 1N3280 2094056	▼ ▼ ▼	DO4 A38f A84	1N614A 1N3476	▼ ▼	DO4 A66	
1N1101		12	PS060 JAN1N538 1N602A	▼ ▼ ▼	A46 DO1 DO1	1N318A 1N547 1N606	DO2 DO1 ▼	1N320 1N560 DO1	1N535 1N602 1N1103	▼ ▼ ▼	DO2 DO3 DO1	1N535 1N602 1N1257	▼ ▼ ▼	DO2 DO1 A53	
1N1108	F22a	12	1N2773 1N3256	A40 A50a	1N2774 1N3751	A40a A38f	1N2775 1N3752	A40a A38f	1N3196 CEC8050	▼ ▼	A50				
1N1109	F22b	12	1N2780 50E12	A40a A3c	1N2619 A40a A3c	1N3233	A31a A21b	1N2777 1N3234	A40a A21b	1N2779 1N3245	A40a A21b	A40a A21b			
1N1110	F22c	12	1N2359 1N3235	DO1 A21b	1N2360	DO1	1N2389			1N2490 1N2781		A40			
1N1112	F22c	12	1N1113 1N2899	▼ 1N2899	F22f 1N3764	1N1749 1N3764	A107	1N1750 HV28C		1N2898					
1N1113	F22f	12	1N2898			1N2899		1N3764	A107	HV28C		A3c			
1N1115	DO4	12	1N1116 1N2230 1N2289	▼ ▼ ▼	DO4 DO4	1N1117 1N2230A 1N2289A	▼ DO4 S35	DO4 DO4 S35	1N1118 1N2231 1N2291	▼ ▼ ▼	DO4 S35 S35	USN1N1124A 1N2231A 1N2291A	▼ ▼ ▼	DO4 S35 S35	
1N1116	DO4	12	1N1117 1N1564A 4JA4111BB1AD2 HR10745	▼ ▼ ▼ ▼	DO4 C14	1N1118 1N1566A 4JA3511BF1AD1▼ HR10745	▼ DO4 C14 307D	DO4 DO4 DO1	1N1124A 1N1910 307D	▼ ▼ ▼	DO4 A86 DO1	1N1542 1N1911 WP5053D	▼ ▼ ▼	DO4 A86 S25	
1N1117	DO4	12	1N1118 1N1233 1N1911 426-10001	▼ ▼ ▼ ▼	DO4 S25 A86 S4b	USN1N1126AM 1N1542 4JA4111DB2AD1▼ 426-10001	DO4 DO4 4JA4111DX155 S4b	DO4 DO4 DO1	1N1223 1N1566A 4JA411DX155	▼ ▼ ▼	DO1 C14 307H	1N1224 1N1910 307H	▼ ▼ ▼	DO1 A86 DO1	
1N1118	DO4	12	USN1N1126AM 1N1234 4JA4111DB2AD1▼ 320M	▼ ▼ ▼ ▼	DO4 S25	1N1223 1N1542 4JA4111DX155 426-10001	DO1 DO4 307H	DO4 DO4 DO1	1N1224 1N1566A 308M	▼ ▼ ▼	C14 DO1	1N1233 1N1911 308M	▼ ▼ ▼	S25 A86 S25	
1N1124	DO4	12	USN1N1124A 1N1128 NA27	▼ ▼ ▼	DO4	1N1125 1N1583 TM37	DO4 DO4 DO4	1N1126 1N1587 CK847	▼ ▼ ▼	DO4 DO4 CK847	▼ ▼ ▼	1N1126A TD12F2A1 CK848	▼ ▼ ▼		
USN1N1124A	DO4	12	1N1126A 1N2519 2030957	▼ ▼ ▼	S35	1N1919	S82	1N2513	DO4	1N2514 910D12-3	#	DO4			
1N1124R Reverse Polarity Type	DO4	12	see 1N1124 for replacement types.					Observe proper polarity.							
1N1125	DO4	12	1N1126 1N1128A USN1N3649M	▼ ▼ ▼	DO4	1N1126A 1N1584 TM37	DO4 DO4	USN1N1126AM 1N1586 CK848	DO4 DO4	1N1128 1N1587	▼ ▼	DO4 DO4			

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♦ - PREFERRED TYPE - MIL-STD 701

- ALTERNATE PART No. - TECH. DATA LISTED FOR REFERENCED PART No.

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IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.		
1N1126A		12	1N1092 1N2237 1N2738	▼ F25 S35	USN1N1126AM 1N2237A 720660-14	▼ S35 S35	DO4 1N1128A USN1N3649M	DO4	1N1128A 1N2515	▼ DO4	1N1615 1N2521	▼ DO4 S35
1N1128	DO4	12	1N1128A USN1N3649M	▼ DO4	USN1N1128AM	▼ DO4	1N1587	DO4	1N3649	DO4		
1N1128A		12	USN1N1128AM 1N2241 1N2523	DO4 S35 S35	1N1923 1N2241A	S82 S35	1N2240 1N2517	DO4 DO4	1N2240A USN1N3649M	DO4 DO4		
1N1128RA		12	Reverse Polarity Type		see 1N1128A for replacement types. Observe proper polarity.							
1N30	S24a	12	1N1110 1N2328 1N2490 895083	▼ F22c S24a	USA1N1130 1N2358 1N2508	▼ DO1	1N1131 1N2360 1N2780	S24a DO1 A40a	1N1131 1N2360 1N2780	▼ S24a DO1 A40a	1N1746 1N2361 1N3234	▼ DO1 A21b
USA1N1130	♦ S24a	12	1N1110 1N2328 1N2490 895083	▼ F22c S24a	1N1130 1N2358 1N2508	▼ DO1	1N1131 1N2360 1N2780	S24a DO1 A40a	1N1131 1N2360 1N2780	▼ S24a DO1 A40a	1N1746 1N2361 1N3234	▼ DO1 A2b
1N1131	S24a	12	1N1110 1N2358 1N2508	▼ F22c DO1	1N1130 1N2360 1N2780	▼ S24a DO1 A40a	1N1746 1N2361 1N3234	DO1 A21b	1N1746 1N2361 1N3234	▼ DO1 A21b	1N2328 1N2490 895083	▼ S24a
1N1136	F14b	12	1N1411 1N2376 1N2895	▼	1N1412 1N2890 1N3284	▼ DO7	1N1413 1N2891 1N3285	A53 DO7	1N1413 1N2894	▼ A53 DO7	1N1732 1N2894	▼ A48d
1N1138	F14a	12	1N1112 1N1750 1N2895	▼	F22e	1N1139 1N2377 1N3285	F14d	1N1140 1N2378 1N3286	S14c DO7	1N1413 1N2894	▼ A53	
1N1140	S14c	12	1N1139 1N2918		F14d	1N1734 1N2919	▼ A48e A48k	1N2916 ED1C12		1N2917 1054499	▼ A48b	
1N1141	F14d	12	1H3-2361 1N2918			1N1143A 1N2919	F14d A48k	1N1734 1054499	▼ A48e	1N1754		
1N1142	F14c	12	1N1734 1N2919	▼	A48e A48k	1N1753 1054499	▼	1N2380		1N2918		
1N1143	F14d	12	1N1144 1N2380 1N3151		F14e	1N1145 1N2383 A95	F14d A48g	1N1146 1N2922	F14e	1N1755 1N2923		
1N1145	F14d	12	1N1758			1N2384	▼ A48g	1N3151	A95	194009-1	▼ A48b	
1N1146	F14e	12	USA1N1147 MC082A	▼ F14e M54s	1N1759 194009-1	▼ A48b	1N2384	▼ A48g	1N2384	▼ A48g	MC082	M54s
USA1N1147	♦ F14e	12	1N1147 1N1760 PS1132	▼ F14e A48j	1N1148 1N3052	▼ A48n	1N1149 MC096	▼ F14e A48n	1N1149 MC096	▼ F14e A48n	1N1700 MC096A	M54j
1N1148	F14e	12	1N1149 MC093A	▼ F14e M54f	1N1761 MC97	▼ M54k	1N3053 MC97A	A48n M54k	1N3053 MC97A	A48n M54k	MC093	M54f
1N1149	F14e	12	1N1762 MC098		1N3054 MC098A	▼ M54d	A48p MC094	M54g	1N3054 MC094	M54g	MC094A	M54g
1N1169	A34d	12	JAN1N538 1N1695 PS140 575R428H10	♦ DO1 DO3 A47 A47	1N553 1N2095 PS160 CEC4050	▼ DO4 M21 A47	1N1169A SR40 PT540	▼ A34b DO4 M21 A47	1N1169A SR40 PT540	▼ A34b DO5 M21 A47	1N1255 TK41 575R428H09	▼ A47
1N1172	M24a	12	1N249A 1N412 322MS080P001 2041929	▼ DO5 A21c D05	1N249B 1N2155 322MS080P002 2072019	▼ DO5 DO5 S29	1N250A 1N2158 322MS080P002 A21c TR402	▼ DO5 DO5 S29	1N250A 1N2158 322MS080P002 A21c TR402	▼ DO5 DO5 S29	1N250B/C TR302 1616993-1	▼ S29
1N1183	S29	12	USAF1N1183 USAF1N1185 B510	S29 S29 M38	1N1184 1N1186 1111431	▼ S29 M38	S29 USAF1N1184 USAF1N1186 S29	S29 S29 S29	USAF1N1184 USAF1N1186 S29	S29 S29 S29	1N1185 302B	▼ S29
1N1183R			Reverse Polarity Type		see 1N1183 for replacement types. Observe proper polarity.							
1N1184	S29	12	USAF1N1184 USAF1N1186 1111431	♦ ▼♦ ▼	S29 302B S29	1N1185 302B S29	S29 302D S29	USAF1N1185 302D S29	S29 S29 S29	1N1186 13510	▼ S29 M38	
1N1185	S29	12	USAF1N1185 302D	▼♦ ▼	S29 B520	1N1186	S29 M38	USAF1N1186 1111431	S29 S29	1N1680		
USAF1N1185	S29	12	1N1185 302D	▼ ▼	S29 B520	1N1186	S29 M38	USAF1N1186 1111431	S29 S29	1N1680		

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IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N1186	S29	12	USAF1N1186 ▼♦	S29	1N1187 ▼	S29	USAF1N1187 ▼	S29	1N1681	S14c	
			1N1682		1N2282	D04	302D	S29	319E		
					B520	M38					
USAF1N1186	S29	12	1N1186 ▼	S29	1N1187 ▼	S29	USAF1N1187	S29	1N1681	S14c	
			1N1682		1N2282	D04	302D	S29	319E		
					B520	M38					
1N1187	S29	12	USAF1N1187	S29	1N1188 ▼	S29	USAF1N1188 ▼♦	S29	1N1189	S29	
			USAF1N1189 ♦	S29	1N1190 ▼	S29	USAF1N1190 ♦	S29	1N1460	M56	
			1N1461	S29	M56	1N1682	1N2282	D04	P46A6314	▼♦	
			302F	S29							
1N1188	S29	12	USAF1N1188 ▼♦	S29	1N1189 ▼	S29	USAF1N1189	S29	1N1190	S29	
			USAF1N1190 ♦	S29	1N1461	M56	1N1382	D04	1N2283	D08	
			1N2284	D04	1N2285	D04	1N2286	D04	1N2435		
USAF1N1188 ♦	S29	12	1N1188 ▼	S29	1N1189 ▼	S29	USAF1N1189	S29	1N1190	S29	
			USAF1N1190 ♦	S29	1N1461	M56	1N1682	D04	1N2283	D08	
			1N2284	D04	1N2285	D04	1N2286	D04	1N2435		
1N1189	S29	12	USAF1N1189 ▼	S29	1N1190 ▼	S29	USAF1N1190 ♦	S29	1N1682	D08	
			1N2284	D04	1N2285	D04	1N2286	D04	1N2435		
			25H50	S21a							
USAF1N1189	S29	12	1N1189 ▼	S29	1N1190 ▼	S29	USAF1N1190 ♦	S29	1N1682	D08	
			1N2284	D04	1N2285	D04	1N2286	D04	1N2435		
			25H50	S21a							
1N1190	S29	12	USAF1N1190 ♦	S29	1N1687		1N2285	D04	1N2286	D04	
			1N2435	D08			D04				
1N1191	S29	12	USA1N249B ▼♦	D05	1N1194	S29	1N1301 ▼		1N2154	D05	
			1N2155	D05	1N2156	D05	1N2272	D04	1N2273	D04	
			1N2274	D04	303A	S29	303D ▼	S29			
1N1193	S29	12	1N250A ▼	D05	1N250B ▼	S27	1N250B/C ▼	D05	1N1304 ▼	322MS080-P001▼	
			303C	S29	303D ▼	S29	322MS080-P001▼	S21c	322MS080-P002▼	S21c	
			WN5091E	S29	1616993-1 ▼	S29	2041929 ▼	D05			
1N1195	S29	12	1N1198	S29	1N1306	D04	1N2135A ▼	A21	1N2158	D05	
			1N2160	D05	1N2275	D04	1N2455	D05	TR302		
			303F	S29	TR402 ▼	D04	2072019 ▼	S29			
1N1199	S27	12	1N1191 ▼	S29	USAF1N1199	S27	1N1199A	D04	1N1199B		
			1N1200 ▼	S27	USAF1N1200	S27	1N1200A	D04	1N1200B		
			USAF1N1202 ▼♦	S27	1N2576 ▼	S35	C35F ▼		304B ▼	S27	
1N1200	S27	12	1N1193 ▼	S29	1N1195 ▼	S29	USAF1N1200	S27	1N1200A	D04	
			1N1200B	S27	1N1201 ▼	S27	1N1202 ▼	S27	USA1N1202 ▼♦	S27	
			1N1204	D04	1N1302 ▼	S27	1N2590 ▼	S35			
			304B	S27							
1N1201	S27	12	1N250B ▼	S27	1N1193 ▼	S29	1N1195 ▼	S29	USA1N1201	S27	
			1N1201A	D04	1N1201B	S27	1N1202 ▼	S27	USA1N1202 ▼♦	S27	
			1N1203	S27	USAF1N1204 ▼♦	S27	1N2590 ▼	S35	C35G ▼		
			303C	S29	303D ▼	S29	303F ▼	S29	304D ▼	S27	
			WN5091E	S29	2015993 ▼	S26					
1N1202	S27	12	1N250B ▼	S27	1N1195 ▼	S29	1N1202 ▼♦	S27	1N1202A	D04	
			1N1202B	S27	1N1203 ▼	S27	1N1204 ▼	S27	USA1N1204 ▼♦	S27	
			1N2590	S35	303D ▼	S29	303F ▼	S29	304D ▼	S27	
			BY722	#	2015993 ▼	S26	2015993 ▼	S26			
USAF1N1202 ♦	S27	12	1N250B ▼	S27	1N1195 ▼	S29	1N1202	S27	1N1202A ▼	D04	
			1N1202B	S27	1N1203 ▼	S27	1N1204	S27	USA1N1204 ▼♦	S27	
			1N2590	S35	303D ▼	S29	303F ▼	S29	304D ▼	S27	
			BY722	#	WN5091E ▼	S29	2015993 ▼	S26			
1N1202A	D04	12	1N1202B		1N1203A	D04	1N1203B		1N1204A	D04	
			1N1204B		S35	S35	1N2589	S35	1N2590	S35	
			1N2600	S35	1N2601	S35	1N3211	S21b			
1N1202R	S27	12	see 1N1202 for Reverse Polarity Type				Observe proper polarity.				
1N1203	S27	12	1N1195 ▼	S29	USAF1N1203	S27	1N1203A	D04	1N1203B		
			1N1204 ▼	S27	USAF1N1204 ▼♦	S27	1N1205 ▼	S27	1N2590	S35	
			303F ▼	S29			2015993 ▼	S26	2059880	S28	
1N1204	S27	12	USA1N1204 ▼♦	S27	1N1205 ▼	S27	1N1206 ▼	S27	1N1206A	D04	
			1N1206B	S26	1N2583	S35	1N2594	S35			
			2015993 ▼	S26	2059880	S28					
USA1N1204 ♦	S27	12	1N1204 ▼	S27	1N1205 ▼	S27	1N1206 ▼	S27	1N1206A	D04	
			1N1206B	S27	1N2583	S35	1N2594	S35			
			2015993 ▼	S26	2059880	S28					
1N1205	S27	12	USA1N1205	S27	1N1205A	D04	1N1205B		1N1206	S27	
			USA1N1206 ♦	S27	1N1206A	D04	1N1206B		1N2583	S35	
			1N2594	S35	1N2605	S35			2059880	S28	

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1N1206	S27	12	USAF1N1206 1N2584	S27 S35	1N1206A 1N2594 2059880	D04 S35 S28	1N1206B 1N2595	S35	1N2583 1N2605	S35 S35	
1N1217	DO1	12	JAN1N538 1N1218B 1N1538 WP5053B	▼♦ A34a DO4 S25	1N1217A 1N1227 1N2536 2030934	DO1 S25 S35 S11a	1N1217B 1N1227A 307A	▼ A34a S25 DO1	1N1218A 1N1537	▼ DO1 S35	
1N1217A	DO1	12	JAN1N538 1N1227A 307A	▼♦ S25 DO1	1N1217B 1N1537	A34a S35	1N1218A 1N1538 WP5053B	DO1 S25	1N1218B 1N2536 2030934	A34a S35 S11a	
1N1218	DO1	12	JAN1N538 1N1218B 1N1582 307D	▼♦ A34a DO4 DO1	1N1115 1N1219A 1N1908 WP5053B	DO4 DO1 A86 S25	1N1116 1N1219B 1N2536 WP5053D	▼ A34a S35 S25	1N1218A 1N1228A	DO1 S25	
1N1219	DO1	12	JAN1N538 1N1219A 1N1539 1N1911	▼♦ DO1 DO4 A86	1N1116 1N1219B 1N1564A 320C	DO4 A34a C14 DO1	1N1117 1N1229 1N1566A	▼ C14 DO1	1N1118 1N1229A 1N1910	▼ DO4 S25 A86	
1N1220	DO1	12	JAN1N538 1N1564A HR10745	▼♦ C14	1N1117 1N1566A	DO4 C14	1N1118 1N1910 307D	▼ DO1 A86 DO1	1N1542 1N1911 WP5053D	▼ A86 S25	
1N1222	DO1	12	1N540 1N1234 320M	▼ S25	1N1223 1N1542 426-10001	DO1 DO4 S4b	1N1224 1N1566A 307H	▼ C14 DO1	1N1233 1N1911 308M	▼ A86 S25	
1N1223	DO1	12	1N547 1N1233 320KX	▼ S25 #	1N1224 1N1234 320M 767246A	DO1 S25 #	1N1225 1N1236 426-10001	▼ S25 S4b	1N1226 308M	▼ DO1 S25	
1N1224	DO1	12	1N547 1N1234	▼ S25	1N1443 1N1236	DO1 S25	1N1225 308M	▼ A34b S25	1N1226 320M	▼ DO1	
1N1225	A34b	12	JAN1N560 1N1443B 1N2407	▼♦ A34a C8	DO3 1N1444	DO1 S25	1N1236 1N1916	▼ DO13	1N1443 1N2398	▼ A32	
1N1226	DO1	12	JAN1N560 1N1444 1N2416	▼♦ S25 C9	1N1236 1N1916 1N2425	S25 DO13 F8	1N1443 1N2398	▼ DO1 A32	1N1443B 1N2407	A34a C8	
1N1227	S25	12	USN1N1124A 1N1218A 1N1538 WP5053B	▼ DO1 DO4 S25	1N1217 1N1218B 1N2536 2030934	DO1 A34a S35 S11a	1N1217A 1N1227A 307A	▼ DO1 S25 DO1	1N1217B 1N1537	A34a S35	
1N1231	S25	12	1N1118 1N1233 1N1911 426-10001	▼ S25 A86 S4b	1N1126A 1N1542	DO4	1N1223 1N1566A	▼ C14	1N1224 1N1910 307H	▼ A86 DO1	
1N1233	S25	12	1N1128A 1N1226 320M	▼ DO1	1N1223 1N1234 426-10001	S25 S25 S4b	1N1224 1N1236	▼ S25	1N1225 308M	▼ A34b S25	
1N1234		12	1N1128A 1N1236	▼ S25	1N1224 1N1443	DO1 DO1	1N1225 308M	▼ A34b S25	1N1226 320M	▼ DO1	
1N1236	S25*	12	1N1226 1N1916 1N2425	▼ DO13 F8	1N1443 1N2398 1N3649	A32 DO4	1N1443B 1N2407	A34a C8	1N1444 1N2416	S25 C9	
1N1238		12	1N1150 1N2367		1N1150A 1N2368	DO4	1N1237 1N2369		1N2366 1N2667	DO4	
1N1239		12	1N3764	A107							
1N1251	A53	12	1N536 1N1252 1N2091	▼ A53 M21	JAN1N538 1N2080 M21	DO3 A53 S35	1N1028 1N2081 HMP1A	A73 A53 40-16133	1N1029 1N2090 40-16133	A73 M21 A6a	
1N1253	A53	12	1N551 1N1255 PT520	▼ A53 #	1N553 1N1693 CEC4050	DO4 DO3	1N1169 1N1694 D617834-13	A34b DO3 #	1N1254 PS140 2016337-1	A53 PS140 A47	
1N1254	A53	12	1N553 HMP4A PS140	▼ # A47	1N1169 PT5 PT530	A34b	1N1255 SR40 PT540	A53	1N1694 TK41 CEC4050	DO3	

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♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

NAVWEPS 16-1-530

1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT												
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.					
1N1255	A53	12	1N553 1N1695 PS140 575R428H09	▼ ▼ ▼ ▼	DO4 DO3 A47 A47	1N540 1N2095 PS160 575R428H10	▼ ▼ ▼ ▼	DO1 M21 A47 A47	1N1169 HMP5A PT540 CEC4050	▼ # ▼ ▼	A34b	1N1169A SR40 TI541 D617834-14	▼ #	A34b	
1N1256	A53	12	1N444 1N605A 1N689 2016492-1	▼ ▼ ▼ ▼	DO3 DO1 A1 A31	1N534 1N605 1N1257 2016492-1	▼ ▼ ▼ ▼	DO4 DO1 A31	1N535 1N606 HMP6A	▼ # ▼	DO2 DO1	1N547 1N606A HR10317	▼ ▼	DO1 DO1	
1N1257	A53	12	1N535 1N606 HMP7A	▼ ▼ #	DO2 DO1 #	1N547 1N606A 2016492-1	▼ ▼ ▼	DO1 DO1 A31	1N548 1N689	▼ ▼	A1	1N562 1N2505	▼	DO4 A6	
1N1272	S14c	12	1N1273 1N1292 1N1662	▼ ▼ ▼	S14c S8e S14d	1N1274 1N1293 1N1663	▼ ▼ ▼	S14c S8e S14d	1N1275 1N1294 1N3263	▼ ▼ ▼	S14c S8e	1N1282 1N1661	▼ ▼	S14g S14d	
1N1273	S14c	12	1N1274 1N1285 1N1662	▼ ▼ ▼	S14c S14g S14d	1N1275 1N1293 1N1663	▼ ▼ ▼	S14c S8e S14d	1N1283 1N1294 1N3263	▼ ▼ ▼	S14g S8e S14g	1N1284 1N1295 1N3264	▼ ▼ ▼	S14g S8e S14g	
1N1274	S14c	12	1N1275 1N1295	▼ ▼	S14c S8e	1N1284 1N1663	▼ ▼	S14g S14d	1N1285 1N3263	▼ ▼	S14g S14g	1N1294 1N3264	▼ ▼	S8e S14g	
1N1275	S14e	12	1N1276 1N1297 1N3268	!▼ ▼ ▼	S14c S8e S14g	1N1277 1N1665 1N3269	▼ ▼ ▼	S14c S14d S14g	1N1286 1N1666 1N3269	▼ ▼ ▼	S14g S14d S14g	1N1296 1N1666 1N3266	▼ ▼ ▼	S8e S14g	
1N1276	S14c	12	1N1277 1N1665	▼ ▼	S14c S14d	1N1286 1N1666	▼ ▼	S14g S14d	1N1296 1N3268	▼ ▼	S8e S14g	1N1297 1N3269	▼ ▼	S8e S14g	
1N1282	S14g	12	1N1272 1N1283 1N1661	▼ ▼ ▼	S14c S14g S14d	1N1273 1N1292 1N1662	▼ ▼ ▼	S14c S8e S14d	1N1274 1N1293	▼ ▼	S14c S8e	1N1275 1N1295	▼ ▼	S14c S8e	
1N1295	S8e	12	1N1276 1N1665 1N3269	▼ ▼ ▼	S14c S14d S14g	1N1277 1N1666	▼ ▼	S14c S14d	1N1286 1N3266	▼ ▼	S14g S14g	1N1296 1N3268	▼ ▼	S8e S14g	
1N1301	T05	12	1N1191 1N2156 303A	▼ ▼ ▼	S29 DO5 S29	1N1194 1N2272 303D	▼ ▼ ▼	S29 DO4 353-1527-00	1N2154 1N2273 353-1527-00	▼ #	DO5 DO4	1N2155 1N2274	▼ ▼	DO5 DO4	
1N1302	T05	12	1N249A 1N250B/C 1N1304 353-1528-00	▼ ▼ ▼ #	DO5 DO5 DO5	1N249B 1N412 1N2155	▼ ▼ ▼	DO5 DO5 DO5	1N250A 1N1193 1N2158	▼ ▼ ▼	DO5 S29 DO5	1N250B 1N1195 303B996	▼ ▼ ▼	DO5 S29 S29	
1N1304	T05	12	1N250A 1N1304 353-1530-00	▼ ▼ #	DO5	1N250B 1N2158 WN5091E	▼ ▼ ▼	DO5 DO5 S29	1N250B/C 322MS080-P001 161693-1	▼ ▼ ▼	DO5 S29 DO5	1N1195 322MS080-P002 2041929	▼ ▼ ▼	S29 S29 DO5	
1N1313	C1	13	1/4M10Z5 GZ7A D615010-16	▼ ▼ #	A21a A1	1N225 SV9 2003175	▼ ▼ ▼	C1 S128 C1	1N225A S128 2031189	▼ ▼ ▼	C1 DO7 A1	1N1313A8V TI653C9 8991178-10	▼ ▼ ▼	C1 C3 A23	
1N1313A7.8V	C1	13	1N664 GZ7A 653C9	▼ ▼ ▼	A1	1N756A SV128 SV1011	▼ ▼ ▼	A1 DO7 DO7	USN1N756AM 575R786H05 L2088293-8	▼ ▼ ▼	A1 A23 A1	1N1416 TI653C8 8991178-10	▼ ▼ ▼		
1N1313A8V	C1	13	1N225A 1N1530A TI653C9	▼ ▼ ▼	C1 C7 C3	1N430 GZ7A 1979829-1	▼ ▼ ▼	S20 A1 C7	1N430A SV128 8954883-2	▼ ▼ ▼	S20 DO7 C7	1N430B 653C9 8991178-10	▼ ▼ ▼	S20 A23	
1N1313A9V	C1	13	USN1N935B 1N937A USN1N939B	♦ ♦ ♦	DO7 DO7 DO7	1N936 1N938B	▼ ▼	DO7 DO7	1N936A USN1N938B	▼ ♦	DO7 DO7	1N937 1N939B	▼ ▼	DO7 DO7	
1N1314	C1	13	1N226 SV133 111356B	▼ ▼ ▼	C1 DO7 C1	1N1314-2 TI655C9 D615002-5	▼ ▼ #	DO4 C3 A1	1N1986 SV910 2019600-8	▼ ▼ ▼	SV11 A99250-119	1N937 A99250-119	▼ ▼	A38d	
1N1314-2		13	1N701 1N3518 A99250-119	▼ ▼ ▼	DO7 A38d	1N758A SV133 111356B	▼ ▼ ▼	A1 DO7 C1	USN1N758A TI655C9 2019600-8	▼ ▼ ▼	A1	1N961B C3 A1	▼ ▼ ▼	DO7	
1N1314A9.5V			#	see ZA9.5A											
1N1314A9.8V	C1	13	1N701 1N1314-2 SV1015	▼ ▼ ▼	DO4	1N758A 1N3518 A99250-119	▼ ▼ ▼	A1 DO7 A38d	USN1N758A SV133 111356B	▼ ▼ ▼	A1 DO7 C1	1N961B TI655C9 2019600-8	▼ ▼ ▼	DO7 C3 A1	
1N1314A10.5V	C1	13	1N758A 1N1771A SV1015	▼ ▼ ▼	A46 A31	USN1N758A PZT10A	▼ ▼	A46 A31a	1N1512A SV133	▼ ▼	DO7	1N1523A TI655C9 1N1604A	▼ ▼ ▼	C3 DO4	
1N1315	C1	13	1N227 1N944B 1020654	▼ ▼ #	C1 DO7	1N716A USN1N944B 2031194	▼ ▼ ▼	A46 DO7 C1	1N759A USN1N945B	▼ ▼	A46 DO7	1N941A 6150011-5	▼ ▼	DO7 A31a	

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IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N1315A12V	C1	13	1N766A 1N1772 1N3521 2019599-12	D07 A31 D07 ▼/A25	1N964B 1N2499 SV136	D07 S192 D07	USN1N964B 1N2499C 615010-13	▼/A31	1N1351 1N3021A 720670-73	▼/A46	
1N1316	C1	13	1N228 1N2038 PS6316 2031180	▼/C1 DO12 ▼/A46 ▼/A1	1N718A ZA15-2 D615002-13 8991178-16	D07 C1 # A23	1N1316A15V SV138 111356D	▼/A25	C1 1N1514A 353-2563-00 2019611-1	▼/A1 C1	
1N1316A15V	C1	13	1N228-2 1N1427 2019611-1	▼/C1 C1 ▼/A1	1N718A 1N3522 2031180	D07 D07 ▼/A1	IN965B QZ15T5 2031401	▼/A25	USN1N965B SV138	▼/D07	
1N1316A15.75V	C1	13	1N228A 1N3523 SV2021	▼/C1 D07 ▼	1N767A SV139 CD3128	D07 D07 A23	1N966B S322-1108P1 615002-27	▼/A1	USN1N966B SV1021	▼/D07	
1N1317	C1	13	1N768 1N1317A19V SV1024	▼/C1 C1 ▼	1N768A 1N2039 HZ8155	D07 DO12 A23	1N1317 SV143 720670-65	▼/A1	1N1317A SV224 C12	▼/C1 D07 S19a	
1N1317A18V	C1	13	1N720A 1N3524 HZ8144	▼/D07 D07 ▼/A23	USN1N967B GLZ18BCA 925008-19	D07 D07 A23	1N967B FZ18T5 C2019621-1	▼/A25	IN3026B A21c SV142	▼/A31a	
1N1317A19V	C1	13	1N1317A QZ19T5 CD3129	▼/C1 A21c A23	1N1737 SV143 HZ8145	▼/A29 D07 D07	1N1737A SV1024 720670-64	▼/A46	GLZ19BDA SV2024	▼/D07	
1N1317A20V	C1	13	JJC7877H11 1N3027B CE93903	▼/C1 A31a ▼/D07	1N721A IN3525 615010-22	▼/D07 D07 ▼/A1	1N968B SV144 925251-6	▼/A1	USN1N968B CVC6014-22 2019600-14	▼/D07 ▼/A1 ▼/A1	
1N1317A	C1	13	1N768A GLZ19BDA SV1024 HZ8145	▼/D07 D07 ▼/A23	1N1317A19V QZ19T5 SV2024 720670-64	▼/C1 A21c ▼/A46	1N1737 ZA20-2 SV2093	▼/A29 # ▼/D04	1N1737A SV143 CD3129	▼/A29 D07 A23	
1N1318	C1	13	1N230 1N1516A SV168	▼/C1 ▼/D07	1N668 1N1527A DXX766-1000-4	▼/D07	USN1N969B 1N1880A HZ8156	▼/D07	1N1318A22V ZA25-2 2030318	▼/C1 ▼/C1 ▼/A1	
1N1318A22V	C1	13	1N668 1N1527A SV168	▼/D03 ▼/D07	1N968B IN3526 SV1033	D07 D07 ▼/D07	USN1N969B GLZ22BCA 720670-28	▼/A19	1N1516A QZ22T5	▼/A21c	
1N1318A24V	C1	13	1N1318A25V SV1035 925251-10	▼/C1 D04	1N2820B AV2025 925251-11	▼/C5a A19 A6a	LPZ25BBA SV2105 967164-501-13	▼/A1	PR646 720670-67	▼/A6 ▼/A31a	
1N1318A25V	C1	13	1N1318A24V SV1035 925251-10	▼/C1 D04	1N2820B AV2025 925251-11	▼/C5a A19 A6a	LPZ25BBA SV2105 967164-501-13	▼/A1	PR646 720670-67	▼/A6 ▼/A31a	
1N1319	C1	13	1N231 1N1517A 575R743H13 8991178-22	▼/C1 ▼/A27 ▼/A23	1N669 1N1937A D615002-19	▼/D07 #	USN1N971B 1N3528 617893-2	▼/D07 D07 ▼/C1	1N1430 ZA30 2243275	▼/D07	
1N1319A	C1	13	1N725A 1N1964A30V B484529-5	▼/D07	1N972B IN3529 B484529-8	▼/D07 D07 #	USN1N972B ZA30-2 625013-073	▼/D07 # ▼/A86	1N1319A30V 575R786H06 625013-074	▼/C1 ▼/A23 ▼/A86	
1N1319A30V	C1	13	1N725A 1N1421 1N3529	▼/D07	1N972B 1N1782A 3Z30A	▼/D07 A31 D04	USN1N972B 1N1882A30V 575R786H06	▼/D07 ▼/A23 ▼/A23	1N1361A 1N1964A30V 625013-073	▼/A86	
1N1320	C1	13	1N232 1N974A F1010	▼/C1 D07 A31	1N726A 1N1784 D615002-20	▼/D07 S11 #	1N973B IN3032B C617893-3	▼/D07 A31a #	USN1N973B 1N3530	▼/D07 D07	
1N1321	C1	13	1N233 1N1939 AV2037	▼/C1 A19	1N975B IN1966 AV4037	▼/D07 S10	USN1N975B IN1993 AV8037	▼/D07 S11	IN1883 IN3532	D07	
1N1321A42V	C1	13	1N2770 CO121456B AV4040	▼/A48e C1 S10	1N2770A S1345 AV4043	▼/A48e A9 S10	W40A AV2040 AV8040	▼/S20 A19 S11	CO121456A AV2043 AV8043	▼/C1 A19 S11	
1N1322	C1	13	1N234 USN1N977B 1N3410	▼/C1b D07 P5	1N730 -1N1940 1N3424	▼/D07 P5	1N977A 1N1967 1N3534	▼/D07 D07	IN977B IN1994 632704-113	▼/A1	
1N1323	C1	13	1N235 1N1941 575R743H11	▼/C1b A27	USN1N979B 1N1968 CD3169	▼/D07 #	1N979B 1N1995	▼/D07	IN1323A AZ13	▼/C1 C1	
1N1323A	C1	13	1N1323A60V AV2056 SV4056	▼/C1 A19 A45	ZA60-2 AV2057 SV4056A	▼/A19 A45	PS1507 AV2058 B484529-4	▼/A48h A19 #	PS1507A AV2059	A48h A19	

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IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N1323A60V	C1	13	1N980B UZ760	D07 A60	USN1N980B AV2058	♦ D07 A19	1N1323A AV2059	▼ C1 A19	GLZ62BCA CD3171	DO7	
1N1324	C1	13	1N236 1N981B 1N1969 S322-1110P2	C1b D07 C1	1N670 USN1N981B 615010-36	▼ D07 A31a	1N734 USAF1N1324	DO7 C1 P5 ZA70	1N981A 1N1942	DO7	
1N1327	C1	13	1N239 1N1945 ZA125-2	C1b C1	USN1N987B 1N1922 PS6327	♦ D07	USN1N988B 1N1999	♦ DO7	1N1798 1N3046B	A31 A31a	
1N1335		12	1N1336 1N1676 1N3169	S14f S14e	1N1381 1N2061 1N3738	S14a S8b D09	1N1382 1N2063 1N3739	S14a S8b D09	1N1675 1N3168	S14f S14g	
1N1341A	DO4	12	USAF1N1202 1N1612A 1N2147A TM8	▼♦ DO4 S35	1N1341 1N2147 1N2491	♦ ▼ D04	S26 S35 1N2566	1N1341B 1N2147A 1N2566	▼ S35 S35 MR5N	S26 S35 S4c	
1N1341RA Reverse Polarity Type	DO4	12	see 1N1341A for replacement types.			Observe proper polarity					
1N1342	S26	12	1N249 1N1343 1N1344A BY402	▼ S26 DO4 ▼ S35	USAF1N1202 1N1343A 1N1344B KS602BA	▼♦ DO4 KS602BA	S27 1N1342A 1N1343B 1N1613A 2183190	DO4 DO4 DO4 ▼	1N1342B 1N1344 6F10	S25 DO4	
1N1343	S26	12	USAF1N1202 1N1345 1N1347	▼♦ S26 ▼ S26	1N1344 1N1346 1N1347A	▼ S25 S26 DO4	1N1344A 1N1346A 1N1348	DO4 DO4 S26	1N1344B 1N1346B 6F50	DO4 DO4 DO4	
1N1344	S25	12	USAF1N1202 1N1345A 1N1346B 6F50	▼♦ DO4 ▼ DO4	1N1344A 1N1345B 1N1347	DO4 ▼ S26	1N1344B 1N1346 1N1347A	DO4 S26 DO4	1N1345 1N1346A	S26 DO4 S26	
1N1345	S26	12	USAF1N1204 1N1346A 1N1347B 6F50	▼♦ DO4 ▼ DO4	1N1345A 1N1346B 1N1348	DO4 ▼ S26	1N1345B 1N1347 1N1348A	DO4 S26 DO4	1N1346 1N1347A	S26 DO4 DO4	
1N1346	S26	12	USAF1N1204 1N1347A 1N1348B	▼♦ DO4 DO4	1N1346A 1N1347B 1N1616A	DO4 DO4 DO4	1N1346B 1N1348 6F50	DO4 S26 DO4	1N1347 1N1348A	S26 DO4	
1N1347	S26	12	1N1206 1N1348A 1N2497	▼ S27 DO4	1N1347A 1N1348B 6F50	▼ DO4 DO4	1N1347B 1N1616A	DO4 DO4	1N1348 1N2153A	S26 S35	
1N1347A	DO4	12	1N1206 1N1348A 1N2497	▼ S27 DO4	1N1347 1N1348B 6F50	▼ DO4	1N1347B 1N1616A	DO4	1N1348 1N2153A	S26 S35	
1N1347RA Reverse Polarity Type	DO4	12	see 1N1347A for replacement types.			Observe proper polarity					
1N1348	S26	12	1N1206 1N2153 1N2561	▼ S27 S35 S35	1N1348A 1N2153A 1N2571	DO4 S35 S35	1N1348B 1N2497 1N2572	DO4 DO4 S35	1N1616A 1N2557	DO4 S35	
1N1351	DO4	13	1N1351A 1N2044D 1N2974A A895H884-1	▼ DO4 DO4 DO4	1N1604 1N2045 USA1N2974B 2157086-2	DO4 ▼ DO4 ▼ DO4	1N1604A 1N2498 10EZ10T10	DO4 DO4 S22	1N1892 S19a 1N2498C DXXT66-1001-4	DO4 S19a DO4 S19	
1N1351A	DO4	13	1N1604A USN1N2808B PR515	▼ DO4 ▼♦ C5a S4b	1N1743 USA1N2974B SV2015	DO4 ▼ DO4 ▼ S11	1N2045A HPZ10 720670-15	DO4 S11	1N2498A 10M10ZR5 4660207	DO4 DO4	
1N1352	DO4	13	1N1352A 1N2499C 1N2975B	▼ DO4 DO4	1N2045B 1N2809A S11Z	DO4 C5a S70	1N2499 USN1N2809B	DO4 C5a S21c	1N2499A C5a 1N2975A	DO4 DO4	
1N1352A	DO4	13	1N2045B 10Z11T5		1N2499A MZ11BFA	DO4	USN1N2809B	DO4 C5a S4b	1N2975B	DO4	
1N1353	DO4	13	1N1353A 1N1605A 1N2976B	▼ DO4 DO4	1N1417 1N2500 10M12Z10	▼ DO4 DO4	1N1605 1N2500C 2168900	DO4 DO4	1N1893 1N2976A A8954884-3	DO4	
1N1353A	DO4	13	1N1417 1N2810B SV2017	▼ C5a DO4	1N1605A USN1N2810B 956442-501	▼ DO4 C5a	1N2046A 1N2976B	DO4 DO4	1N2500A 50M12Z5	DO4 TO3	
1N1354	DO4	13	1N1354A 1N2046B 2157086-5	▼ DO4	1N1816 1N2977A A8954884-4	▼ DO4	1N1816A 1N2977B	DO4	1N1816C PR413	S21c	

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1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N1354RA Reverse Polarity Type	DO4	13	Observe proper polarity versions. 1N2977B	DO4	1N1354A PR518	DO4	1N1816RA 2157086-5	DO4	use reverse- 1N2811B	C5a	
1N1355	DO4	13	1N1355A 1N1817A 1N2979B 2019269-1	DO4 DO4 DO4 #	1N1418 1N1817C PR520 2157086-3	DO4 S4b DO4 DO4	1N1606A 1N2047A SV2020 A8954884-5	DO4	1N1817 1N2979A 2031310	S19a DO4 S11a	
1N1355A	DO4	13	1N1418 USN1N2813B SV2020	DO4 C5a DO4	1N1606A 1N2979B SV2149	DO4 DO4 S4a	1N1817A PR520 2031310	DO4 S4b DO4	1N2047A 50M15Z5	TO3	
1N1355RA Reverse Polarity Type	DO4	13	see 1N1355A for replacement types. Observe proper polarity.								
1N1356A	DO4	13	1N1818A 1N2980B SV2021	DO4 DO4 DO4	1N2047B USA1N2980B	DO4	1N2814B 10Z16T5	C5a	USN1N2814B PR521	C5a S4b	
1N1357	DO4	13	1N1357A 1N1819 1N2048A A8954884-7	DO4 S19a DO4 #	1N1419 1N1819A 1N2982A	DO4 DO4 DO4	1N1607 1N1819C 1N2982B	DO4 DO4 DO4	1N1607A 1N1895 SV2023	DO4	
1N1357A	DO4	13	1N1419 1N2982B SV2023	DO4	1N1607A PR523	DO4 S4b	1N1819A 575R338H02	DO4 DO4	USN1N2816B 1N2048A	S5a	
1N1358A	DO4	13	1N1820A 10M20ZR5	DO4 DO4	1N2048C 50M20Z5	DO4 DO4	1N2818B SV2025	C5a	USA1N2984B 925251-9	DO4 DO4	
1N1359A	DO4	13	1N1420 USA1N2985B D615003-320	DO4 C5a #	1N1608A 50M22ZR5	DO4 DO4 #	1N1821A PR544	DO4 S4b	USN1N2819B 1N2049A	C5a	
1N1360	DO4	13	1N1360A 1N2049B 8950230-32	DO4 DO4 S28	1N1822 1N2986A A8954884-10	S19a DO4 #	1N1822A 1N2986B	DO4 DO4	1N1822C SV2045	▼	
1N1360RA Reverse Polarity Type	DO4	13	Observe proper polarity when using following replacements or use reverse-polarity versions.								
			1N1822A	DO4	1N2049B				USN1N2820B	C5a	
1N1361A	DO4	13	1N1421 1N2988B	DO4 DO4	1N1609A 50M27Z5	DO4 DO4	1N1823A 2124398	DO4 S28	USN1N2822B 2661905	C5a S28	
1N1362	DO4	13	1N1362A 1N2823A A8954884-12	DO4 C5a #	1N1824 1N2989A	S19a DO4	1N1824A 1N2989B	DO4 DO4	1N1824C 615003-6	DO4 S11	
1N1362A	DO4	13	1N2823B 615003-6	DO4 S11	USN1N2823B	DO4	1N2989B	DO4	1N1824A	▼	
1N1362RA Reverse Polarity Type	DO4	13	D615003-206	#	D615003-306	#	1N1824RA	▼	Observe proper polarity.		
			also see 1N1362A for replacement types.								
1N1363A	DO4	13	1N1825A USA1N2990B AV8034	DO4 DO4 S11	1N2824B 50M33Z5	C5a DO4 #	USN1N2824B	C5a	1N2990B AV8033	DO4 S11	
1N1364A36V	DO4	13	1N1364A AV8035	DO4 S11	1N1826A AV8036	DO4 S11	USN1N2825B	C5a	1N2991B	DO4	
1N1364R Reverse Polarity Type	DO4	13	Observe proper polarity when using following replacements or use reverse-polarity versions.								
			1N1364A 1N1826 1N2991B	DO4 S19a DO4	1N1826A AV8035	DO4 DO4 S11	1N1364A36V 1N1826C	DO4	1N2825A 1N2991A	C5a DO4	
1N1365	DO4	13	1N1365A 1N2826A 1N2992B A8954884-15	DO4 C5a DO4 #	1N1827 1N2826B 10M39Z5	S19a C5a DO4 DO4	1N1827A C5a DO4 DO4	DO4 C5a DO4 DO4	1N1827C 1N2992A DXX766-1001-9#	DO4	
1N1365A	DO4	13	1N1827A 10M39Z5	DO4 DO4	1N2826B 50M39Z5	C5a DO4	USN1N2826B	C5a	1N2992B	DO4	
1N1366	DO4	13	1N1828 1N2827A S43Z	S19a C5a S70	1N1828A USN1N2827B AV8042	DO4 C5a S11	1N1828C 1N2993A 2019269-2	DO4	1N2887A 1N2827B A8954884-16	C5a DO4	
1N1366A	DO4	13	1N1828A AV4044	DO4 S11	1N1828B AV8042	C5a S11	USN1N2827B	C5a	1N2993B	DO4	
1N1367	DO4	13	1N1367A 1N1900 1N2995A	DO4	1N1829 1N2829A 1N2829B	S19a C5a C5a	1N1829A 1N2829B 2019269-3	DO4	1N1829C USN1N2829B A8954884-17	C5a	
1N1367A	DO4	13	1N1829A DXX766-1001-13	DO4	1N2829B AV8044	C5a S11	USN1N2829B	C5a	1N2995B AV8046	DO4 S11	
1N1368A	DO4	13	1N1830A 1N2961 MZ50BBA	DO4	1N2830B 1N2997B	C5a DO4	1N2831B USA1N2997B	C5a DO4	USN1N2831B 10M50ZR5	C5a DO4	

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1N1368RA	DO4	13	see 1N1368A for replacement types. Observe proper polarity.												
Reverse Polarity Type			1N1369A	DO4	1N1831A USA1N2999B	DO4	1N2832B 50M56ZR5	DO4	C5a USN1N2832B	DO4	1N2999B	DO4			
					▼	▼	▼	▼	◆	▼	▼	▼	DO4		
1N1370A	DO4	13	1N1832A 10M62Z5	DO4	1N1832A AV8060	DO4	USN1N2833B AV8061	DO4	C5a S11 USN1N2999B AV8061	DO4	1N3000B	DO4			
1N1371A	DO4	13	1N1422 1N3001B	DO4	1N1833A AV8066	DO4	S11	DO4	1N1902A	DO4	1N2834B	C5a			
1N1372	DO4	13	1N1372A 1N3002A A8954884-22 #	DO4	1N1834 1N3002B	DO4	1N1834 AV8071	DO4	S11 DO4 S11 1N1834C AV8072	DO4	1N1834C AV8072	S11			
1N1372RA	DO4	13	Reverse Polarity Type	1N3002B	Observe proper polarity when using following replacements or use reverse-polarity versions	DO4	1N1834A	DO4	USN1N2835B	DO4	C5a				
				▼	DO4				▼						
1N1373	DO4	13	1N1373A 1N2834B 1N3003B A8954884-23 #	DO4	1N1835 C5a 10M82ZR5	DO4	S19a C5a 615003-308	DO4	1N1835A USN1N2836B 615003-308	DO4	1N1835C 1N3003A 615003-8	DO4			
1N1374	DO4	13	1N1374A 1N3004A D615003-10 #	DO4	1N1836A 1N3004B D615003-210 #	DO4	DO4	1N1837A AV8084 D615003-310 #	DO4	C5a S11 1N2837B AV8085 A8954884-24 #	C5a S11				
1N1375	DO4	13	1N1375A 1N2008A USN1N3005B	DO4	1N1423 1N2008C 57R338H05	DO4	DO4	1N1904 1N2838A A8954884-25 #	DO4	1N2008 1N3005A	S19a DO4				
1N1375A	DO4	13	1N1423 10M100Z5 615003-309	DO4	1N2008A SZ554	DO4	DO4	1N2838B AC052858A	DO4	USN1N3005B 615003-9	DO4				
1N1377	S14h	12	1N1331 1N1671 1N2059 720660-21	S14f S8b S14f	1N1332 1N1672 1N3162	S14f S8b S14e	1N1378 1N2057 1N3736	S14h S8b DO9	1N1379 1N2057 1N3736	S14h S8b DO9	1N1379 1N2058 327B	S14h S8b			
1N1378	S14h	12	1N1332 1N1672 1N2059	S14f S8b ▼	1N1334 1N1673 1N3164	S14f S14e	1N1379 1N2057 1N3736	S14h S8b DO9	1N1379 1N2057 1N3736	S14h S8b DO9	1N1380 1N2058	S14h S8b			
1N1379	S14h	12	1N1334 1N2058 1N3736	S8b DO9	1N1380 1N2059 D617834-21 #	S14h S8b DO9	1N1674 1N3165	S14f S14e	1N1674 1N3165	S14f S14e	1N2057 1N3166	S8b S14e			
USAF1N1397	♦	S14b	12	1N1397 USAF1N1399 4JA62C	S14b S14b	1N1398 1N1400	S14b S12b	USAF1N1398 1N2437	S14b DO8	USAF1N1398 1N2437	S14b DO8	1N1399 4JA60CX42	S14b		
1N1398	S14b	12	USAF1N1398 1N2438 4JA60CX42	S14b DO8	1N1399 1N2439 4JA62C	S14b DO8	1N1399 1N2440	S14b DO8	USAF1N1399 1N2440	S14b DO8	1N1400 1N3141	S12			
1N1402	S14b	12	USAF1N1402 1N2445	S14b DO8	1N1403			USAF1N1403	♦	S12	1N2444		DO8		
1N1408		12	1N365 1N878 1N2374 103841A	A53 8PIN	1N365A 1N1409 1N2503 D617834-21 #	DO2 A6	1N561 1N1410 2W12A A32113543	DO3 A45 A48c	1N598 1N1731 TM126	DO3 A45 A48c	1N598 1N1731 TM126				
1N1410		12	1N1134 1N1732 1N3283	F14b A48d DO7	1N1411 1N2375 103841A	▼ 8PIN	1N1412 1N2504 720680-9	▼ A48d	1N1412 1N2890	▼ A48d	1N1731 1N2890				
1N1411		12	1N1412 1N2890 1N3284	DO7	1N1413 1N2891 1N3285	A53	1N1732 1N2894 720680-9	▼ A48d	1N1732 1N2894 720680-9	▼ A48d	1N2376 1N2895				
1N1412		12	1N1413 1N2891 1N3285	A53 DO7	1N1732 1N2894 720680-9	A48d	1N2376 1N2895				1N2890 1N3284		DO7		
1N1413		12	1N2382 1N2897	A48c	1N2894 1N3285	DO7	1N2895 576R068H02	▼ A48d	1N2895	DO7	1N2896				
1N1414		12	1N1206A 1N2255A 1N2593	DO4 S35 A35	1N1206B 1N2406	C8	1N1615 1N2415	▼ A48d	1N1615 1N2415	DO4 C9	1N2254A 1N2591	DO4 S35			
1N1415		12	1E4 1N2424	A3c F8	1N1914 1M2542	A86 S35	1N2406 1N3191	C8 A31a	1N2406 1N3191	C8 A31a	1N2415 1N3759	C9 A38f			
1N1416		13	1N1603A PR511	DO4 S4b	1N2044A			USN1N2806B	♦	C5a	1N2972B	▼	DO4		
1N1417		13	1N1353A 1N2810B SV2017	DO4 C5a	1N1605A USN1N2810B 956442-501	DO4 C5a	1N2046A 1N2976B	▼ DO4	1N2046A 1N2976B	▼ DO4	1N2500A 50M12Z5	▼ DO4			

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1N1419		13	1N1357A USN1N2816B	▼ D04 C5a	1N1607A 1N2982A	DO4 ▼ D04	1N1819A PR523	▼ D04 S4b	1N2048A SV2023	▼	
1N1420		13	1N1359A USN1N2819B	▼ D04 C5a	1N1608A USA1N2985B	DO4 ▼ C5a	1N1821A 50M22ZR5	▼ D04 T03	1N2049A PR544	S4b	
1N1421		13	1N1361A 1N2988B	▼ D04 DO4	1N1609A 50M27Z5	▼ D04 T03	1N1823A 2061905	DO4 ▼ D04	USN1N2822B 2124398	▼ D04 S28	
1N1422		13	1N1371A AV8066	▼ D04 S11	1N1833A	▼	USN1N2834B ▼ D04	▼ D04 C5a	1N3001B	▼ D04	
1N1423		13	1N1375A 10M100Z5	▼ D04 DO4	1N2008A SZ554	▼ D04 S4b	1N2838B AC052858A	▼ D04 ▼ D04	1N3005A 615003-9	▼ D04 S28	
1N1426		13	1N1353A 1N1773A PZP12A	▼ D04 DO4 ▼ A31a	1N1417 1N2046A 956442-501	▼ D04 ▼ A31a	1N1524A 1N2500A 1060472-2	▼ D03 ▼ D04 ▼ D04	1N1605A LPZ12A	▼ D04 A31a	
1N1427		13	1N1355A 1N1606A LPZ15A	▼ D04 DO4 ▼ A31a	1N1418 1N1775A PR620	▼ D04 A31 A6	1N1525A 1N3024B 2157094-2	▼ D03 ▼ D03 ▼ D03	1N1595A 1Z15A	▼ D04 DO3	
1N1430		13	1N1361A 1N1781A AV4027	▼ D04 A31 S10	1N1421 1N2988B 2061905	▼ D04 DO4 ▼ D04	1N1528A 1N3030B 2124398	▼ D03 ▼ D03 ▼ D03	1N1609A AV2027 8991179-15	▼ D04 A19 DO3	
USA1N1430		13	1N1361A 1N1781A AV4027	▼ D04 A31 S10	1N1421 1N2988B 2061905	▼ D04 DO4 ▼ D04	1N1528A 1N3030B 2124398	▼ D03 ▼ D03 ▼ D03	1N1609A AV2027 8991179-15	▼ D04 A19 DO3	
1N1431		13	1N1371A 1N3001A 1060472-1	▼ D04 DO4 ▼ D04	1N1422 1N3040B A31	▼ D04 ▼ D04 A31	1N1791A E5T50A68	▼ D03 ▼ D03 ▼ D03	1N1833A E5T50B68	A78a	
1N1432		13	1M100Z5 E5T50A100 615003-9	▼ D01 A78a ▼ D04	1N1375A E5T50B100 615003-309	▼ D04 A78a ▼ D04	1N1423 10M100Z5	▼ D04	USN1N3005B SZ554	▼ D04 S4b	
1N1439		12	1N441B 1N445B 1N3253	▼ D03 DO3 A50a	1N442B 1N2069A 75E1	▼ D03 DO3 A3c	1N443B USN1N3189 COD1531	▼ D03 ▼ D03 A75	1N444B A31a 2157083-1	▼ D03 A50 A34a	
1N1440		12	1N442 1N540 1N2611 2028462	▼ D01 ▼ D03 A31a A3c	1N443B 1N1488 1N2612	▼ D03 DO3 ▼ A31a	1N538 1N1489 1N2070	▼ D01 ▼ D03 ▼ A3c	1N539 1N1490 USN1N3189	▼ D03 A31a	
1N1441		12	1N442B 1N612 1N2070 SD93A	▼ D03 DO4 A3c DO3	1N443B 1N612A 1N2612 816B520-4	▼ D03 DO4 ▼ A31a ▼ D03	1N539 1N1489 1N3194	▼ D03 DO3 A50	1N540 1N1490 1N3278	▼ D01 A38f	
1N1442		12	1N443B 1N612A 1N1492 1N3278	▼ D03 DO4 DO3 A38f	1N444B 1N1095 1N2070	▼ D03 DO3 ▼ A3c	1N540 1N1096 USN1N3189	▼ D01 DO3 A31a	1N612 1N1490 1N3194	▼ D04 A50	
1N1443	DO1	12	1N443B	A34a	1N444	S25					
1N1449	S41b	12	1N1223 1N1453 320M	▼ DO1 ▼ S41a ▼	1N1224 1N1542 426-10001	▼ DO1 ▼ DO4 ▼ S4b	1N1233 1N1566A 307H	▼ S25 ▼ C14 ▼ DO1	1N1234 1N1911 308M	▼ S25 A86 S25	
1N1450	S41a	12	1N1085 1N1538 1N2536	▼ F17 DO4 S35	1N1086 1N1582 1N2537	▼ F17 DO4 S35	1N1124 1N1583	▼ D04 DO4 DO4	1N1218 1N1587	▼ D01 D04	
1N1453	S41a	12	1N1118 1N1233 1N1566A 308M	▼ DO4 S25 C14 S25	1N1911 1N1234 1Z4.7A 320M	▼ A8c S25 DO3 ▼ S4b	1N1223 1N1449 1Z6.2T5	▼ D01 S41b DO4	1N1224 1N1542 307H	▼ D01 D04 D01	
1N1454	M56	12	1N1223 1N1233 320M	▼ DO1 S25 ▼	1N1224 1N1234 426-10001	▼ DO1 S25 ▼ S4b	1N1225 1N1236	▼ A34b S25	1N1226 308M	▼ D01 S25 A34b	
1N1462		12	1N413B 1N2431	S54 DO8	USAF1N593 1N2433	DO8	1N2134 CH116A	DO8 DO5	1N2429	DO8	
1N1484		13	1N1482 1N3826 PS1425	A31a A48d	1N1519A 1Z4.7A SV2005	▼ DO3 DO3 ▼	1N1600A 202-376 720670-14	▼ D01 S19a S11a	1N2041B 766-1001-3	S19	
1N1485		13	1N1483 10Z6.2T5 SV2007	▼	USA1N1485 202-447 666137-234	▼ S19a ▼ S4c	1Z6.2T5 OAZ223	DO3	3Z6.2T5 PR608	A6	
USA1N1485		13	1N1483 10Z6.2T5 SV2007	DO7	1N1485 202-447 666137-234	▼ S4c	1Z6.2T5 OAZ223	DO3	3Z6.2T5 PR608	A6	

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1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N1487	DO3	12	1N440B 1N1488	▼ DO3	1N537 1N1645 1N3229	▼ DO3	1N538 A53 1N1647 A111 2JC4261-6	▼ DO1	JAN1N538 A53 1N2610 SD91A	▼♦ DO1 A31a DO3	
1N1488	DO3	12	1N442B 1N539 1N2069 2028462	▼ DO3 A3c	1N443B 1N540 1N2070	▼ DO3 A3c	1N538 DO1 1N1489 1N2611	▼ DO1 A31a	JAN1N538 1N1490 1N2612	▼♦ DO1 A31a	
1N1489	DO3	12	1N442B 1N612 1N2612 816B520-4	▼ DO3 A3c	1N443B 1N612A 1N3194	▼ DO4 A50	1N539 DO4 1N1490 1N3278	▼ DO3 A38f	1N540 1N2070 SD93A	▼♦ DO1 A3c DO3	
1N1490		12	1N443B 1N612A 1N2070	▼ DO4 A3c	1N444B 1N1095 1N3194	▼ DO3 A50	1N540 1N1096 1N3278	▼ DO1 DO3 A38f	1N612 1N1492	▼♦ DO4 DO3	
1N1491	DO3	12	1N444B 1N614A 1N2071 2262264-5	▼ DO4 A3c	1N445B 1N1095 SD95A	▼ DO3	1N547 1N1096 152-048	▼ DO1 DO3 DO3	1N614 1N1492 816B520-6	▼♦ DO4 DO3 DO3	
1N1492	DO3	12	1N445B 1N1096 152-012	▼ DO3 A3c	1N547 1N2071 152-048	▼ DO3 DO3	1N614 1N3280 2094056	▼ DO4 A38f A84	1N614A 1N3476	▼♦ DO4 A66	
1N1507A		13	1N704A 1N3508	▼ DO7	1N1518A PS1423	▼ A48d	1N1588A		1N1599A		
1N1508		13	1N1484 1N2032 202-376	▼ DO12 S19a	1N1508A 1Z4.7A 766-1001-3	▼ DO3 S19	1N1519A R4.7 SV2005	▼ DO3	1N1589A ZB4.7 L221821-1	▼♦ A33 A8a	
1N1508A		13	1N1519A 766-1001-3 720670-14	▼ DO3 S19a	1N3826 SV1005 L221821-1	▼ A31a A8a	1Z4.7A PS1425	▼ DO3 A48d	202-376 SV2005	▼♦ S19a	
1N1509A		13	1N1601A PR506 1979832-3	▼ A27	1N2042A PR606	▼ A6	1Z5.8T5 SV1006	▼ DO3	OAZ222 2041596	▼♦ A33	
1N1510		13	1N1521 1N2043 PR609 1979827-1	▼ DO4 A6 S4c	1N1591 1N3016B PR806 1979832-4	▼ A31a A6 A27	1N1602 ZB6.8 SV1009	▼ A33	1N2034 202-363 615010-28	▼♦ A31 A1	
1N1510A		13	1N1521A 1N3017B SV1009	▼ DO3 A31	1N1591A 1N3112 SV1010	▼ DO4 A6	1N2970B 202-363 1979832-4	▼ DO4 A31 A27	1N3016B PR609	▼♦ A31a A6	
1N1511		13	1N1425 1N1592 ZB8.2 L221821-9	▼ A33 A8a	1N1511A 1N1875 C8.2Z	▼ DO7	1N1522 1N3018A 16A-17	▼ DO3 A31a	1N1522A 1N3018B SV1011	▼♦ A31a	
1N1511A		13	1N1416 1N2044A PR511	▼ S4b	1N1425 USN1N2806B PR611	▼ C5a A6	1N1522A 1N2972B	▼ DO3 DO4	1N1603A 1N3018B	▼♦ DO4 A31a	
1N1512A		13	1N1351A 1N1771A PR615	▼ DO4 A31 A6	1N1523A 1N2498A SV1015	▼ DO3 DO4	1N1604A 1N3020B	▼ DO4 A31a	1N1744 PZT10A	▼♦ A31a	
1N1513A		13	1N1417 1N2046A PZP12A	▼ A31a	1N1426 1N2500A SV1017	▼ DO4	1N1524A USN1N3022B 1060472-2	▼♦ DO13 A31	1N1605A LPZ12A	▼♦ DO4 A31a	
1N1514		13	1M15Z10 1N1595A 1N3024B	▼ DO1 A31a	1N1427 1N1775 1Z15A	▼ DO4 A31 DO3	1N1525 1N1775A 625014-443	▼ DO3 A31a	1N1595 A31 1979832-2	▼♦ A27	
1N1514A		13	1N1355A 1N3024B SV1020	▼ DO4 A31a	1N1427 1Z15A 2031401	▼ DO3 A25	1N1525A LPZ15A 2157094-28	▼♦ C12	1N1775A PR620	▼♦ A31 A6	
1N1515		13	1N1515A 1N3026B SV1023	▼ A31a	1N1526 ZB18 2019621-1	▼ DO3 A25	1N1777 C18Z SS18Z	▼ A31 DO7 A21c	1N1879 322-1167-P13 8950229-13	▼♦ A31 A41	
1N1516		13	1N1516A 1N1779 PZT22A	▼ A31 A31a	1N1527 1N1880 SV1033	▼ DO3	1N1527A 1N1880A 615002-15	▼ DO3	1N1597 USN1N3028B 720670-28	▼♦ A31a A19	
1N1516A		13	1N1359A 1N1821A PR644	▼ DO4 A6	1N1420 1N1880A SV1033	▼ DO4 A19	1N1429 USN1N2819B 720670-28	▼ C5a A19	1N1527A PZT22A	▼♦ A31a	
1N1517A		13	1N1361A 1N1609A AV2027 8991179-15	▼ DO4 A19	1N1421 1N1781A AV4027	▼ A31 S10	1N1430 1N2988B 2061905	▼ DO4 S28	1N1528A 1N3030B 2124398	▼♦ DO3 DO13 S28	

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▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N1518	DO3	13	1N1518A 1N1599A ZK3.9	S19	1N1588 3R3.9 ZT3.9	S34	1N1588A R3.9 PS1423	A48d	1N1599 ZG3.9	S4a	
1N1518A	DO3	13	1N1588A		1N1599A		PS1423	A48d			
1N1519	DO3	13	1N1484 R4.7 766-1001-3	S19	1N1519A ZT4.7 PR804	DO3 A34 A6	1N1589A 202-376 SV2005	S19a S11a	1Z4.7A PR505	DO3 S4b	
1N1519A	DO3	13	1N1482 1N3826 PS1425	A31a A48d	1N1484 1Z4.7A SV2005	DO3	1N1600A 202-376 720670-14	S19a S11a	1N2041B 766-1001-3	S19	
1N1520	DO3	13	1EZ5.6T10 1N1803 Z4X5.6B 1979827-2	S11 DO3 S4c	A35a 1N1590A 1N2042 DXX766-1001-1	DO4	1N1601 1N3827 SV905	A31a	1N1765 1T5.6 1N1520A	A31 A6a DO3	
1N1520A	DO3	13	1N1601A PR506		1N2042A		1Z5.8T5	DO3	OAZ222		
1N1521	DO3	13	1N1591 1N3016B PR806	A31a A6	1N1602 PR509 SV2009	S4b	1N2043 PR609 1979827-1	DO4 A6 S4c	1N2043A PR706	S4b	
1N1521A	DO3	13	1N1591A 1N3017B	A31a	1N2043B 1N3112	A6	1N2970B PR609	DO4 A6	1N3016 1979827-1	A31a S4c	
1N1522	DO3	13	1N1416 1N1592A 1N2972B	DO4 DO4	1N1425 1N1603 1N3018A	DO4 A31a	1N1522A 1N1807 1N3018B	DO3 DO4 A31a	1N1592 1N1875 SV2012		
1N1523	DO3	13	1N1523A 1N2164A 1N3020B	A31a A31a PZT10A	1N1771 1N2166A PZT10A	A31	1N1771A 1N2167A	A31	1N1876 1N3020A	A31a	
1N1523A	DO3	13	1N1351A 1N2498A PR615	DO4 DO4 A6	1N1604A 1N3020B 720670-15	DO4 A31a S11	1N1744 10M10ZR5	DO4	1N1771A PZT10A	A31 A31a	
1N1524	DO3	13	1N1426 1N1877 LPZ12A	A31a	1N1524A 1N3022A PZP12A	DO3 A31a PZP12A	1N1594 A31a 720670-53	A31a C14	1N1773 USN1N3022B	A31 A31a	
1N1524A	DO3	13	1N1353A 1N2046A PZP12A	A31a	1N1417 1N2500A 956442-501	DO4 DO4 A31	1N1426 USN1N3022B 1060472-2	A31a A31	1N1605A LPZ12A	DO4 A31a	
1N1525	DO3	13	1M15Z10 1N1775A 1Z15A	DO1 A31 DO3	1N1427 1N1878 2157094-2	DO1 A31 C12	1N1525A 1N3024A	DO3 A31a	1N1595 1N3024B 1N1775	A31a A31	
1N1525A	DO3	13	1N1355A 1N1606A 2157094-2	DO4 DO4 C12	1N1418 1N1775A LPZ15A	DO4 A31 A31a	1N1427 1N3024B PR620	A31a A6	1N1595A 1Z15A	DO4 DO3	
1N1526	DO3	13	1N1357 1N1777 1N3026B 8950229-13	DO4 A31 A31a A41	1N1428 1N1819 AV7	S19a A19	1N1526A 1N1879 LPZT18	DO3	1N1596 1N3026A 322-1167-P13	A31a A31	
1N1527	DO3	13	1N1429 1N1779 USN1N3028B	A31 DO13	1N1527A 1N1880 PZT22A	DO3 A31a	1N1597 1N1880A 615002-15		1N1597A 1N3028A	DO4 A31a	
1N1527A	DO3	13	1N1359A 1N1779A USN1N2819B	DO4 A19 C5a	1N1420 1N1821A USA1N2985B	DO4 DO4	1N1429 1N1880A USN1N3028B	A31a	1N1608A 1N2049A PZT22A	DO4 A31a	
1N1528	DO3	13	1N1361A 1N1598 1N3030A	DO4 A31a	1N1421 1N1609 1N3030B	DO4 DO4 DO13	1N1430 1N1781 615002-22	A31 A31 A31	1N1528A 1N1881 615002-29	DO3 A9	
1N1528A	DO3	13	1N1361A 1N1781A AV4027	DO4 A31 S10	1N1421 1N2988B 2061905	DO4 DO4 S28	1N1430 1N3030B 2124398	A31a A31 S28	1N1609A AV2027 8991179-15	DO4 A19 DO3	
1N1530A	C7	13	1N430 1N3154 SV3173 8954883-2	S20 DO7 A45 C7	1N430A 1N3154A SV3176 8954883-2	S20 DO7 A45	1N430B 1N3155 D615002-28	S20 DO7 #	1N1530 1N3155A 1979829-1	C7 DO7 C7	
1N1538	DO4	12	1N1115 1N1218B 1N1582 WP5053B	DO4 A34a DO4 S25	1N1116 1N1219A 1N1908 WF5053D	DO4 DO1 A86 S25	USN1N1124A 1N1219B 1N2536 307H	DO4 A34a S35	1N1218A 1N1228A 307D	DO1 S25 DO1	
1N1542	DO4	12	1N1118 1N1233 426-10001	DO4 S25 S4b	USN1N1124A 1N1234	DO4 S25	1N1223 1N1566A 307H	DO1 C14 DO1	1N1224 1N1911 320M	DO1 A86	

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N1556		12	1N440B 1N1487 1N3629	D03 D03 A111	1N537 1N1645 SD91A	▼ D03 D03	JAN1N538 1N2610 2157083-1	▼♦ D01 A31a S34a	1N1439 1N2859	▼ DO2	
1N1560		12	1N444B 1N614A SD95A	▼ D04 D03	1N445B 1N1096 152-048	▼ D03 D03	1N547 1N1492 816B520-6	▼ D01 D03 D03	1N614 1N2071 2262264-5	▼ A3c A31a	
1N1564A	C14	12	1N1116 1N1566A	▼ C14	1N1117 1N1910 307D	▼ A86 D01	1N1118 1N1911 WP5053D	▼ D04 A86 S25	1N1542 HR10745	▼ DO4	
1N1566	C14	12	1N1118 TM51	▼ D04	1N1415 2016730-1	▼ A84	1N1566A TM41 2016730-2	▼ C14 A86 A84	USN1N3190 TM44 2042174-4	▼ A31a N2	
1N1566A	C14	12	1N1118 1N1234 426-10001	▼ S25 S4b	1N1223 1N1542 307H	▼ D04 D04 D01	1N1224 1N1911 308M	▼ D01 A86 S25	1N1233 320M	▼ S25	
1N1569		12	1N2116 WR300		USN1N3189 WR400	♦ A31a	20H L531-002-511#	A6b	SD94A 2042174-1	▼ #	
1N1572	#		see 2042174-4								
1N1581	DO4	12	1N1582 1N2229 TM7 2072233	▼ D04 D04 D04 ▼□ D04	1N1614 SM224 2157095-1	▼ D04 D04 D04 S26	1N1917 1024132B	S82 #	1N2228 MR5 2042830-1	▼ DO4 S26	
1N1582	DO4	12	1N1124 NA17 SM223 2157095-1	▼ D04 D04 D04 ▼□ S26	USN1N1124A NA27	▼ D04	IN1583 RX106 CK847	▼ D04 D04	1N1614 B94327	▼ DO4	
1N1583	DO4	12	1N1124 1N1126A CK848	▼ D04 D04 ▼	1N1124A 1N1128 NA27	▼ D04 D04 D04	1N1125 1N1587 TM37	▼ D04 D04 D04	1N1126 1N1614 CK847	▼ DO4 DO4	
1N1587	DO4	12	1N1128 USN1N3649M	▼ D04	1N1128A	▼ D04	USN1N1128AM	D04	USA1N1616 1N3649	▼ DO4 DO4	
1N1588		13	1N1588A ZG3.9	S4a	1N1599 ZK3.9	S19	1N1599A 322-1170P1	#	3R3.9		
1N1589		13	1N1482 3R4.7 PR505	S4b	1N1589A ZG4.7 766-1001-3	▼ S4a S19	1N1600A 202-376 SV2005	S19a	1N2041 322-1170P2	#	
1N1589A		13	1N1482 PR505	▼ S4b	1N1600A 766-1001-3	▼ S19	1N2041B SV2005		202-376 720670-14	▼ S19a S11a	
1N1590		13	1N1590A 1N2042 322-1170P3	▼ D04	1N1601 1N2042A DX766-1001-1	▼ D04	1N1601A ZK5.6 SV905	S19	1N1803 10EZ5.6T10 1979827-2	▼ S11 S22 S4c	
1N1591A	DO4	13	1N2043B 3Z7.5T5		USN1N2804B	▼♦ C5a S4b	USN1N2805B PR509 SV2009	C5a	1N2970B 1979827-1	▼ DO4 S4c	
1N1592		13	1N1416 1N1807 1N2972A	▼ D04 D04	1N1592A 1N1891 322-1170P5	▼ D04	1N1603 1N2044B SV2012	▼ D04	1N1603A 1N2972B	▼ DO4 DO4	
1N1593		13	1N1351A 1N2498 3R10	▼ D04	1N1593A 1N2498C 322-1170P6	▼ D04	1N1604A 1N2974A DX766-1001-4	▼ D04 S19	1N2045 USA1N2974B 2157086-2	▼ DO4 DO4	
1N1594		13	1N1353 1N1605 1N2500C 322-1170P7	▼ D04	1N1353A 1N1605A 1N2976A 2168900	▼ D04 D04 D04 D04	1N1417 1N1893 1N2976B	▼ D04	1N1594A 1N2500 10M12Z10	▼ DO4 S19a DO4	
1N1595A	DO4	13	1N1355A 1N1817A PR520	▼ D04 D04 S4b	1N1418 1N2047A SV2020	▼ D04	1N1606A 1N2979B SV2149	▼ D04 D04 S4a	USN1N2813B 50M15Z5 2031310	▼ C5a TO3 S11a	
1N1596		13	1N1357 1N1596A 1N1819C	▼ D04 D04	1N1357A 1N1607A 1N1895	▼ D04 D04	1N1419 1N1819 1N2982A	S19a S19a D04	1N1607 1N1819A S322-1170P9	▼ DO4 DO4 S4a	
1N1600		13	1N1482 ZK4.7 766-1001-3	▼ S19	1N1600A 10Z5.1T5 SV2005	▼ S19	1N2041 202-376 720670-14	▼ S19a S11a	1N2041B PR505 1999131	▼ S4b DO4	
1N1601		13	1N1601A ZK5.6 1979827-2	▼ S19	1N1803 10EZ5.6T10	▼ S22	1N2042 DX766-1001-1	D04 S19	1N2042A SV905	▼ DO4	
1N1601A		13	IN2042A		PR506		1979827-2	S4c			

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.				
1N1602		13	1N2043 PR509	▼	D04 S4b	1N2043A PR706	S4b	1N2970B SV2009	▼	D04	ZK6.8 1979827-1			
1N1603	D04	13	1N1416 1N2044A PZT8.2	▼		1N1603A 1N2044B ZK8.2	D04 S19	1N1807 1N2972A 10EZ8.2T10	▼	D04 D04 S22	IN1891 1N2972B SV2012			
1N1604A	D04	13	1N1743 USA1N2974B SV2015	▼♦	D04	1N2045A 10M10ZR5 720670-15	D04 S11	1N2498A HPZ10 4660207	▼	D04	USN1N2808B PR515			
1N1605A	D04	13	1N1353A 1N2500A 50M12Z5	▼	D04	1N1417 1N2810B	C5a	SV2017 USN1N2810B	▼	C5a	IN2046A 1N2976B			
1N1606A	D04	13	1N1355A USN1N2813B SV2020	▼♦	D04 C5a	1N1418 1N2979B SV2149	D04 S4a	1N1817A 50M15Z5 2031310	▼	D04 TO3 S11a	IN2047A PR520			
1N1608	D04	13	1N1359 1N1821 1N2049A	▼	D04 S19a	1N1359A 1N1821A 1N2985A	D04 D04 D04	1N1420 1N1821C 1N2985B	▼	D04	IN1608A IN1896 USA1N2985B			
1N1609A	D04	13	1N1361A 1N2988B 2124398	▼	D04 D04 S28	1N1421	D01	1N1823A 50M27Z5	▼	D04 TO3	USN1N2822B 2061905			
1N1614	D04	12	1N1347 USA1N1616 1N2231A	▼♦	S26 D04 S35	1N1347A 1N2230 6F50	D04 D04	1N1348 1N2230A	▼	S26	IN1615 1N2231 AM2005			
1N1615	D04	12	1N1347 1N2234 6F50	▼	S26 D04	1N1347A 1N2234A	D04 D04	1N1348 1N2235	▼	S26	USA1N1616 1N2235A			
1N1615R Reverse Polarity Type	D04	12	1N1347RA	▼	D04	also see 1N1615 for replacement types. Observe proper polarity.								
USA1N1616	♦	D04	12	1N1348 1N2153 1N2561	▼	S26 S35 S35	1N1348A 1N2153A 1N2571	D04 S35 S35	1N1348B 1N2497 1N2572	▼	D04 S35	IN1616A IN2557		
1N1617	A52	12	1N1085 1N1538 1N2536	▼	F17 D04 S35	1N1086 1N1582 1N2537	F17 D04 S35	1N1124 1N1583	▼	D04 D04 D04	IN1218 1N1587			
1N1620	A52	12	1N1118 1N1234 320M	▼	D04 S25	1N1223 1N1542	D01 D04	1N1224 1N1566A 307H	▼	D01 C14 D01	IN1233 1N1911 308M			
1N1621	S43	12	1N249 1N1201 10J2 AG1012	▼	D05 S27 S43 D04	1N250 1N1202 TR151	D05 S27	1N1200 1N1202A	▼	S27 D04	USAF1N1200 1N1304 AM1010			
1N1624	S43	12	1N1204 1N1206 1N2258	▼	S27 S27 D04	USAF1N1204 USAF1N1206 1N2258A 2059880	▼♦ S27 D04 S28	1N1205 1N1206A 1N2259 2015993	▼	S27 D04 S35 S26	USAF1N1205 1N1206B 1N2259A			
1N1661	S14d	12	1N1272 1N1282 1N1295 329B	▼	S14c S14g S8e	1N1273 1N1283 1N1662	S14c S14g S14d	1N1274 1N1292 1N3164	▼	S14c S8e S14e	IN1275 1N1293 1N3164			
1N1662	S14d	12	1N1273 1N1284 1N1295	▼	S14c S14g S8e	1N1274 1N1285 1N1663	S14c S14g S14d	1N1275 1N1293 1N3164	▼	S14c S8e S14e	IN1283 1N1294			
1N1692	DO3	12	1N537 1N540 1N1693	▼	DO3 DO1 DO3	1N538 1N1095 1N1694	DO1 D03 D03	JAN1N538 1N1096 1N1695	▼♦	DO1 D03 D03	IN539 1N1487			
1N1693	DO3	12	1N442B 1N539 1N1490 1N2611	▼	DO3 DO3 A31a	1N442B 1N540 1N1694 1N2612	DO3 D01 D03 A31a	1N538 1N1488 1N1695	▼	DO1 D03 D03	JAN1N538 1N1489 1N2069			
1N1694	DO3	12	1N442B 1N540 1N1695	▼	DO3 DO1 DO3	1N442B 1N1096 1N2070	DO3 D03 A3c	1N445B 1N1489 1N2612	▼	DO3 D03 A31a	IN539 1N1490 1N2862			
1N1695	DO3	12	1N443B 1N1490 1N2862	▼	DO3	1N445B 1N1492	DO3 D03	1N540 1N2070 D617834-10	▼	DO1 A3c	IN1096 1N2071			
1N1705	A53	12	1N256 1N560 1N861	▼	D04 D03 A21	1N333 1N684 1N1706	D04 A21 A53	1N342 1N685 USA1N3190	▼	D04 A1 A31a	IN363A 1N687 461049-6			

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♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

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IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N1731		12	1N1732 1N2359 1N2886 720680-9	A48d DO1 A48d A1021105-2	USA1N1731 1N2361 1N2887 #	A48a DO1 A48d #	1N2328 1N2508 1N2890		1N2358 1N2781 103841A		DO1 A40 8PIN
USA1N1731	♦ A48a	12	1N1731 1N2359 1N2886 720680-9	DO1 A48d	1N2361 1N2361 1N2887	A48d DO1	1N2328 1N2508 1N2890		1N2358 1N2781 103841A		DO1 A40 8PIN
1N1732	A48d	12	1N2328 1N2892 576R068H03		1N2361 1N2893 D617834-22	DO1	1N2890 1N2894 720680-9		1N2891 1N2895 A1021105-3		
USA1N1733	♦ A48d	12	1N1733 1N2910 720680-5	A48d	1N2382 1N2911	A48c A48k	1N2900 1N3764		1N2901 576R068H02		A48k A48d
1N1734	A48e	12	USA1N1734 1N2922 CEC1734	A48e A48g	1N2383 1N2923 1054499	A48g 4pin	1N2920 CER77		1N2921 576R068H01		
USA1N1734	♦ A48e	12	1N1734 1N2922	A48e	1N2383 1N2923	A48g	1N2920 CER77		1N2921 CEC1734		A48g
1N1736A	A28	13	1N964B 1N2046B	DO7	USN1N964B USN1N2811B	DO7 C5a	1N1354A CO-ZA12-3		1N1736 SV4012A		A28 A46
1N1737	A29	13	1N1737A SV1024 AV8019	A29 S11	1N2048B SV2024 720670-65	DO4 C12	MZ19BBA SV2093		PR524 AV4019		S4b S10
1N1737A	A29	13	1N1737 SV1024 AV8019	A29 S11	1N2048B SV2024 720670-65	DO4 C12	MZ19BBA SV2093		PR524 AV4019		S4b S10
1N1738A	A29	13	1N1738 AV4024	A29 S10	LPZ25BBA AV8024	A31a	AV2024 925251-10		SV2105 925251-11		DO4 A6a
1N1739A	A30	13	1N1363A F1010 AV4032	DO4 A31 S10	1N1739 AV2031 AV8031	A30 A19 S11	1N2990B AV2032 AV8032		IN3032B AV4031		A31a S10
1N1741A	A30	13	1N1741 1N2993B	DO4	1N1828A E5T50A43	DO4 A78	IN2827B E5T50B43		C5a		
1N1742A	A30	13	1N1368A 1N2831B 10M50ZR5	DO4 C5a DO4	1N1742 USN1N2831B MZ50BBA	A30 C5a DO4	1N1830A C5a DO4		IN2830B 1N2997B		C5a DO4
1N1753		12	1N1698		1N1754		1N1756		PS2356		M22
1N1763	A53	12	1N540 1N1255 SR40 PT540	DO1 A53	1N553 1N1695 TK41 575R428H09	DO4 DO3 PS140 A47	1N1169 1N1764 1N2166A 575R428H10		A34b A53 A47 A47		A34b M21 A47
1N1766	A31	13	1N1485 SV2007		1N3828	A31a	I26.2T5		PR607		A6
1N1768A	A31	13	USN1N2805B 1N3112	C5a A6	1N2043C OAZ225		1N2971B S322-1167P4	#	DO4	1N3017B PR510	A31a S4b
1N1771	A31	13	1N1523 1N2164A 1N3020B	DO3 A31a	1N1523A 1N2166A PZT10A	DO3 A31a	1N1771A 1N2167A		A31	1N1876 1N3020A	A31a
1N1771A	A31	13	1N1351A 1N2498A S322-1167P7 720670-15	DO4 DO4 S11	1N1523A 1N3020B PR615	DO3 A31a A6	1N1604A PZT10A DXX766-1000-16	#	DO4 A31a DO4	1N1744 10M10ZR5 D615010-17	#
1N1773A	DO4	13	1N1353A 1N1605A LPZ12A 956442-501	DO4 DO4 A31a	1N1417 1N2046A PZP12A 1060472-2	DO4 A31a	1N1426 1N2500A S322-1167P9	#	DO4	1N1524A USN1N3021B D615010-7	DO3 A31a
1N1774	A31	13	1N3023A 615010-13	A31a	1N3023B	A31a	I213T5		DO3	322-1167-P10	A31
1N1774A	#		see 615010-13								
1N1775	A31	13	1M15Z10 1N1595 1N3024B	DO1 A31a	1N1427 1N1775A 1Z15A	A31 DO3	1N1525 1N1878 2157094-2		DO3 C12	1N1525A 1N3024A	DO3 A31a

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.		
1N1775A	A31	13	1N1355A 1N1595A LPZ15A 2157094-2	▼ ▼ ▼ ▼/C12	D04 D04 A31a S322-1167P11#	1N1427 1N1606A PR620	▼ ▼ ▼	D04	1N1418 1N3024B PR620	A31a A6	1N1525A 1Z15A DXX766-1000-18#	DO3 DO3
1N1777A	A19	13	1N1357A 1N1607A 322-1167-P13	▼ ▼ ▼/A31	D04 D04 PR623	1N1419 1N1819A 8950229-3	▼ ▼ ▼	D04 A6	1N1428 1N2982B A41	D04	1N1526A 1N3026B	DO3 A31a
1N1778A	A19	13	1N1358A 1N2818B 3Z20T5 925251-9	▼ ▼ ▼ ▼/D04	D04 C5a 10M20ZR5	1N1820A USA1N2984B 10M20ZR5	▼ ▼ ▼	D04	1N1876A 1N3027B S322-1167P14#	A31a	1N2048C 1Z20T5 615010-8	DO3 A31
1N1779A	A19	13	1N1359A 1N1608A USN1N2819B S322-1167P15#	▼ ▼ ▼ ▼/C5a	D04 D04 C5a PR644	1N1420 1N1821A USA1N2985B PR644	▼ ▼ ▼ ▼	D04 D04 A6	1N1429 1N1880A USN3028B	A31a	1N1527A 1N2049A PZT22A	DO3 A31a
1N1780A	S19	13	1N2820B S322-1167P16# AV4025	▼ ▼ ▼/S10	C5a PR646 925251-10	1N3029B SV2105 925251-11	▼ ▼ ▼/D04	A31a A6 A6a	LPZ25BBA SV2105 925251-11	A31a	50M25Z5 AV2025 1979827-4	T03 A19 S4c
1N1781	A31	13	1N1361A 1N1528A 1N3030A	▼ ▼ ▼/A31a	D04 D03 A31a	1N1421 1N1598 1N3030B	▼ ▼ ▼	D04 D04 D013	1N1430 1N1609 615002-22	A31	1N1528 1N1881 615002-29	DO3 A9
1N1781A	A31	13	1N1361A 1N1609A AV2027 2124398	▼ ▼ ▼/S28	D04 D04 A19 PR647	1N1421 1N2988B AV4027 8991179-15	▼ ▼ ▼ ▼	D04 D04 S10 D03	1N1430 1N3030B C6#2742-3 #	D013	1N1528A S322-1167P17# 2061905	DO3 S28
1N1782	A31	13	1C30Z 1N1824 1N3031A	▼ ▼ ▼/A31a	A21c S19a A31a	1N1362 1N1824C USN1N3031B	▼ ▼ ▼/A31a	D04 D04 A31a	1N1362A 1N1882A30V 625013-073	D04 A86	1N1782A 1N2387	A31
1N1782A	A31	13	1N1362A USN1N3032B 625013-73	▼ ▼ ▼/A31a	D04 A31a 3Z30A	1N1882A30V 3Z30A	▼ ▼	D04 D04	USN1N2823B S322-1167P18#	C5a	1N2989B 615003-6	DO4 S11
1N1783A	A19	13	1N1363A E5T50B33 AV2034 AV8034	▼ ▼ ▼ ▼/S11	D04 A78 A19 S11	1N1825A S322-1167P19# AV4032 AV4034	▼ ▼ ▼ ▼	D04 D04 S10	1N3032B F1010 AV4034	A31a A31 S10	E5T50A33 AV2032 AV8032	A78 A19 S11
1N1784A	A19	13	1N1364A 1N3033B AV8035	▼ ▼ ▼/S11	D04 A31a S11	1N1364A36V S322-1167P20#	▼ ▼	D04	1N1826A AV2035	D04 A19	1N2991B AV4035	DO4 S10
1N1785	A31	13	1N1365 1N2992A 10M39Z5	▼ ▼ ▼/D04	D04 D04 D04	1N1827 1N2992B 2166807	▼ ▼ ▼/S28	S19a D04 S28	1N1827C 1N3034A	A31a	1N1827A 1N3034B	DO4 A31a
1N1786	A31	13	1N1366 1N2993A 2016490-2	▼ ▼ ▼/A31	D04 D04 A31	1N1828 1N2993B	▼ ▼	D04	1N1828A 1N3035A	D04 A31	1N1828C 1N3035B	A31a
1N1787	A31	13	1N1367 1N1829C 1N2995A	▼ ▼ ▼/D04	D04 D04 A31a	1N1367A 1N1884 1N3036A	▼ ▼ ▼/A31a	D04 D04 A31a	1N1829 1N1884A 1N3036B	S19a A31a A31a	1N1829A 1N1900 615002-23	DO4 A31a
1N1788A	A19	13	1N1368A 1N2997B LPZ50BBA	▼ ▼ ▼/A31a	D04 D04 A31a	1N1742 1N3037B S322-1167P24#	▼ ▼ ▼/A31a	A30 A31a A31a	1N1742A E5T50A51 8950229-24	A30 A78 A41	1N1830A E5T50B51	DO4 A78
1N1789	A31	13	1N1369 1N1831C 1N2999B	▼ ▼ ▼/D04	D04 D04 D04	1N1369A 1N1885	▼ ▼	D04	1N1831 1N1901	S19a	1N1831A 1N2999A	DO4 DO4
1N1790	A31	13	1N1370 1N1832C 1N3039A	▼ ▼ ▼/A31a	D04 D04 A31a	1N1370A USN1N2833B 1N3039B	▼ ▼ ▼/A31a	D04 C5a A31a	1N1832 1N3000A 10M62Z5	S19a D04 D04	1N1832A 1N3000B	DO4 DO4
1N1790A	A31	13	1N1370A E5T50A62	▼ ▼/A78a	D04 D04 A78a	1N1832A E5T50B62 AV2061	▼ ▼ ▼/A78a	D04 D04 A19	1N300B 10M62Z5 AV4061	D04 D04 S10	1N3039B AV8061	A31a S11
1N1791	A31	13	1C68Z 1N1431 1N1886 1N3040B	▼ ▼ ▼ ▼/A31a	A21c A31a A31a A31a	1N1371 1N1791A 1N1902 1060472-1	▼ ▼ ▼ ▼/A31	D04 A31 A31 A31	1N1371A 1N1833 1N3001A	D04 D04 D04	1N1422 1N1833C 1N3040A	A31a
1N1791A	A31	13	1N1371A 1N3001A 1060472-1	▼ ▼ ▼/A31	D04 D04 D04	1N1422 1N3040B	▼ ▼	A31a	1N1431 EST50A68	A78a	1N1833A EST50B68	A78a
1N1792	A31	13	1N1372 1N3002A S1163	▼ ▼ ▼/D04	D04 D04 D04	1N1834 1N3002B	▼ ▼	S19a D04	1N1834A 1N3041A	D04 A31a	1N1834C 1N3041B	A31a
1N1793	A31	13	1N1373 1N3003B 615003-8	▼ ▼ ▼/S28	D04 D04 D04	1N1373A 1N3042A 615003-308	▼ ▼ ▼/S28	D04 A31a S28	1N1835 1N3042B	S19a A31a	1N1835A 10M82ZR5	DO4 DO4

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1N1795	A31	13	1N1375 1N1888 1N3044A	▼ ▼ A31a	DO4 1N1375A 1N1904 C682742-2	▼ #	DO4 1N1423 1N2008A	▼ DO4	1N1432 1N3005B	▼ DO4		
1N1796	A31	13	1C110Z 1N2009C		A21c 1N3007A	S11 DO4	1N2009 1N3007B	▼ DO4	1N2009A 1N3045A	▼ A31a		
1N1797	DO7	13	1M120Z5 1N2010C 1N3046B	▼ ▼ A31a	DO1 1M120Z10 1N3008A 1N3098	DO1 DO4	1N1810 1N3008B 1N3102	S11 DO4	1N2010 1N3046A	S19a A31a		
1N1798	A31	13	1C130Z 1N2011C		A21c 1N1811 1N3009A	S11 DO4	1N2011 1N3047A	S19a A31a	1N2011A			
1N1801	A31	13	1C180Z 1N3100 AV4170		A21c USN1N991B E5T50A175 S10	DO7 A78b	1N3050A E5T5B175	A31a A78b	1N3050B AV2170	A31a A19		
1N1803	S11	13	1N1601 10EZ5.6T10 1979827-2	▼ ▼ ▼	S22 S4c A8954884-26	S19 #	1N1601A ZK5.6 A8954884-26	DO4 S19	1N2042 DXX766-1001-1V	SV905		
1N1804A	S11	13	1N1483 202-447 666137-234	▼ ▼ ▼	S19a S4c	PR507	1N2042B	S4b	1N2043A DXX766-1001-10	10Z6.2T5 SV2007		
1N1806A	S4a	13	1N2043C 10Z7.5T5			DO4 S4b	1N2971B PR510	USN1N2805B	C5a	MZ7.5BCA	DO4	
1N1807	DO4	13	1N1416 1N2044A PZT8.2 V908382	▼ ▼ ▼ #		DO4	1N1603 1N2044B ZK8.2 A8954884-30	DO4 S19	1N1603A 1N2972A 10EZ8.2T10	DO4 DO4 S22	1N1891 1N2972B SV2012	DO4
1N1807A	DO4	13	1N1356A DXX766-1001-11 AV8016	▼ ▼ ▼	DO4 AV2016	DO4 A19	1N1818A AV2016	DO4 A19	1N2047B SV2021	▼	1N2972B AV4016	DO4
1N1809A	S4a	13	1N2009A			DO4	1N3007B	AV8110	S11			
1N1810A	S4a	13	1M120Z5 E5T50B120	▼ ▼	DO1 A78a	DO4 A19	1N2010A AV2120	1N3008B AV4120	DO4 S10	E5T50A120 AV8120	A78a	
1N1811	S11	13	1N2011 USN1N2842B	▼ ▼	S19a C5a	DO4	1N2011A IN3009A	1N2011C IN3009B	DO4	1N2842A PZ135A	C5a ▼	
1N1812A	S4a	13	1N2012A 10M150Z5	▼ ▼	DO4	DO4	1N2843B	C5a	USN1N2843B	C5a	1N3011B	DO4
1N1813A	S4a	13	USN1N2844B	▼	C5a	DO4	1N3012B	DO4	USA1N3012B	DO4	AV8155	S11
1N1814A	S4a	13	USN1N2845B	▼	C5a	DO4	1N3014B	DO4	AV8170	S11	AV8175	S11
1N1815	S11	13	1N2846A 1N3015B AV8200	▼ ▼ ▼	C5a DO4 S11	DO4	1N2846B 10M200ZR5	C5a DO4	USN1N2846B 50M200ZR10	C5a TO3	1N3015A AV8195	DO4 S11
1N1816	S19a	13	1N1354 1N2046B 2157086-5	▼ ▼ ▼	DO4 DO4	DO4	1N1354A IN2977A	DO4 DO4	1N1816A IN2977B	DO4	1N1816C PR413	S21c
1N1816A		13	1N1354A 666137-235	▼ #	DO4	DO4	USN1N2811B 2157086-5	C5a DO4	1N2977B	DO4	PR518	S4b
1N1816C		13	1N1354 1N2046B 2157086-5	▼ ▼	DO4	DO4	1N1354A IN2977A	DO4 DO4	1N1816 IN2977B	S19a DO4	1N1816A PR413	S21c
1N1816RA	S19a	13	see 1N1816A for replacement types. Observe proper polarity.									
Reverse Polarity Type												
1N1817A	DO4	13	1N1355A USN1N2813B SV2020	▼ ▼ ▼	DO4 C5a SV2149	DO4 S4a	1N1418 IN2979B SV2149	DO4 2031310	1N1606A 50M15Z5 2031310	DO4 TO3 S11a	1N2047A PR520	S4b
1N1818A	DO4	13	1N1356A 1N2980B	▼ ▼	DO4 DO4	DO4	1N2047B 10Z16T5	DO4	1N2814B	C5a S4b	USN1N2814B SV2021	C5a
1N1819	S19a	13	1N1357 1N1607A 1N2048A	▼ ▼ ▼	DO4 DO4 DO4	DO4	1N1357A 1N1819C 1N2982A	DO4	1N1419 1N1819A 1N2982B	DO4 DO4 DO4	1N1607 1N1895 SV2023	DO4
1N1819A	DO4	13	1N1607A USN1N2816B	▼ ▼	DO4 C5a	DO4	1N1419 IN2982B	DO4	1N1607A	DO4 S4b	1N2048A SV2023	
1N1820A	DO4	13	1N1358A 1M202Z5	▼ ▼	DO4 DO4	DO4	1N2048C 50M20Z5	DO4 TO3	1N2818B SV2025	C5a	USA1N2984B 925251-9	DO4
1N1821A	DO4	13	1N1359A USN1N2819B	▼ ▼	DO4 C5a	DO4	1N1420 USA1N2985B	DO4	1N1608A 50M22Z5	DO4 TO3	1N2049A PR544	S4b
1N1821RA	S19a	13	see 1N1821A for replacement types. Observe proper polarity.									
Reverse Polarity Type												
1N1822A	DO4	13	1N1360A 10Z24T5 8950230-32	▼ ▼ ▼	DO4 S28	DO4 S4b	1N2049B PR545	USN1N2820B SV2045	C5a	1N2986B SV2160	DO4 DO4	

CAUTION: 1) REPLACEMENT TYPES FOR EMERGENCY USE ONLY.

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3) REPLACEMENT TYPE MAY NECESSITATE REALIGNMENT OF CIRCUIT.

4) SUBSTITUTE ORIGINAL TYPE NUMBER FOR EMERGENCY REPLACEMENT AS SOON AS POSSIBLE.

1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
USN1N1822A	DO4	13	1N1360A 1N2986B SV2160	▼ ▼ ▼	DO4 DO4 8950230-32	1N1822A 10Z24T5 S28	▼ ▼ ▼	DO4 PR546 S4b	1N2049B 1N1824A 1N2989B	USN1N2820B SV2045	♦ ▼ C5a
1N1824	S19a	13	1N1362 1N2823A	▼ ▼	DO4 C5a	1N1362A 1N2989A	▼ ▼	DO4 DO4	1N1824C 1N2989B	615003-6	▼ S11
1N1824A		13	1N1362A 6150036	▼ ▼	DO4 S11	1N2823B	▼	C5a	USN1N2823B	C5a	1N2989B
1N1824RA Reverse Polarity Type		13	1N1362RA	▼	DO4	USA1N2989RB	▼	DO1	Observe proper polarity.		
also see 1N1824A for replacement types.											
1N1824C		13	1N1362 1N2823A	▼ ▼	DO4 C5a	1N1362A 1N2989A	▼ ▼	DO4 DO4	1N1824 1N2989B	S19a DO4	1N1824A 615003-6
1N1825A	DO4	13	1N2824B 50M33Z5	▼ ▼	C5a T03	USN1N2824B AV8032	♦ S11	C5a AV8033	1N2990B S11	DO4 S11	USA1N2990B AV8034
1N1827A	DO4	13	1N1365A 10M39Z5	▼ ▼	DO4 DO4	USN1N2826B 50M39Z5	♦ ▼	C5a T03	1N2926B AV8038	C5a S11	1N2992B D615003-326 #
1N1828A	DO4	13	1N2827B AV8042	▼ ▼	DO4 S11	USN1N2827B AV8043	♦ S11	C5a	1N2993B	DO4	AV4044
1N1829A		13	1N1367A AV8044		DO4 S11	1N28229B AV8045	▼ ▼	C5a S11	USN1N2829B AV8046	C5a S11	1N2995B
1N1830	S19a	13	1N1368 1N2830B 1N2997B		DO4 C5a DO4	1N1368A 1N2831A 10M50ZR5	▼ ▼ ▼	DO4 C5a DO4	1N1830A 1N2831B USA1N2997B	DO4 C5a DO4	1N1830C 1N2997A
1N1830A	DO4	13	1N1368A 1N2961 MZ50BBA	▼ ▼ ▼	DO4 DO4	1N2830B 1N2997B	▼ ▼	C5a DO4	1N2831B USA1N2997B	C5a DO4	USN1N2831B 10M50ZR5
1N1831	S19a	13	1N1369 1N2832A 1N2999B	▼ ▼ ▼	DO4 C5a DO4	1N1369A 1N2832B USA1N2999B	▼ ▼ ▼	DO4 C5a DO4	1N1831A C5a 50M56ZR5	DO4 C5a TO3	1N1831C 1N2999A
1N1831A	DO4	13	1N1369A USN1N2999B	▼ ▼	DO4 DO4	1N2832B 50M56ZR5	▼ ▼	C5a T03	USN1N2832B	C5a	1N2999B
1N1831RA Reverse Polarity Type	DO4	13	see 1N1831A for replacement types. Observe proper polarity.								
1N1832A	DO4	13	1N1370A 10M62Z5	▼ ▼	DO4 DO4	USN1N2833B AV8060	♦ S11	C5a AV8061	1N3000B S11	DO4 S11	
1N1833A		13	1N1371A 1N3001P5	▼ #	DO4 AV8066	1N1422	▼	USN1N2834B	♦	C5a	1N3001B
1N1834A	DO4	13	1N1372A		DO4	USN1N2835B	▼	C5a	1N3002B	DO4	2X2-50M75Z5P▼
1N1835A	DO4	13	1N1373A AV8080		DO4 S11	USN1N2836B AV8081	♦ S11	C5a 615003-8	1N3003B ▼	DO4 S28	10M82ZR5 615003-308
1N1836	S19a	13	1N1374 SV4082	▼ ▼	DO4 A45	1N1836C AV8084	▼ S11	1N2837A	C5a	DO4	1N3004A
1N1836A	DO4	13	1N1374A		DO4	USN1N2837B	♦	C5a	1N3004B	DO4	AV8089
1N1838	F15	15	No replacement types available.								
1N1847	C1b	11	1N464 SG133 620098	▼ ▼ ▼	A21 A38a C1	1N464M FD328 925008-4	A2a A22 A23	1N1639 HD6014	▼	2JC3636H02 A10859	A1 A21
1N1876		13	1N1523 1N2164A 1N3020B	▼ ▼ ▼	DO3 A31a	1N1523A 1N2166A PZT10A	▼ ▼ ▼	DO3 A31a	1N1771 1N2167A	A31	1N1771A 1N3020A
1N1876A		13	1N1358A USA1N2984B 10M20ZR5	▼ ▼ ▼	DO4 DO4 DO4	1N1820A 1N3020B D615002-12	▼ ▼ #	DO4 A31a 615010-8	1N2048C 1Z20T5 ▼	DO3 A31 925251-9	1N2818B 3Z20T5 ▼
1N1878A	A86	13	1N1355A 1N2047A PR520	▼ ▼ ▼	DO4 S4b	1N1418 USN1N2813B SV2020	▼ ▼ ▼	C5a	1N1606A 1N3024B SV2149	DO4 A31a S4a	1N1817A 50M15Z5 2031310
1N1879A	A86	13	1N1357A 1N2048A PR523	▼ ▼ ▼	DO4 S4b	1N1419 USN1N2816B SV2023	▼ ▼ ▼	C5a	1N1607A 1N2982B	DO4 DO4	1N1819A 1N3026B
1N1880	A86	13	1N1429 1N1779 PZT22A	▼ ▼ ▼	A31 A31a	1N1527 1N1880A 615002-15	▼ ▼ ▼	DO3 A31a	1N1527A 1N3028A	DO3 A31a	1N1597 USN1N3028B
1N1880A	A86	13	1N1359A 1N1608A USA1N2985B	▼ ▼ ▼	DO4 DO4 DO4	1N1420 1N1821A USN1N3028B	▼ ▼ ▼	DO4 A31a PZT22A	1N1429 1N2049A ▼	A31a	1N1527A USN1N2819B PR644
1N1881	A86	13	1N1361A 1N1598 1N3030A	▼ ▼ ▼	DO4 A31a	1N1421 1N1528A 1N3030B	▼ ▼ ▼	DO3 DO13	1N1430 1N1609 615002-22	DO4 A31	1N1528 1N1781 615002-29
1N1882	A86	13	1N1363 1N1825A 1N3032B	▼ ▼ ▼	DO4 DO4 A31a	1N1363A 1N1825C F1010	▼ ▼ ▼	DO4 A31 615002-30	1N1783 1N2990B ▼	A31 DO4 A9	1N1825 1N3032A

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▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N1882A	A86	13	1N1363A 1N2990B AV8034	▼ D04 S11	1N1825A 50M33Z5	▼ D04 TO3	1N2824B AV8032	▼ C5a S11	USN1N2824B AV8033	♦ C5a S11	
1N1882A30V	A86	13	1N1362A 3Z30A	▼ D04	1N1782A 615003-6	▼ A31	USN1N2823B 625013-073	♦ C5a A86	1N2989B	▼ D04	
1N1884	A86	13	1N1367 1N1829A 1N3036B	▼ D04 A31a	1N1367A 1N1829C 615002-23	▼ D04 A9	1N1787 1N1884A	▼ A31	1N1829 1N2995A	S19a D04	
1N1884A	A86	13	1N1367A E5T50A47	▼ D04 A78	1N1829A E5T50B47	▼ A78	1N2995B	D04	1N3036B	▼ A31a	
1N1885	A86	13	1N1369 1N1831C 1N2999B	D04	1N1369A 1N1885 D615002-24	▼ D04 A9	1N1831 1N1901	▼ S19a	1N1831A 1N2999A	▼ D04 D04	
1N1886	A86	13	1N1371 1N1791 1N3040B	D04 A31 A31a	1N1371A 1N1791A 1060472-1	▼ D04 A1 A31	1N1422 1N1833	▼ S19a	1N1431 1N1902	▼ S19a	
1N1886A #			see 1050999								
1N1888	A86	13	1N1375 1N1795 1N3044A	▼ D04 A31 A31a	1N1375A 1N1904 USN1N3044B	▼ D04 A31a	1N1423 1N2008A	▼ D04	1N1432 1N3005B	▼ D04	
1N1888B	A86	13	AV2100 AV8100	A19 S11	AV4100 615011-3	S10	SV4100	A45	SV4100A	A45	
1N1895		13	1N1357 1N1607A 1N2048A	▼ D04 D04	1N1357A 1N1819 1N2982A	▼ D04 A1 D04	1N1419 1N1819A 1N2982B	▼ D04 D04	1N1607 1N1819C SV2023	▼ D04	
1N1900AR Reverse Polarity Type		13	Observe proper polarity versions USN1N2829B	▼ C5a	polarity when using 1N1367A 1N2995B	▼ D04 D04	following replacements or 1N1829A	▼ D04	use reverse- 1N2829B	▼ C5a	
1N1902		13	1N1371 1N1833A 1N3001B	D04 D04	1N1371A 1N1833C	▼ D04	1N1422 USN1N2834B	▼ C5a	1N1833 1N3001A	S19a D04	
1N1902AR Reverse Polarity Type		13	Observe proper polarity versions USN1N2834B	▼ C5a	polarity when using 1N1371A 1N3001B	▼ D04 D04	following replacements or 1N1422 1N2008A	▼ S11	use reverse- 1N1833A		
1N1907	A86	12	1N1052 1N2217 MR5	A73a S35 ▼ D04	1N1217A USN1N3189 SM224	▼ D01 A31a D04	1N1581	▼ D04	1N2216	D04	
1N1908	A86	12	1N1115 1N1911 USN1N3189	D04 A86 A31a	1N1124 1N2111 1N3611	▼ D04 A60	1N1220B 1N2536 HR10745	▼ A34a S36 D04	1N1910 1N2537 1N1116	A86 S35 D04	
1N1910	A86	12	1N1117 1N1233 USN1N3190 426-10001	D04 S25 A31a	1N1118 1N1542	▼ D04	1N1223 1N1566A	▼ D01 C14	1N1224 1N1911 307H	DO1 A86 D01	
1N1911	A86	12	1N1118 1N1234 320M	D04 S25	1N1223 1N1542 426-10001	▼ D04	1N1224 1N1566A 307H	▼ D01 C14 D01	1N1233 USN1N3190 308M	S25 A31a S25	
1N1919	S82	12	1N1092 1N2513 1N2681 2030957	F25 D04 S11a	USN1N1126AM 1N2514 1N2744	▼ D04	1N1126A	▼ D04	1N1615 1N2677 720660-14	▼ S35 S35 S35	
1N1922	S82	12	1N1126A 1N1348B 1N2237A	S35	1N1347A 1N1616A 1N2516	▼ D04 D04 D04	1N1347B 1N2153 1N2522	▼ S35 S35 S35	1N1348A 1N2237 6F50	D04 S35 D04	
1N1927		13	1N436 1N1518A 1N1927A 7901722-001	▼ D03 A1 C3	1N748A 1N1588 TI650C1	▼ A46	1N1507A 1N1588A TI650C3	▼ C3	1N1518 1N1599A 925016-5	▼ D03 A1	
1N1927A		13	1N748A PS1423	▼ A1 A48d	USN1N748AM 720670-77	▼ A1 N12d	1N749A 1979107-2	▼ A1 A1	FZ3.9T5	A21c	
1N1928A		13	USN1N750A SV191 L221821-4	▼ A1 A1 A8a	1N1928A PR504 2019600-1	▼ S4b A1	1N2041A SV1004	▼ A1	SV121 HZ8122	DO7	
1N1929		13	1N708 1N1509A SV1006	A21	USN1N752A 1N1929 PS6469A	▼ A1	1N762 SV6 2031193	▼ A1	1N762A SV123 8991178-6	DO7 A1 A23	
1N1931		13	1N664 1N959B SV1011	D07	1N712 1N3516 L221821-9	▼ D07 A8a	1N756A SV128 8991178-10	▼ A46 D07 A23	USN1N756AM 575R786H05	♦ A1 A23	

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♦ — PREFERRED TYPE — MIL-STO 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

NAVWEPS 16-1-530

1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N1937		13	1N669 ▼ 1N1517A ▼ 1N1881 ▼	C1	1N724 ▼ 1N1528 ▼ 1N1937A ▼	D07 DO3	1N971A 1N1781 615002-29 □	D07 D04 A9	1N1517 1N1781A ▼ A31		
1N1937A		13	1JC7877H15 ▼ 1N1430 ▼ GLZ27BCA	C1 DO7	1N669 ▼ 1N1528A ▼ 575R743H13 ▼	DO3 A27	1N971B 1N1781A ▼ 2243275 □	D07 A31 D07	USN1N971B ▲ 1N3528 8991178-22 ▼	D07 D07 A23	
1N1964A30V		13	1N725A ▼ 1N1421 ▼ 3Z30A ▼	DO7 DO4	USN1N972B ▼ 1N1782A ▼ 575R786H06 ▼	DO7 A23	1N972B 1N1882A30V ▼ 625013-073 □	D07 A86	1N1361A ▼ 1N3529 ▼	D04 D07	
1N1984		13	1N470 ▼ 1N1510 ▼ TI653C ▼ 2031177 □	C1 C3 C3 A1	1N475 ▼ 1N1930 TI653C4 □ 8706018-8 □	C1 C3 C3	1N707 ▼ 1N1957 653C4 □	C1	1N763 ▼ AZ2 911D12-3 ▼	D07 C1 A1	
1N1985		13	1N225A ▼ 1N3516 ▼ SV3334 ▼	C1 DO7 A45	1N1313A7.8V ▼ G7A □ L2088293-8 ▼	C1 A1 A1	1N1313A8V ▼ TI653C8 ▼ 8954881-9 □	C1 N44	1N1958 TI653C9 □	C3	
1N1987A		13	1N716A ▼ USN1N963B ▼ SV135 ▼	DO7 DO7 DO7	1N759A ▼ 1N1513A ▼ 575R786H02 ▼	A46 A23	USN1N759A ▼ 1N3520 615010-10 □	A1 D07 A1	1N963B Z12 8954881-13 ▼	D07 C18a N44	
1N2002		13	1N1948 ▼ AZ20		1N1975 617914 ▼	N53	1N3101	M51	1N3463 826217 ▼	S36 A22	
1N2012	S19a	13	1N1812 ▼ USN1N2843B ▲ 10M150Z5 ▼	S11 C5a DO4	1N2012A ▼ 1N3011A	DO4	1N2012C 1N3011B ▼	DO4	1N2843B 1N3103	C5a	
1N2015		12	1N333 ▼ 1N1101 ▼ TJ25A ▼	DO4	1N335 ▼ 1N3074 SA301 □	DO4 DO12 A62	1N342 ▼ TK21 ▼ 180653 □	D04 A1	1N678 ▼ TM23 ▼ 617834-12 ▼	A1 A38	
1N2023		12	1N1203 ▼ 1N1206 ▼ TR301 ▼	S27 S27	USAF1N1203 ▼ 1N1414	DO4	JN1204 ▼ 1N2025 ▼ 2015993 □	S27 S26	1N1205 ▼ 1N2590 ▼ 2059880 ▼	S27 S35 S28	
1N2025		12	1N1204 ▼ 1N1206 ▼ 1N2258 ▼ TR401 # 2059880 ▼	S27 S27 DO4 S28	USAF1N1204 ▼ USAF1N1206 ▲ 1N2258A ▼ 2072019 □	DO4 DO4 DO4 S29	1N1205 ▼ 1N1206A 1N2259 1024075A #	S27 DO4 S35	USAF1N1205 ▼ 1N1206B 1N2259A 2015993 □	S27 S35 S26	
1N2026	DO4	12	USN1N1124A ▼ NA1 ▼	DO4 S4b	1N1217A ▼ TM1 ▼ RE8 ▼	DO1 S19a	1N1227A TM4 ▼ 4740CR ▼	S25 DO4 S4b	1N1907 ▼	A86	
1N2032	DO12	13	1N1484 ▼ 1N1589A ▼ 202-376 □ A1036194-1 #	S19a	1N1508 ▼ 1Z4.7A ▼ 766-1001-3 □	DO3 S19	1N1508A ▼ R4.7 ▼ SV2005 ▼		1N1519A ▼ ZB4.7 ▼ L221821-1 □	A33 S8a	
1N2032-1 #			see L221821-4								
1N2032-2 #			see L221821-1								
1N2033	DO12	13	1N1509A ▼ 1N1803 ▼ SV905 ▼ 2041596 ▼	S11 A33	1N1590A ▼ 1N2042 ▼ SV1006 ▼ L221821-2 #	DO4	1N1601 ▼ 1N3827 ▼ 1979827-2 ▼ 1036794-002 □	A31a S4c A70	1N1765 ▼ DXX766-1001-1 □ 1979832-3 □	A31 S19 A27	
1N2033-2 #			see L221821-6								
1N2034	DO12	13	1N1521 ▼ 1N2043A ▼ PR706 L221821-3 #	DO3 S4b	1N1591 ▼ 1N3017B ▼ PR806 1979827-1 ▼	A31a A6 S4c	1N1602 ▼ PR509 SV2009 ▼ A1036794-3 #	S4b	1N2043 ▼ PR609 615010-28 □	DO4 A6 A1	
1N2035-1 #			see L221821-9								
1N2036	DO12	13	1N1512 ▼ 1N1743 ▼ SV1015 ▼		1N1512A ▼ USN1N3021B ▼ SV2014 ▼	A31a	1N1351A ▼ 10M10ZR5 ▼ A1036794-5 #	DO4 DO4 #	1N1604A ▼ DXX766-1001-4 □ 8950133-1 ▼	DO4 S19 A27	
1N2037	DO12	13	1N1426 ▼ 1N1513 ▼ 1N3023B ▼		1N1513A ▼ 1N1594 ▼ SV812 #		1N1524 ▼ 1N1773 ▼ SV1017 ▼	D03 A31	1N1524A ▼ 1N3022A ▼ A1036794-006 □	DO3 A31a A70	
1N2039	DO12	13	1N2048 ▼ PR524 720670-65 □	S4b C12	1N2048B ▼ SV918 ▼ A1036794-7 #	S4c	1N3027B ▼ SV1024 ▼ 8950184-1 □	A31a S19a	MZ19BBA SV2024 ▼	DO4	
1N2040	DO12	13	1N1359A ▼ 1N1597A ▼ PZT22A ▼ 720670-28 □	DO4 A31a A19	1N1429 ▼ 1N1880A ▼ DX766-1001-8 □ A1036794-8 #	DO4 S19 S28	1N1516A ▼ 1N2049 ▼ SV1033 ▼	DO4	1N1527A ▼ 1N3029B ▼ L221821-10 #	DO3 A31a	
1N2042	DO4	13	1N1601 ▼ ZK5.6 1979827-2 ▼	S19 S4c	1N1601A ▼ 10EZ5.6T10	S22	1N1803 ▼ DX766-1001-1 □	S11 S19	1N2042A SV905 ▼		

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1N2043	DO4	13	1N1602 PR509	S4b	1N2043A PR706	S4b	USA1N2971RB SV2009	DO4	ZK6.8 1979827-1	S19 S4c	
1N2044	DO4	13	1N1416 1N2044B PR512 D615003-2	S4b	1N1603A 1N2972B PR708 D615003-202	DO4 DO4 S4b	1N1808 1N2973B SV906 D615003-302	DO4 DO4	1N2044A PR511 SV2012 2019269-4	S4b	
1N2045	DO4	13	1N1351A 1N1892 PR514	S4b	1N1604 1N2044D DXX766-1001-4	DO4	1N1604A 1N2498A SV2014	DO4 DO4	1N1743 10M10ZR5	DO4	
1N2046	DO4	13	1N1353A 1N2500A 956442-501	DO4	1N1417 1N2976B	DO4	1N1605A SV912	DO4	1N2046A SV2017		
1N2047	DO4	13	1N1355A 1N2047A PR520 D615003-203	S4b	1N1418 1N2979B SV915 D615003-303	DO4	1N1606A 1N2980B SV2020 2031310	DO4 S28 S11a	1N1817A S322MS135G001# D615003-3	DO4	
1N2057	S8b	12	1N1334 1N1674 1N3165	S14f S14e	1N1379 1N2057 1N3166	S14h S8b S14e	1N1380 1N2058 1N3736	S14h S8b D09	1N1399 1N2059 1N3737	S14b S8b D09	
1N2059	S8b	12	1N1334 1N1401 1N3166	S14b S14e	1N1335 1N1674 1N3167	S14f S14e	1N1380 1N1675 1N3168	S14h S14f S14e	1N1381 1N2060 1N3737	S14a S8b D09	
1N2069	A3c	12	1N442B 1N540 1N2070 SIE62012	DO3 DO1 A3c	1N443B 1N1488 1N2611 2028462	DO3 DO3 A31a A3c	1N538 1N1489 1N2612	DO1 DO3 A31a	1N539 1N1490 USN1N3189	DO3 A31a	
1N2070	A3c	12	1N443B 1N612A 1N1492	DO3	1N444B 1N1095 USA1N3190	DO3 DO3 A31a	1N540 1N1096 1N3194	DO1 DO3 A50	1N612 1N1490 1N3278	DO4 A38f	
1N2071	A3c	12	1N445B 1N3191 152-048	DO3	1N614 1N3280 2094056	DO4 A38f A84	1N1096 1N3476	DO3 A66	1N1492 152-012	DO3 A3c	
1N2088		12	1N444B 1N1096 152-048	DO3	1N445B 1N1492 816B520-6	DO3 DO3 A38f	1N614 1N2071 2262264-5	DO4 A3c A31a	1N614A SD95A	DO4 DO3	
1N2095	M21	12	1N1697 1N3256 575R428H09	DO3 A50a	1N2773 1N3751 575R428H10	A40 A38f A47	1N2774 RE10 CEC8050	A40a A31 A47	1N3196 PS160	A50 A47	
1N2117	DO3	12	1N2222 1N3280 DI650	DO4 A38f A38b	1N2222A 1N3476 SM180	DO4 A60 A84	1N2616 1N3636	A31a A111	1N3242 75E8	A21b A3c	
1N2129A	S21	12	1N249B USAF1N1398 1N2130	DO5 S14b A21a	1N1397 1N1399 1N2130A	S14b S14b A21	USAFA1N1397 USAFA1N1399 A21 1N2437	S14b S14b D08	1N1398 1N2129 1N2438	S14b S21a D08	
1N2133A	S21	12	1N2133 1N2137A 1N2443	S21a	1N2135 1N2138 1N2444	S21a S21a D08	1N2135A 1N2138A 1N2445	S21a S21a D08	1N2137 1N2441 1N2789	S21a D08 D05	
1N2135A	S21	12	1N2135 1N2138A 1N2789	S21a S21 D05	1N2137 1N2443	S21a D08	1N2137A 1N2444	S21 D08	1N2138 1N2445	S21a D08	
1N2147	S35	12	1N1341B 1N2148 MR5N	S35 S4c	1N1342B 1N2148A BY402	S35 S35	1N1612A 1N2491	DO4 DO4	1N1613A 1N2492	DO4 DO4	
1N2154	DO5	12	1N1183 1N2155	S29 DO5	1N1184 CH104AZ 1111431	S29 D05 S29	1N1185 302B	S29 S29	1N1192A B305	DO5 M38	
1N2155	DO5	12	1N1184 1N2460 B310	S29 D05 M38	1N1185 1N3660	S29 M38a	USAFA1N1185 CH104AZ WN5051C	S29 D05 S29	USAFA1N1186 1111431	S29 S29 S29	
1N2156	DO5	12	USAF1N1188 1N2462 1N3663	S29 D05 M38a	1N2158 1N2784 426-1000	D05 DO4 A1	1N2159 1N2785 HD6028	D05 DO4 A1	1N2461 1N3661 2072019	DO5 M38a S29	
1N2156R Reverse Polarity Type	DO5	12	see 1N2156 for replacement types. Observe proper polarity.								
1N2158	DO5	12	1N1190 1N3663 2072019	S29 M38a	1N2159 1N3664	D05 M38a	1N2160 1N3665	D05 M38a	1N2785 426-10000	DO4	
1N2163		13	1N2164 1N2168		1N2165 1N2169		1N2166 1N2170		1N2167 1N2171		

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N2164		13	1N2163 1N2167 1N2171		1N2164A 1N2168 A8991170-2 #		1N2165 1N2169		1N2166 1N2170		
1N2164A		13	1N2163A 1N2169A		1N2166A 1N2170A		1N2167A 1N2171A		1N2168A 8991170-6		
1N2166		13	1N2163 1N2167 1N2170		1N2164 1N2167A 1N2171		1N2165 1N2168 8991170-6	A31a	1N2166A 1N2169		
1N2166A		13	1N2163A 1N2169A		1N2164A 1N2170A		1N2167A 1N2171A		1N2168A 8991170-6		
1N2167A		13	1N2163A 1N2169A		1N2164A 1N2170A		1N2166A 1N2171A		1N2168A 8991170-6		
1N2171B		13	1N2163A 1N2167A 1N2171A		1N2164A 1N2168A		1N2165A 1N2169A		1N2166A 1N2170A		
1N2175	M17b	17	P057276-501	M17b	590313		C965514-308	M17b			
1N2245		12	1N2244 1N2363A 1N2366A	DO4 DO4 DO4	1N2244A 1N2364A 1N2367A	DO4 DO4 DO4	1N2245A 1N2365A 1N2368A		1N2362A 1N2365B 1N2369A	DO4	
1N2328		12	1N2632 B2200	DO4	1N2898		1N2899		HV24C		
1N2357	DO1	12	1N2358 1N2389 1N2780	DO1 A40a	1N2360 1N3234	DO1 A21b	1N2362 1N3235	A21b	1N2363		
1N2358	DO1	12	1N2360 1N3235	DO1 A21b	1N2389 50E18		1N2780	A40a	1N3234	A21b	
1N2361	DO1	12	1N2328 B2200		1N2898		1N2899		1N3236	A21b	
1N2364A	DO4	15	1N2364B 1N2366B 1N2368A	DO4 DO4 DO4	1N2365A 1N2367A 1N2369A		1N2365B 1N2367B 1N2369B		1N2366A 1N2368B	DO4 DO4	
1N2379		12	1H2-2361 1N2910 720680-5	A48e A48e	1N1142 1N2911 32113544	F14c A48k A48f	1N1734 1N2915 A1021105-6	A48e	1N2382 HV40A	A48c A3c	
1N2381		12	1N1699 PS1132	A48j	1N2385	A48J	MC095	M54h	MC095A	M54h	
1N2382	A48c	12	1N2910 1N2917		1N2911 720680-5	A48k A48e	1N2915 A1021105-6		1N2916 1054499		
1N2383	A48g	12	1N1756 A1021105-7	#	1N2922		1N2923		7701-6		
1N2384	A48g	12	MC081 A1021105-8	#	MC081A	M54c	576R068H04	#	PS1147	A48J	
1N2385	A48J	12	1N1148 PS1148	▼	F14e A48J	1N1699 RA5916	#	MC091 A1021105-9	#	M54d	
1N2487	A6b	12	1N443B 1N612A 1N1492 40H1	▼ DO3 DO4 DO3 A6	1N444B 1N1095 1N2070 RA5916	▼ DO3 DO3 DO3 #	1N540 1N1096 A3c RA5916	▼ DO1 DO3 A50	1N612 1N1490 1N3278	DO4 DO4 A38f	
1N2490		12	1N2389 1N3236	A21b	1N2781	A40					
1N2491	DO4	12	USAF1N1202	S27	1N1341B		1N1342B		1N1612A 1N2148A	DO4 S35	
				DO4 DO4	1N2147 MR5N	▼ ▼	1N2148 BY402	▼ S35 S35			
1N2498A	DO4	13	1N1351A USN1N2808B PR515	DO4 C5a S4b	1N1604A USA1N2974B SV2015	▼ ▼ ▼	DO4 DO4 4660207	DO4 PR516	1N2045A 10M10ZR5 720670-15	DO4 S11	
1N2499A	DO4	13	1N1352A 10Z11T5	DO4	1N2045B MZ11BFA		USN1N2809B	▼ C5a S4b	1N2975B	DO4	
1N2500A	DO4	13	1N1353A 1N2810B SV2017	DO4 C5a	1N1417 USN1N2810B 956442-501	▼ ▼ ▼	1N1605A 1N2976B	DO4 DO4	1N2046A 50M12Z5	T03	
1N2514	DO4	12	1N1092 1N1920 1N2799	F25 S82 DO5	1N1126A 1N2515 720660-14	▼ ▼ ▼	USN1N126AM 1N2520	DO4 S35	1N1615 1N2521	DO4 S35	
1N2536	S35	12	1N1124 1N1128 1N2518 B94327	DO4 DO4 S35	1N1125 1N1128A 1N2537	▼ ▼ ▼	1N1126 1N1910 RX106	DO4 A86 DO4	1N1126A 1N2512	DO4	

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♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N2537	S35	12	1N1124 1N1128 1N2520	▼ ▼ S35	DO4 DO4 CK898	1N1125 1N1128A 1N1613A KS602BA	▼ ▼ DO4	DO4	1N1126 1N1910	▼ ▼	DO4 A86
1N2554	S35	12	1N2240 1N2532	DO4 S35	1N2240A 1N2543 USN1N3649M	DO4 S35 DO4	1N2241	S35	1N2241A	S35	
1N2566	S35	12	1N1342B 1N1613A KS602BA	DO4 DO4	1N1343B 1N1614A	DO4	1N1344B BY704	▼	DO4	1N1345B 720660-14	▼
1N2576	S35	12	1N1191 1N1200 1N2576	▼ ▼ S35	USAFA1N1199 USAFA1N1200 C35F	S27 S27	1N1199A 1N1200A 304B	DO4 DO4 S27	1N1199B 1N1200B		
1N2590	S35	12	1N1206A 1N2593 BY814	DO4 A35 DO4	1N1206B BY514 BY815	S35	1N2591 BY515 BY816	S35 S35 DO4	1N2592 BY516	S35 S35	
1N2611	A31a	12	1N442B 1N540 1N2069 L531-002-932#	▼ ▼ ▼ A3c	DO3 DO1 A3c 2028462	1N443B 1N1488 1N2070 2028462	▼ ▼ ▼ ▼	DO3 DO3 A3c A3c	1N538 1N1489 1N2612 2262264-2	▼ ▼ ▼ #	DO1 DO3 A31a
1N2612	A31a	12	1N442B 1N612 1N2070 L531-002-933#	▼ ▼ ▼ A3c	DO3 DO4 A3c	1N443B 1N612A 1N3194 816B520-4	▼ ▼ ▼ ▼	DO3 DO4 A38f DO3	1N539 1N1489 1N3278 2262264-3	▼ ▼ ▼ #	DO1 DO3 SD93A DO3
1N2620	A31a	13	1N2620A 1N2623 8991170-4	▼ ▼ ▼	A31a A31a A31a	1N2621A 1N2623A	▼ ▼	A31a A31a	1N2622 1N2624A 8991170-4	▼ ▼ ▼	A31a A31a
1N2620A	A31a	13	1N2620 1N2623 720670-34	▼ ▼ ▼	A31a A31a A31a	1N2621A 1N2623A A8991170-1	▼ ▼ #	A31a A31a A31a	1N2622 1N2624A 8991170-4	▼ ▼ ▼	A31a
1N2621A	A31a	13	1N2164 1N2622A M157A	▼ ▼ #	A31a	1N2620 1N2623A 1211	▼ ▼ #	A31a A31a A31a	1N2620A 1N2623A 720670-34	▼ ▼ ▼	A31a A31a A31a
1N2624A	A31a	13	1N2170 1N2622 M160A 8991170-4	▼ ▼ # ▼	A31a	1N2620 1N2622A A899-1170-5	▼ ▼ #	A31a A31a	1N2620A 1N2623A 1217	▼ ▼ #	A31a A31a A31a
1N2767	A48d	13	1N2767A AV4021 L2088305-1	▼ ▼ ▼	A48d S10 A45	AV2020 AV8020	A19 S11	AV2021 AV8021	A19 S11	AV4020 C615011-4	S10
USN1N2804B	♦ C5a	13	USN1N2805B	♦ C5a							
USN1N2804RB	♦ C5a	13									
Reverse Polarity Type											
1N2807B	DO4	13	USN1N2807B	♦ C5a							
1N2807RB	DO4	13									
Reverse Polarity Type											
USN1N2808B	♦ C5a	13	50M10Z5	▼	TO3						
USN1N2808RB	♦ C5a	13	50M10Z5	♦	TO3						
Reverse Polarity Type											
also see 1N2808 for replacement types.											
Observe proper polarity.											
1N2810B	C5a	13	USN1N2810B	♦ C5a	50M12Z5	▼	TO3				
1N2813RB	C5a	13	50M15Z5	▼	TO3						
Reverse Polarity Type											
also see 1N2810B for replacement types.											
Observe proper polarity.											
1N2814B	C5a	13	USN1N2814B	♦ C5a							
1N2815B	C5a	13	50M17Z								
1N2818B	C5a	13	50M20Z5	▼	TO3						
USN1N2818RB	♦ C5a	13									
Reverse Polarity Type											
see 1N2818B for replacement types.											
Observe proper polarity.											
1N2820	C5a	13	1N2819A USN1N2820B	♦ C5a ♦ C5a	USN1N2819B 1N3321	♦ C5a	1N2820A 50M22ZR5	▼ TO3	1N2820B 50Z24F	▼	C5a S21c
1N2820B	C5a	13	50M25Z5	▼	TO3						
1N2820RB	C5a	13									
Reverse Polarity Type											
see 1N2820B for replacement types.											
Observe proper polarity.											
1N2821B	#		see 50M25Z5								
1N2822B	C5a	13	USN1N2822B	♦ C5a	50M27Z5	▼	TO3				
1N2823B	C5a	13	USN1N2823B	♦ C5a	USN1N2824B	♦ C5a					
1N2824B	C5a	13	50M33Z5	▼	TO3						
1N2826B	C5a	13	USN1N2826B	♦ C5a	50M39Z5	▼	TO3	128-1001-15 #			
1N2827B	C5a	13	USN1N2827B	♦ C5a	720670-70	▼	C5a				
1N2829B	C5a	13	USN1N2829B	♦ C5a							
1N2830B	C5a	13	1N2831B	▼	C5a	USN1N2831B	♦ C5a	1N2961			
1N2831B	C5a	13	1N2830B	▼	C5a	USN1N2831B	♦ C5a	1N2961			
1N2832B	C5a	13	USN1N2832B	♦ C5a	50M56ZR5	▼	TO3				

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.				
1N2834B	C5a	13	USN1N2834B	♦	C5a									
USN1N2835B	♦	C5a	13	2X250M75Z5P	▼	T03								
1N2838B	C5a	13	USN1N2838B	♦	C5a									
1N2840B	C5a	13	USN1N2840B	♦	C5a									
1N2841B	C5a	13	USN1N2841B	♦	C5a									
1N2843B	C5a	13	USN1N2843B	♦	C5a									
1N2844B	C5a	13	USN1N2844B	♦	C5a	11-750-02-984	▼	C5a						
1N2845RB	C5a	13	Observe proper polarity when using following replacements or use reverse-polarity versions											
Reverse Polarity Type			USN1N2845B	♦	C5a	50M175Z5	▼	T03						
1N2846B	C5a	13	USN1N2846B	♦	C5a									
1N2846RB	C5a	13	see 1N2846B for replacement types. Observe proper polarity.											
Reverse Polarity Type														
1N2862		12	1N443B	▼	D03	1N444B	▼	D03	1N540	▼	D01			
			1N612	▼	D04	1N612A	▼	D04	1N1095	▼	D03			
			1N1490	▼		1N1492	▼	D03	1N2070	▼	A3c			
			1N2864		D02	1N3194	▼	A50	1N3278	▼	A38f			
1N2890		12	1N2361	▼	D01	1N2891			1N2892		1N2893			
			1N2894			1N2895			LT1123		LT1223			
			LT1323											
1N2915		12	1N2914		A48k	1N2916			1N2917		1N2918			
			1N2919		M54e	1N2920			1N2921		MC052A			
			MC062A								M54d			
1N2970	D04	13	1N1483		C5a	1N1804		S11	1N1805		1N2042B			
			1N2804			1N2970A		D04	1N2970B	▼	10Z6.2T5			
			10Z6.8T20			SV2007								
1N2970B	D04	13	1N1602A			1N2043B		D04	USN1N2804B	▼♦	C5a			
			1N2971B			MZ7.5BCA			10Z7.5T5		USN1N2805B			
			SV2009	▼		D615003-331 #			1979827-1	▼	PR509			
1N2970RB	D04	13	see 1N2970B for replacement types. Observe proper polarity.											
Reverse Polarity Type														
USA1N2971RB	♦	S28	13	Observe proper polarity when using following replacements or use reverse-polarity versions										
Reverse Polarity Type			PR510		S4b	1N2043C			USN1N2805B	♦	C5a			
									1N2971B		D04			
1N2972B	D04	13	1N1416	▼	S4b	1N1603A		D04	1N2044A		USN1N2806B			
			PR511			V908382	#				♦ C5a			
USA1N2974B	♦	D04	13	1N1351A	▼	D04	1N1604A	▼	D04	1N1743	1N2045A			
			1N2498A	▼	D04	USN1N2808B	▼♦	C5a	HPZ10	▼	10M10ZR5			
			PR515		S4b	SV2015	▼		720670-15	▼	S11 4660207			
USA1N2974RB	♦	D04	13	see 1N2974B for replacement types. Observe proper polarity.										
Reverse Polarity Type														
1N2975RB	D04	13	Observe proper polarity when using following replacements or use reverse-polarity versions											
Reverse Polarity Type			USN1N2809B	♦	C5a	1N1352A	▼	D04	1N2045B		1N2499A			
											D04			
1N2976B	D04	13	1N1353A	♦	D04	1N1417	▼		1N1605A	▼	D04			
			1N2500A		D04	1N2810B	▼	C5a	USN1N2810B	♦	C5a			
			SV2017	▼		C956442-501	#		956442-501	▼	50M12Z5			
1N2980B	D04	13	1N1356A	▼	D04	1N1818A	▼	D04	1N2147B		1N2814B			
			USN1N2814B	♦	C5a	1N2980B	▼	D04	10Z16T5		PR521			
			SV2021	▼							S4b			
1N2982B	D04	13	1N1357A	▼	D04	1N1419	▼		1N1607A		1N1819A			
			1N2048A			USN1N2816B	♦	C5a	PR523		SV2023			
1N2982RB	♦	D04	13	see 1N2982B for replacement types. Observe proper polarity										
Reverse Polarity Type														
USA1N2984B	D04	13	1N1358A	▼	D04	1N1820A	▼	D04	1N2084C		1N2818B			
			10M20ZR5	▼	D04	50M20Z5	▼	T03	SV2025	▼	925251-9			
USA1N2984RB	D04	13	USN1N2818B	▼♦	C5a	also see USA1N2984RB for replacement types. Observe proper polarity.								
Reverse Polarity Type														
USA1N2985B	D04	13	1N1359A	▼	D04	1N1420	▼		1N1608A		D04			
			1N2049A			USN1N2819B	♦	C5a	50M22ZR5	▼	1N1821A			
									T03		PR544			
1N2986B	D04	13	1N1360A		D04	1N1822A	▼	D04	1N2049B		USN1N2820B			
			10Z24T5			PR545		S4b	SV2045	▼	SV2160			
			D615003-330 #			8950230-32	▼	S28			DO4			
1N2988B	D04	13	1N1361A	▼	D04	1N1421	▼		1N1609A	▼	USN1N2822B			
			1N2823B		C5a	50M27Z5	▼	T03	2071905	▼	S28 2124398			
USA1N2988RB	D04	13	see 1N2988B for replacement types. Observe proper polarity.											
Reverse Polarity Type														
1N2989B	D04	13	1N2823B	▼	C5a	USN1N2823B	♦	C5a	1N2989B	▼	D04 615003-6			
			1N1362RA	▼	D04	1N1824RA	▼				S11			
USA1N2989RB	♦	D04	13	also see 1N2989B for replacement types. Observe proper polarity.										
Reverse Polarity Type														

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▼ — TYPE NUMBER IN NAVY STOCK SYSTEM

□ — MECHANICAL AND ENVIRONMENTAL TEST

♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
USA1N2990B ♦	DO4	13	1N1363A ▼	DO4	1N1825A ▼	DO4	1N2824B ▼	DO7	USN1N2824B ♦	C5a	
			1N2990B	DO4	50M33Z5 ▼	DO4	895-0230-2 #	S11	895-0230-4 #		
			895-0230-6 #		AV8032	S11	AV8033		AV8034	S11	
1N2991	DO4	13	1N1364	DO4	1N1364A	DO4	1N1364A36V ▼	DO4	1N1826	S19a	
			1N1826C	DO4	1N2825	C5a	USN1N2825B ♦	C5a	1N2991A	DO4	
			1N2991B	DO4	1N3326	DO5					
1N2992B	DO4	13	1N1827A ▼	DO4	1N2826B ▼	C5a	USN1N2826B ♦	C5a	1N2992B ▼	DO4	
			10M39Z5 ▼	DO4	50M39Z5 ▼	DO3	AV8038	S11			
USA1N2992RB ♦	DO4	13	see 1N2992B for replacement types. Observe proper polarity.								
Reverse Polarity Type											
IN2993B	DO4	13	1N1366A ▼	DO4	1N1828A ▼	DO4	1N2827B ▼	C5a	USN1N2827B ♦	C5a	
			AV8042	S11	AV8043	S11	AV4044				
USA1N2997B ♦	DO4	13	1N1368A ▼	DO4	1N1830A ▼	DO4	1N2830B ▼	C5a	1N2831B ▼	C5a	
			USN1N2831B ♦	C5a	1N2961		1N2997B	DO4	MZ50BBA		
1N2999B	DO4	13	1N1369A ▼	DO4	1N1831A ▼	DO4	1N2832B ▼	C5a	USN1N2832B ♦	C5a	
			1N2999E ▼	DO4	50M56ZR5 ▼	DO3					
USA1N2999B ♦	DO4	13	1N1369A ▼	DO4	1N1831A ▼	DO4	1N2832B ▼	C5a	USN1N2832B ♦	C5a	
			1N2999E ▼	DO4	50M56ZR5 ▼	DO3					
USA1N3000B	DO4	13	1N1370A ▼	DO4	1N1832A ▼	DO4	USN1N2833B ♦	C5a	10M62Z5 ▼	DO4	
			AV8060	S11	AV8061	S11					
1N3001B	DO4	13	1N1371A ▼	DO4	1N1422 ▼		1N1833A		1N2834B ▼	C5a	
			AV8066	S11							
1N3001P5 #			see 1N1833A								
1N3002B	DO4	13	1N1372A	DO4	1N1834A ▼	DO4	USN1N2835B ▼♦	C5a	2X2-50M75Z5P▼	TO3	
1N3003B	DO4	13	1N1373A	DO4	1N1835A ▼	DO4	USN1N2836B ♦	C5a	AV8080	S11	
			AV8081	S11	615003-8 ▼	S28	615003-308 ▼	S28	10M82ZR5 ▼	DO4	
1N3004	DO4	13	1N984	DO7	1N1374 ▼	DO4	1N1835A ▼	DO4	1N1836 ▼	S19a	
			1N1836C	DO7	1N3003B ▼	DO4	10M87.5ZB2 ▼	DO4	615003-8 ▼	S28	
			615003-308 ▼	S28							
USN1N3005B ♦	DO4	13	1N1375A ▼	DO4	1N1423 ▼	DO4	1N2008A	DO4	1N2838B ▼	C5a	
			10M100Z5 ▼	DO4	G9F16660 #	S28	SZ554 ▼	S4b	AC052858A ▼	DO4	
			615003-9 ▼	S28	615003-309 ▼	S28					
1N3005RB	DO4	13	see USN1N3005B		for replacement types. Observe proper polarity.						
Reverse Polarity Type											
1N3007B	DO4	13	1N1809A ▼	S4a	1N2009A		AV8110	S11			
1N3011B	DO4	13	1N2012A		1N2843B ▼	C5a	USN1N2843B ♦	C5a			
USA1N3012B ♦	DO4	13	USN1N2844B ♦	C5a	1N3012B	DO4	AV8160	S11			
1N3015B	DO4	13	1N2846B ▼	C5a	USN1N2846B ♦	C5a	10M200Z5 ▼	DO4	10M200Z5 ▼	DO4	
			AV8195	S11	AV8200	S11					
1N3016B	A31a	13	1N1521A ▼	D03	1N1591A ▼	DO4	1N1602B		1N2043B		
			1N2970B ▼	DO4	1N3017B ▼	A31a	1N3112	A6	PR609	A6	
			1979827-1 ▼	S4c							
1N3017B	A31a	13	1N1768A ▼	A31	1N2043C		USN1N2805B ♦	C5a	1N2971B	DO4	
			1N3112	A6	OAZ225		PR510	S4b			
1N3018B	A31a	13	1N1416		1N1425		1N1522A	DO3	1N1603A	DO4	
			1N2044A		USN1N2806B ♦	C5a	1N2972B ▼	DO4	PR511	S4b	
			PR611	A6							
USN1N3019B ♦	A31a	13	1N2163 ▼		1N2164 ▼		1N2165		1N2166 ▼		
			1N2167		1N2168 ▼		1N2169		1N2170 ▼		
			1N2171		1Z9.1T5 ▼	DO3					
1N3020B	A31a	13	1N1351A ▼	DO4	1N1523A ▼	DO3	1N1604A ▼	DO4	1N1744		
			1N1771A ▼	A31	1N2498A ▼	DO4	10M10Z5 ▼	DO4	PZT10A ▼	A31a	
			PR615	A6	615010-33 #		720670-15 ▼	S11			
USN1N3021B ♦	A31a	13	1N1352A ▼	DO4	1N2045B		1N2499A ▼	DO4	USN1N2809B ♦	C5a	
			1N2975B	DO4	1BZ11T5		MZ11BFA	DO4	PR516	S4b	
			SV810	#	A895-501-33-1#		SIE62004-1 #				
USN1N3022B ♦	A31a	13	1N1353A ▼	DO4	1N1417 ▼	DO4	1N1426 ▼		1N1524A ▼	DO3	
			1N1605A ▼	DO4	1N1773A ▼	A31a	1N2046A ▼		1N2500A ▼	DO4	
			LFZ12A ▼	A31a	PZP12A ▼		956442-501 ▼		1060472-2 ▼	A31	
1N3023B	A31a	13	1N1354A	DO4	1N1816A ▼	A6	USN1N2811B ♦	C5a	322-1167P10 ▼	A31	
			PR518	S4b	PR618	A6	615010-13 ▼	A31	2157086-5 ▼	DO5	
			8991179-8 ▼	DO3							
1N3024B	A31a	13	1N1355A ▼	DO4	1N1418		1N1427 ▼		1N1525A ▼	DO3	
			1N1595A ▼	DO4	1N1606A ▼	A6	1N1775A ▼		1Z15A ▼	DO3	
			LPZ15A ▼	A31a	PR620		1020954A #		2157094-2 ▼	C12	
1N3025B	A31a	13	1N1356A ▼	DO4	1N1818A ▼	DO4	1N2047B		1N2980B	DO4	
			1Z16T5	DO3	1Z16T5		10Z16T5		PR521	S4b	
			PR621	A6	SV2021						

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IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
1N3026B	A31a	13	1N1357A 1N1607A 322-1167-P13	▼ DO4 A31	1N1419 1N1777A PR623	▼ A19 A6 8950229-13	1N1428 1N1819A 9850229-13	▼ DO4 A41	1N1526A 1N2982B	▼ DO4	
1N3027B	A31a	13	1N1358A 1N2818B 10M20ZR5	▼ DO4 C5a DO4	1N1820A USA1N2984B 615010-8	▼ DO4 A31	1N1876A 1Z20T5 925251-9	▼ DO4	1N2048C 3Z20T5	▼ DO4	
USN1N3028B	♦	A31a	13	1N1359A 1N1608A 1N2049A PZT22A	▼ DO4 DO4 DO4 A31a	1N1420 1N1779A USN1N2819B PR644	▼ A19 C5a A6	1N1429 1N1821A USA1N2985B	▼ DO4 DO4	1N1527A 1N1880	▼ DO3
1N3029B	A31a	13	1N1778A 1Z24T5 1979945-1	▼ DO3 DO3	1N1822A PR645 8950230-32	▼ S28	USN1N2826B SV2045 8991179-14	♦ C5a DO3	1N2986B SV2160	▼ DO4	
1N3030B	A31a	13	1N1361A 1N1609A AV4027 2124398	▼ DO4 DO4 S10 ▼	1N1421 1N1781A 2061905 S28	▼ A31	1N1430 1N2988B 8991179-15	▼ DO4 DO3	1N1528A SIE62004-2 AV2027	▼ # A19	
USN1N3031B	♦	A31a	13	1N1362A 1N2989B 625013-073	▼ DO4 DO4	1N1782A 3Z30A	▼ A31 DO4	1N1882A30V LPZ30A	▼ #	USN1N2823B 615003-6	▼ C5a S11
1N3032B	A31a	13	1N1363A E5T50B33 AV4032 D615010-48	▼ DO4 A78 S10	1N1783A F1010 AV4034	▼ A19 A31 S10	1N1825A AV2032 AV8032	▼ DO4 A19 S11	E5T50A33 AV2034 AV8034	A78 A19 S11	
1N3033B	A31a	13	1N1364A 1N2991B 156M1823 B488830-2	▼ DO4 DO4 # #	1N1364A36V 8A4HS2 AV2035 B488830-3	▼ # A19	1N1784A 101M1766SK AV4035 B488830-4	▼ A19 S10	1N1826A 147M1680 AV8035	DO4 # S11	
1N3034B	A31a	13	1N1365A 1N2992B	▼ DO4	USN1N2826B 10M39Z5	♦ ▼ DO4	1N1827A 50M39Z5	▼ DO4 TO3	1N2826A AV8038	▼ C5a S11	
1N3035B	A31a	13	1N1741 1N1828A AV4042 2016490-2	▼ A30 DO4 S10 A31	1N1741A 1N2993B AV4043	▼ DO4 A30 S10	1N2827B E5T50A43 AV8042	▼ C5a A78 S11	USN1N2827B E5T50B43 AV8043	♦ C5a A78 S11	
1N3036B	A31a	13	1N1367A E5T50A47	▼ DO4 A78	1N1829A E5T50B47	▼ A78	1N1884A	▼	1N2995B	DO4	
1N3037B	A31a	13	1N1368A 1N1830A LPZ50BB-A	▼ DO4 DO4 A31a	1N1742 1N2997B 8950229-24	▼ A30 DO4 A41	1N1742A E5T50A51	▼ A30 A78a	1N1788A E5T50B51	▼ A19 A78a	
1N3039B	A31a	13	1N1369A 1N2999B 50M56ZR5	▼ DO4 DO4 T03	1N1831A	▼ DO4	1N2832B E5T50A56	▼ C5a A78a	USN1N2832B E5T50B56	C5a A78a	
1N3040B	A31a	13	1N1371A 1N1833A 1060472-1	▼ DO4 DO4 ▼	1N1422 1N3001A	▼ DO4	1N1431 E5T50A68	▼ A78a	1N1791A E5T50B68	▼ A31 A78a	
1N3041B	A31a	13	1M75Z5 1N3002B	▼ DO4	1N1372A 2X2-50M75Z5P	▼ T03	1N1834A E5T50A75	▼ DO4 A78a	USN1N2835B E5T50B75	▼♦ C5a A78a	
1N3042B	A31a	13	1N1835A 10M82ZR5 615003-308	▼ DO4 DO4 ▼	1N3003B AV8080	▼ DO4 S11	E5T50A82 AV8081	▼ A78a S11	E5T50B82 615003-8	A78a ▼ S28	
USN1N3044B	♦	A31a	13	1M100Z5 E5T50A100 615003-9	▼ DO1 A78a S28	1N1375A E5T50B100 615003-309	▼ DO4 A78a S28	1N1423 10M100Z5	▼ DO4	1N3005B SZ554	▼ DO4 S4b
1N3046B	A31a	13	1M120Z5 E5T50B120	▼ DO1 A78a	1N2010A AV2120	▼ A19	1N3008B AV4120	DO4 S10	E5T50A120 AV8120	A78a S11	
1N3048B	A31a	13	1N2012A 10M150Z5	▼ DO4	1N3011B	▼ DO4	E5T50A150	A78b	E5T50B150	A78b	
1N3049B	A31a	13	USN1N2844B AV2150	♦ C5a A19	1N3012B AV4150	DO4 S10	1N3049A AV8150	A31a S11	11-750-02-984 617941-4	▼♦ S28	
1N3050B	A31a	13	1N3014B AV4180	DO4 S10	AV2175	S10	AV2180	A19	AV4175	S10	
1N3051B	A31a	13	1N3015B 10M200ZR5 AV4200	▼ DO4 DO4 S10	E5T50A200 AV2195 AV8195	A78b A19 S11	E5T50B200 AV2200 AV8200	A78b A19 S11	10M200Z5 AV4195 899179-40	▼ DO4 S10 DO3	
1N3064		14	1N903M 1N914M FD100 FA3040	A2a A2 A22 #	1N908M 1N916 FD101	▼ A2a DO7 A22	1N914 1N916B PD311	▼ DO7	USN1N914 1N3064M L682-034-1	DO7 A2a	

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IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
USN1N3070	A22	14	1N3070 AM704A AM717A	A1 D07 D07	AM701 AM714 L682034-2	D07 D07 A21	AM701A AM714A	D07 D07	AM704 AM717	D07 D07	
1N3073	D012	12	1N317A 1N530 USN1N3189	D02 DO2 A31a	1N324A 1N600A 1N3544	D04 D01 A1	1N340 1N676 SA101	D04	1N440 1N677 1N1100	D03 A1 D01	
1N3082TK21	A84	12	1N1116 SM2 TM24	▼ DO4 DO4	1N1117	▼ DO4	1N1564A	▼ C14	USN1N3189 TM21	♦ A31a	
1N3085	S8	12	1N1662 1N1275 USAF1N1397	▼ S14d S14c ▼♦ S14b	1N1272 1N1276 1N1661	▼ S14c S14c ▼	1N1273 1N1282 1N3261	▼ S14c S14g S14g	1N1274 1N1295 45L15	▼ S8e S8	
1N3123	D07	14	1N903 1N904M 1N908AM	A1 A2a A2a	1N903A 1N907M 1N908M	A22 A2a A2a	1N903AM 1N908 USN1N914	▼♦ A2a	1N903M 1N908A 1N3471	A2a A22 M58	
1N3154	D07	13	1N3154A 1N3156A 2017328-1	▼ D07 D07 S20	1N3155 1N3157	D07 D07	1N3155A SV3176	▼ D07 A45	1N3156 SV3173	D07 A45	
USN1N3190	♦	A31a	1N1118 TM41 2016730-2	▼ DO4 DO4	1N1415 TM44 2042174-4	▼ DO4	1N1566 TM51	▼ C14	1N1566A 2016730-1	▼ C14 A84	
1N3194	A50	12	1N443B 1N2070A 1N3255 DI648	▼ DO3 A3c A50a A38b	1N444B USN1N3190 75E5	▼ DO3 A31a A3c	1N445B 1N3195 CODI535	▼ DO3 A50 A75	1N612A 1N3254 CODI615	▼ DO4 A50a A76	
1N3195	A50	12	1N445B 1N3255 CODI537	▼ DO3 A50a A75	1N614A 1N3256 CODI617	▼ DO4 A50a A76	1N2071A 75E6 DI649	▼ A3c A3c A38b	1N3191 152-012 2094056	▼ A31a A3c ▼	
1N3278	A38f	12	1N443B 1N612A 1N1492	▼ DO3 DO4 DO3	1N444B 1N1095 1N2070	▼ DO3 DO3 DO3	1N540 1N1096 1N3194	▼ D01 D03 A50	1N612 1N1490	▼ D04	
1N3666M	#		see C202-321								
1N3666N1	#		see CSD2591								
1R205BA1S1	#		see 322-1140P1								
A1S600Z10	∅	A1	1N327 1N563 1N689	▼ DO4 ▼	DO2 A1 1N1033	▼ DO4 ▼ A1	1N332 USAF1N647 1N1169	▼ DO4 A1 A73	1N341 USAF1N649 1N1169	▼ DO4 A1 A34b	
SB1X3		12	1N1087 1N2114 1N3572		F17 DO4 1N3612	▼ F17 1N2528 A60	1N1088 S35 A60	▼ F17 1N2112 1N2529 720699-45	▼ 1N2112 1N2529 S35	1N2113 1N2539	
1Z4.7A	DO3	13	1N3826 1N2041B SV2005		A31a	1N1484 202-376 720670-14	▼ ▼ ▼	1N1519A 766-1001-3 S11a	▼ DO3 S19	1N1600A PS1425	A48d
1Z5.8T5	DO3	13	1N1485 PR607	▼		1Z6.2T5	DO3	3Z6.2T5		OAZ223	
1Z6.8	A3c	13	1N1485 1N3016 1N3829	▼ A3c A31a	1N1521 1N3016A 1Z6.8D	▼ DO3 A31a A6b	1N1766 1N3017	▼ A31 A31a	1N1767 1N3786	A31 C14	
1Z9.1T5	DO3	13	1N2163 1N2167 1N2171	▼		1N2164 1N2168	▼ DO13	1N2165 1N2169		1N2166 1N2170	
1Z14.5V25	#		see 720670-57								
1Z15A	DO3	13	1N1355A 1N1595A LPZ15A	▼ DO4 ▼	DO4 A31a FR620	1N1418 1N1606A FR620	▼ DO4 A6	1N1427 1N1775A 2157094-2	▼ A31 C12	1N1525A 1N3024B	▼ DO3 A31a
1Z23A	DO3	13	1N769A AV2022 AV8022		A19 S11	E5T50A23 AV4022 620385-22	▼ A19 S10 C1	EST50B23 SV4022 720670-75	▼ A78 A45 A46	766-1000-10 SV4022A	A45 A45
1.5M8.2Z	C14	13	1N3788 ZG7.5	C14 S4a	1.5Z9.1D OAZ225	C12	1.5M9.1Z	C14	3Z7.5T5		
1.5M10Z	C14	13	1N1808 3Z10T20 SV2012		A31	1N2044B 10Z9.1T5 2019269-4	▼ S11	1N2973B PR512	DO4 S4b	1N2975 PR513	DO4 S4b
1.5M12Z	C14	13	1N1353 1N2976A 2168900	▼ DO4 DO4	1N2500 1N3791	S19a C14	1N2500C 1.5Z12D	C12	1N2976 10M12Z10	DO4 DO4	
1.5M12Z5	C12	13	1N1353A 1N2500A 50M12Z5	▼ DO4 DO4	1N1417 1N2810B SV2017	▼ C5a	1N1605A USN1N2810 720670-53	▼ DO4 C5a C14	1N2046A 1N2976B 956442-501	▼ DO4	

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1B. DIODE & RECTIFIER REPLACEMENTS

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1.5M15Z5	C12	13	1N1355A 1N2047A PR520 2157094-2	▼ S4b ▼□	D04 1N1418 USN1N2813B SV2020	C5a ♦ ▼	1N1606A 1N2979B SV2149	▼ D04 ▼□	1N1817A 50M15Z5 2031310	▼ D04 TO3 ▼□ S11a	
1.5M16ZR5 Reverse Polarity Type	C12	13	Observe proper polarity when using following replacements or use reverse-polarity versions		1N1356A 1N2814B	▼ C5a ♦	1N1818A 1N2980B	▼ D04 D04	1N2047B USN1N2980B	D04	
1.5M18Z	C14	13	1N1356A 1.5Z18D PR521	▼ C12 S4b	D04 1N1818A C12 3Z16T5 SV2021	▼ D04 1N2980B 10Z16T5	D04	1N3795 354-1787-1 #	C14		
1.5M19Z5 #			see 720670-65								
1.5M20Z5	C12	13	1N1358A USA1N2984B SV2025	▼ D04 ▼□	1N1820A 10M20ZR5 925251-9	▼ D04 ▼□	1N2048C 50M20Z5	▼ T03	1N2818B 354-1788-1 #	C5a	
1.5M25ZC5 #			see 1118822								
1.5M30Z5	C12	13	1N1362A 615003-6	▼ ▼□	D04 S11	1N2823B	▼ C5a	USN1N2823B ♦	C5a	1N2989B ▼	
1.5M68Z	C14	13	1N1371 1N1833A 1N3001A		D04 1N1371A 1N1833C 1N3001B	▼ D04 D04	1N1422 1N1902 1.5Z68D	▼ C12	1N1833 1N3001	S19a DO4	
1.5M82Z5	C12	13	1N1373A 10M82ZR5 615003-308	▼ D04 ▼□	S28	1N1835A AV8080	▼ D04 S11	USN1N2836B AV8081	C5a S11	1N3003B 615003-8	▼ D04 S28
1.5M100Z5	C12	13	1N1375A 1N3005B 615003-9	▼ D04 ▼□	S28	1N1423 10M100Z5 615003-309	▼ D04 ▼□	1N2008A SZ554	D04 S4b	1N2838B AC05285A	▼ D04
1.5M105Z	C12	13	1N1375A 1N3005B 615003-9	▼ D04 ▼□	S28	1N1423 10M100Z5 615003-309	▼ D04 ▼□	1N2008A LPZ105BB	D04 A31a	1N2839A AC052858A	▼ D04
1.5M105Z5	C12	13	E5T50A105	A78a	E5T50B105	A78a	E5T50B105	A19	484529-9	▼ C1	
1.5M120Z5	C12	13	IN2010A E5T50A120		1N2841B E5T50B120	▼ A78a	USN1N2841B ♦	C5a A78a	1N3008B	D04	
1.5M130Z5	C12	13	IN2011A AV4130		S10	USN1N2842B AV8130	♦ S11	E5T50A130	A78a	E5T50B130	A78a
1.5M150Z	C12	13	IN1812 IN2012C 10M150Z5	▼ D04	S11	IN2011A IN3011 PZ135A	▼ D04	1N2012 1N3011A	S19a D04	1N2012A 1N3011B	▼ D04
1.5M200Z5	C12	13	IN2846B AV8195	▼ D04	C5a S11	USN1N2846B AV8200	♦ C5a S11	1N3015B	D04	10M200Z5	▼ D04
G02 #			see C-01								
F2	N3	12	1N440B 1N1487 1N1647 SD91A	▼ D03 ▼ D03	1N537 1N1488 A53 D03	▼ D03 ▼ D03	1N538 1N1645 A31a IN3229	D01 A53 A111	1N1441 1N1646 2JC4261H02	▼ A53	
SM2	DO4	12	1N1116 TM21	▼ ▼	DO4 TM24	1N1117 ▼	DO4 TM34	1N1564A ▼	C14 HR10745	1N1910 ▼	
S2E #			see 2166807								
2E4	A35a	11	1N647 5E5 PS5303	A1 A35a A46	1N648 MC050 1225359-3	▼ A2a A1	1N649 MC050A A1	A1 A2a	1N3728 MP500	A21	
2JC2162H01	A25	12	1N536 1N1251 2JC4261H02	▼ A53	D03 1N607 A53 NL5	▼ D04 A6	1N607A A53 SJ201A	D04 M21	1N1028 F2	▼ A73	
2JC2189H03	A1	11	1N302B 1N890M ED2838	A2a	1N434B SG67 MQ4512	# ▼ A21	1N457 322-1068P1 HD6006	A21 C1 A21	1N457M PS536 624781-1	# A21	
2JC2189H04	A1	11	1N486A 1N487B FD319 HD6136	▼ A22 A21	1N486AM 1N487BM W486 HR10262	▼ A2a A2a # #	1N486B 1N3578 PS596	D07 A84a	1N486BM SG59 ED2815	# A2a	
2JC2189H11	A1	11	1N488A MC130 MC140A	D07 A2a A2a	1N488AM MC130A W488	▼ A2a #	1N488B SG139 HR10263	D07	1N488BM MC140	A2a A2a	
2JC2189H18 #			see SG1007								
2JC2360H03 #			see 2JC2365H02								
2JC2365H01 #			see 2JC2365H02								
2JC2365H02 Multiple-Unit Type	13	1N709A 2JC2360H03 SV1007	▼ # ▼□	D07 2JC2365H01 CD3123	1N763A WSTR7 PS6469A	DO7 A23	1N1485 WSTR7 PS6469A	1Z5.8T5 SV124	▼ D03		
2JC2479 #			see W40A								

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2JC2719H02	□	A1	11	1N458A 1N484B SG132	▼ D07 D07	A46 1N3576 S252G	#	1N464A A84a HD6766	1N484 2JC2719H03 HD6766	D07 A1 A21	1N484A 3BS1	D07 A6a
2JC2719H03	□	A1	11	1N458A 1N484B SG132	▼ D07 D07	A46 1N3576 W252	#	1N464A A84a HD6766	1N484 2JC2719H02 HD6766	D07 A1 A21	1N484A 3BS1	D07 A6a
2JC2806	#			see HD6042								
2JC2806-5	#			see HD6025								
2JC2806H06	A21	12	1N600A IN3074 HD6061	D01 D012 ▼	1N601A IN3754 1293411-1	D01 D01 ▼	1N609A SG131 A1	D04 D07 A111	1N3073 HD6026	D012		
2JC2806-7	#			see HD6027								
2JC2806-8	#			see HD6028								
2JC2898-13	#			see ML553								
2JC2974-1	#			see 1N228-2								
2JC2974-2	#			see 1N229-2								
2JC3636H01	A1	11	1N302A SG132 PS750 620098	▼ D07 # ▼	C1	1N458 SG239 MP3512 925008-26	▼ # ▼ ▼	A21 A2 A23	1N458M TI622C HD6017	A2 C3 ▼	2JC3636H02 W628 HD6575	A1
2JC3636H02	A1	11	1N217 PD111 PD115 HD6189	C1 A2 A2 ▼	1N434A PD112 SG241 HD6622	▼ # # #	A2 A2 A23	1N622M PD113 W629 925008-26	A2a A2 ▼	PD110 PD114 PS761	A2 A2	
2JC3636H03	A1	11	1N302A SG132 HD6017	▼ D07 ▼	1N458 SG243 HD6558	▼ # #	A21	1N458M TI622C 620098	A2 C3 ▼	2JC3636H02 MP3512 925008-26	A1 A2 A23	
2JC4261H02	D01	12	1N537 1N2859 1N253C	▼ D02 D04	1N1487 1N3238 4JC4AX4-2	▼ #	D03 A21b	1N1645 F2 CK8401	A53 ▼	1N2610 1N253 2157083-1	A31a DO4 A34a	
2JC4261H06	D01	12	1N443B 1N612A 1N1492 4JA4EX1	▼ D03 D04 D03 #	1N444B 1N1095 1N2070 CK844-1	▼ ▼ ▼ #	D03 D03 A3c	1N540 1N1096 1N3194	D01 D03 A50	1N612 1N1490 1N3278	D04 A38f	
2JC4261H07	D01	12	1N444B 1N1095 SD95A 2262264-5	▼ D03 D03 D03 ▼	1N445B 1N1096 152-048 A31a	▼ ▼ ▼ ▼	D03 D03 D03 D03	1N614 1N1492 816B520-6	D04 D03 D03	1N614A 1N2071 CK845-1	D04 A3c	
2JD1120G01	Multiple-Unit Type	12	1N327 1N343 1N1033 167384	▼ D04 ▼ ▼	D02 1N646 A73 A1	1N332 ▼ A1 A1169	▼ # ▼	D04 A1 A1 A34b	1N334 USAF1N647 1N1254	D04 A1 A53	1N341 1N673 TM32	D04
USN2N681		TO48	12	2N681A JAN2N684M C35U	S18 TO48 ▼	USN2N682 USN2N685 2N1842B	▼ ▼ S18	TO48 TO48 S18	2N683/C35A C35A	S18	2N684 C35F	S18
USN2N682	TO48	12	2N682 2N686 2N1843B	S18 S18 S18	2N682A JAN2N686M C35F	▼ ▼ ▼	S18 TO48 S18	JAN2N684M 2N687 1661298	TO48 S18 S18	USN2N685 2N1843 2353315-2	TO48 TO48 TO48	
2N683/C35A	S18	12	2N683 2N687 2N1845 TCR1020	S18 S18 S18 TO48	2N683A 2N1844 16RCF10A	▼ ▼ ▼	S18 TO48 S18	2N684 2N1844B C35A	S18 S18 S18	2N686 2N689 C35G	S18	
2N684	S18	12	2N684A 2N686A 2N689 2N1846B	S18 S18 S18 S18	2N685 JAN686M 2N1845 2N1847	▼ ▼ ▼ ▼	S18 TO48 S18 TO48	USN2N685 2N687 2N1845B 2N1847B	TO48 S18 S18 S18	2N686 USN2N688 2N1846 C35G	S18 TO48 S18	
USN2N685	TO48	12	2N685 2N687 2N1846B	S18 S18 S18	2N685A JAN2N687M	▼ ♦	S18 TO48	2N686 USN2N688	S18 TO48	JAN2N686M JAN2N689M	TO48	
2N686	S18	12	2N686A USN2N688 2N1847B 2N1849B	S18 TO48 S18 S18	2N687 2N688A 2N1848 TCR2520	▼ ▼ ▼ ▼	S18 S18 TO48	2N687A 2N689 2N1848B	S18 S18 S18	2N688 2N1847 2N1849	S18 TO48 TO48	
2N687	S18	12	2N687A 2N689A 2N1849B TCR3020	S18 S18 S18 TO48	2N688 2N1848 2N1850 TCR4020	▼ ▼ ▼ ▼	S18 TO48 S18 TO48	2N688A 2N1848B 2N1850B	S18 S18 S18	2N689 2N1849 16RCF30A	S18 TO48 S18	
USN2N688	TO48	12	2N688 2N1849	S18 TO48	2N688A 2N1849B	▼ ▼	S18 S18	2N689A 2N1850	S18 S18	JAN2N689M 2N1850B	TO48 S18	

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2N689	S18	12	2N689A C35M C40E	S18 TO48 TO48	2N1850 C35S SCR1660	TO48 TO48 S18	2N1850B C36M 720699-108	S18 TO48	16RC50 C36S	S18 TO48	
2N1595	T05	12	1S600 2N1843 C15F	TO48 S90	2N682 2N1843B 16RCF5A	S18 S18 S18	2N1600 3RC5	S62 S17	2N1791 C5F	S17 T05	
2N1597	T05	12	2N1598 2N1774A 2N1934	T05 S17 3RC20	2N1602 2N1775A S17	S62 S17 S17	2N1603 2N1776 C5B	S62 S17 T05	2N1774 2N1776A C15B	S17 S17 S90	
2N1770A	S17	12	2N681 2N1842A	S18 TO48	2N1771A 2N1843A	S17 TO48	2N1772A 2N1844A	S17 TO48	2N1842 C35U	TO48	
NA2R Reverse Polarity Type	DO4	12	Observe proper polarity when using 1N339 1N2080 40-16133	▼ DO4 A53 DI505	folowing replacements 1N536 1N2090 A6a	▼ DO3 M21 A38b	1N1028 NL5 BOL-0634	▼ A73 A6	1N324A 1N1251 TM5	▼ DO4 A53	
2S1-10M27Z1	DO4	13	1N1361A 10M27ZB1	▼#	DO4 50M27Z5	▼	1N1421 2124398	▼ DO4 S28	1N2988B	▼ DO4	
2SS80		12	1N321A 1N560 1N1730	DO2 DO3 A48c	1N321 1N561 488231	▼ DO3	1N328 1N854	A21	1N328A 1N856	DO2 A21	
2W12A	A45	12	1N549 1N2884 50E12	A3c	1N2357 1N2885 TM125	▼ DO1	1N2777 1N2886 TM126	A40a	1N2779 1N2887	A40a	
2X2-50M75Z	TO3	13	1N2835 11-750-02-987#	C5a	1N2835A 50Z75F	C5a S21	USN1N2835B	▼ C5a	1N3337	DO5	
2X2-50M75Z5P	TO3	13	USN1N2835B	▼#	C5a	11-750-02-987#					
HB3	C1	11	1N137A 1N387 1N1844	▼ C1 C1b	1N209 1N388 HD6013	▼ C1 ▼ 1583965-4	1N210 1N462 1583965-4	▼ DO7	1N301 1N897	▼ A2	
TM3		12	1N316 1N2013 TJ5A	▼ A53	1N316A 1N3072 10J2	DO2 ▼ S43	1N599 NA2 40-16133	▼ DO1 S4b A6a	1N846 TM5 232-1127P1	▼ A21 #	
3A30		17	2N1877 2N1879 3C30A	▼ TO9 TO9	2N1877A 2N1879A 3A61	TO9 TO9 ▼	2N1878 3C30 3C60	TO9 TO9 TO9	2N1878A 3C60A	▼ TO9	
3A61		17	2N1877 2N1879 3C100	▼ TO9 TO9	2N1877A 2N1879A 3C100A	TO9 TO9 TO9	2N1878 3C60	TO9 TO9	2N1878A 3C60A	▼ TO9	
3BS1	A6a	11	1N487A FD361 HD6775	▼ DO7 A22 HD6774	1N487B CD1113 A21	DO7 CD1113 HD6774	1N678M CD1115	▼ A2a	FD300 HD6754	▼ A22 A21	
3C30A	TO9	17	2N1877 2N1879 3C60A	▼ TO9 TO9	2N1877A 2N1879A 3A61	TO9 TO9 ▼	2N1878 3A30 386-9051P4	▼ #	TO9	2N1878A 3C30	
T3G		11	1N98A 1N289 DR207	A23a DO7	1N100 T12 S423G	▼ A21 DO7	1N117A T12G ED1837	A23a	1N141 S142G	▼ A23a DO7	
3N42		13	3N39 3N44		3N40		3N41		3N43		
3Z20T5		13	1N1358A USA1N2984B 925251-9	▼ DO4 DO4	1N1820A 10M20ZR5	▼ DO4	1N2048C 50M20Z5	▼ TO3	1N2818B SV2025	▼ C5a	
3Z21A	DO4	13	1N1359A 1N2049A 50M22ZR5	▼ DO4	1N1420 USN1N2819B	▼ C5a	1N1608A USA1N2985B	▼ DO4	1N1821A PR544	▼ DO4 S4b	
3Z30A	DO4	13	1N1362A 3Z30T5	▼ DO4	1N1824A 615003-6	▼ S11	USN1N2823B	▼ C5a	1N2989B	▼ DO4	
F4		12	1N443B 1N612A 1N1492	▼ DO3 DO4 DO3	1N444B 1N1095 1N2070	▼ DO3 DO3 A3c	1N540 1N1096 IN3194	▼ DO1 DO3 A50	1N612 1N1490 IN3278	▼ DO4 A38f	
HB4	C1	11	1N213 1N391 HD6014	▼ C1 ▼ 1047273	1N214 1N392 1047273	▼ C1 ▼ A22a	1N215 1N393 1583965-3	▼ C1 DO7	1N215-1 1N1847	▼ C1b	
TM4	DO4	12	NA1 1N1907 RE8	▼ S4b A86 S19a	TM1 1N2026	▼ DO4	1N1217A	▼ DO1	1N1227A	A25	
HMP4A	#		see 1N1254								

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TD4B3B1A1 Multiple-Unit Device	12		1N612A 1N614A TM51	▼ ▼ ▼	DO4 DO4 DO4	1N613 1N1415 TD8B4B1A2	▼ ▼ ▼	DO4	1N613A 1N1566	▼	DO4 C14	1N614 USN1N3190	▼ ▼	DO4 A31a
TD4B6B1A1 Multiple-Unit Device	S25	12	1N1223 1N1234 426-10001	▼ ▼ ▼	DO1 S25 508C514H36	1N1224 1N1236 508C514H36	▼ ▼ ▼	DO1 S25 A34b	1N1225 308M 508C574H34	▼ ▼ ▼	A34b S25 A34	1N1226 320M	▼ ▼	DO1
TD4C1C2A1 # Multiple-Unit Device			see 2030939											
4020-12	C1b	17	4D80M3 4E40-8 4E30-28	▼ A71 A71	C1b A71 4E30A	4E20-8 4E40-28 4E30A	A71 A71	4E20-28 4E40A	A71	4E20A 4E30-8	A71			
4D80M3	C1b	17	4E20-8 4E30-8 4E40-28	A71 A71 A71	4D20-12 4E30-28 4E40A	▼	C1b A71	4E20-28 4E30A	A71	4E20A* 4E40-8	A71			
4D120M3 #			see 720699-106											
4JA4AX4-2 #			see 2JC4261HO2											
4JA4EX1 #			see 2JC4261HO6											
4JA5DX31 #			see ML553											
4JA25DX1 #			see 2015993											
4JA60A		12	1N1397 USAF1N1399 4JA60CX42	♦ ▼	S14b S14b 4JA62C	1N1398 1N1400 4JA62C	▼	S14b S12	USAF1N1398 USAF1N1400	S14b S14b	1N1399 IN2437	S14h DO8		
4JA60B		12	1N1401 1N1403 1N3142		S14b	USAF1N1401 USAF1N1403 4JA60CX42	♦ ▼	S14b S14b 4JA60D	1N1402 1N2439 4JA60D	▼ ▼	S14b DO8	USAF1N1402 IN2440 4JA62B	S14b DO8	
4JA60CX42		12	1N1400 1N1402 1N2441	▼	S12 S14b DO8	USAF1N1400 USAF1N1402 4JA60D	▼	S14b S14b 4JA62C	1N1401 1N1403 4JA62C	▼	S14b	USAF1N1401 USAF1N1403	S14b S14b	
4JA60D		12	1N1401 1N1403 1N2445		S14b	USAF1N1401 USAF1N1403 4JA62D	▼	S14b S14b	1N1402 1N2443	▼	S14b DO8	USAF1N1402 IN2444	S14b DO8	
4JA61CX42	D08	12	1N1276 1N1666 1N3292	▼	S14c S14d DO8	1N1277 1N3089 45L40	▼	S14c S8 S8	1N1287 1N3268	S14b S14b	1N1297 IN3291	S8e DO8		
4JA62A		12	1N1397 USAF1N1399 4JA60CX42	♦ ▼	S14b S14b 4JA62C	1N1398 1N1400 4JA62C	▼	S14b S12	USAF1N1398 USAF1N1400	S14b S14b	1N1399 IN2437	S14b DO8		
4JA211AB1AC3 Multiple-Unit Device		12	4JA211AC1AA2▼ 4JA211CB1AC1▼ 4JA211CC1AC4▼			4JA211AH1AC1▼ 4JA211CB1AC2▼ 4JA211CC3AC1▼			4JA211BB1AC2▼ 4JA211CB2AC1▼			4JA211BB2AC1▼ 4JA211CC1AC2▼		
4JA211AC1AA2 Multiple-Unit Device		12	4JA211AB1AC3▼ 4JA211CB1AC1▼ 4JA211CC1AC2▼			4JA211AH1AC1▼ 4JA211CB1AC2▼ 4JA211CC1AC4▼			4JA211BB1AC2▼ 4JA211CB2AC1▼ GJ6M			4JA211BB2AC1▼ 4JA211CC3AC1▼		
4JA211AH1AC1 Multiple-Unit Device		12	4JA211AB1AC3▼ 4JA211CB1AC1▼ 4JA211CC1AC2▼			4JA211AC1AA2▼ 4JA211CB1AC2▼ 4JA211CC1AC4▼			4JA211BB1AC2▼ 4JA211CB2AC1▼			4JA211BB2AC1▼ 4JA211CB3AC1▼		
4JA211BB1AC2 Multiple-Unit Device		12	4JA211BB1AC1▼ 4JA211CC1AC2▼			4JA211CB1AC1▼ 4JA211CC1AC4▼			4JA211CB1AC2▼ 4JA211CC3AC1▼			4JA211CB2AC1▼		
4JA211BB2AC1 Multiple-Unit Device		12	4JA211BB1AC2▼ 4JA211CC1AC2▼			4JA211CB1AC1▼ 4JA211CC1AC4▼			4JA211CB1AC2▼ 4JA211CC3AC1▼			4JA211CC3AC1▼		
4JA211CB1AC1 Multiple-Unit Device		12	4JA211CB1AC2▼ 4JA211CC3AC1▼			4JA211CB2AC1▼ 2350343-1 ▼			4JA211CC1AC2▼			4JA211CC1AC4▼		
4JA211CB1AC2 Multiple-Unit Device		12	4JA211CB1AC1▼ 4JA211CC3AC1▼			4JA211CB2AC1▼			4JA211CC1AC2▼			4JA211CC1AC4▼		
4JA211CB2AC1 Multiple-Unit Device		12	4JA211CB1AC1▼ 4JA211CC3AC1▼			4JA211CB1AC2▼ D2350343-2 #			4JA211CC1AC2▼			4JA211CC1AC4▼		
4JA211CC3AC1 Multiple-Unit Device		12	4JA211CB1AC1▼ 4JA211CC1AC4▼			4JA211CB1AC2▼ 23503443-1 ▼			4JA211CB2AC1▼			4JA211CC1AC2▼		
4JA211CC1AC2 Multiple-Unit Device		12	4JA211CB1AC1▼ 4JA211CC3AC1▼			4JA211CB1AC2▼			4JA211CB2AC1▼			4JA211CC1AC4▼		

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
4JA211CC1AC4 Multiple-Unit Type	12		4JA211CB1AC1▼ 4JA211CC3AC1▼		4JA211CB1AC2▼		4JA211CB2AC1▼		4JA211CC1AC2▼		
4JA211FB1AC2 Multiple-Unit Type	12		4JA211AB1AC3▼ 4JA211BB2AC1▼ 4JA211CC1AC2▼		4JA211AC1AA2▼ 4JA211CB1AC1▼ 4JA211CC1AC4▼		4JA211AH1AC1▼ 4JA211CB1AC2▼ 4JA211CC3AC1▼		4JA211BB1AC2▼ 4JA211CB2AC1▼		
4JA411AF1AD2#			see 322-1135P2								
4JA411BB1AD2 Multiple-Unit Type	12		1N1116 ▼ 1N1564A ▼ 4JA3511BF1AD1▼	DO4 C14	1N1117 ▼ 1N1566A ▼ 307D ▼	DO4 C14 DO1	1N1118 ▼ 1N1910 ▼ WP5053D ▼	DO4 A86 S25	1N1542 ▼ 1N1911 ▼ HR10745 ▼	DO4 A86	
4JA411DB2AD1 Multiple-Unit Type	12		1N1118 ▼ 1N1234 ▼ 4JA411DX155 ▼ 426-10001 ▼	DO4 S25	1N1223 ▼ 1N1542 ▼ 307H ▼	DO1 DO4 DO1	1N1233 ▼ 1N1566A ▼ 308M ▼	S25 C14 S25	1N1224 ▼ 1N1911 ▼ 320M ▼	DO1 A86	
4JA411DC5AD1#			see S322-118P1								
4JA411DX155 Multiple-Unit Type	12		1N1118 ▼ 1N1234 ▼ 4JA411DB2AD1▼	DO4 S25	1N1223 ▼ 1N1542 ▼ 307H ▼	DO1 DO4 DO1	1N1233 ▼ 1N1566A ▼ 320M ▼	S25 C14 426-10001	1N1224 ▼ 1N1911 ▼	DO1 A86	
4JA411DX184 Multiple-Unit Type	12		1N1118 ▼ 1N1234 ▼ 4JA411DB2AD1▼ 320M ▼	DO4 S25	1N1223 ▼ 1N1542 ▼ 4JA411DX184 ▼ 426-10001 ▼	DO1 DO4	1N1233 ▼ 1N1566A ▼ FBL-00-020 #	S25 C14	1N1224 ▼ 1N1917 ▼ 307H ▼	DO1 A86 DO1	
4JA411FC1AD1 Multiple-Unit Type	12		1N1052 1N2216 SM224	A73a DO4 DO4	1N1217A ▼ 1N2217 ▼ 307A ▼	DO1 S35 DO1	1N1581 ▼ 4JA411FC1802▼ 2042830-1 ▼	DO4 S26	1N1907 ▼ MR5 ▼	A86 DO4	
4JA411FC1802 Multiple-Unit Type	12		1N1052 1N2216 SM224	A73a DO4 DO4	1N1217A ▼ 1N2217 ▼ 307A ▼	DO1 S35 DO1	1N1907 ▼ 4JA411FC1AD1▼ 2042830-1 ▼	A86 S26	1N1581 ▼ MR5 ▼	DO4 DO4	
4JA3511AF1AD1#			see 322-1138P1								
4JA3511BF1AD1 Multiple-Unit Type	12		1N1116 ▼ 1N1564A ▼ 4JA411BB1AD2▼	DO4 C14	1N1117 ▼ 1N1566A ▼ HR10745 ▼	DO4 C14 DO1	1N1118 ▼ 1N1910 ▼ 307D ▼	DO4 A86 DO1	1N1542 ▼ 1N1911 ▼ WP5053D ▼	DO4 A86 S25	
4JB2C11	DO7	17	1N82 ▼ 4JB2C11 ▼	DO7	USA1N82A ▼ G7A ▼	DO7	1N147 SP750549B ▼		1N285		
4JB2D4		17	1N72 ▼ 1N132 ▼ G7A ▼ SP750549B ▼		1N82 ▼ 1N147 ▼ G7B ▼	DO7	1N82A ▼ 1N173A ▼ DC7C ▼	DO7	USA1N82A ▼ 4JCB2D4 ▼ 353-011600 #	DO7	
4SJ50	DO2	12	1N327 ▼ USAF1N648 TM62 ▼	DO2 A1	1N327A ▼ USAF1N649 ▼ TM65 ▼	DO2 A1	1N562 ▼ 1N689 ▼ 2268525 ▼	DO4 A1 A41	1N563 ▼ 1N2773 ▼	DO4 A40	
TD4SS-35 #			see 2321158P1								
TD4SS-36 #			see 2321158P2								
R4.7		13	1N1484 ▼ ZT4.7 766-1001-3 ▼	A34 S19	1N1519 ▼ Z4.7A ▼ PR804	DO3 DO3 A6	1N1519A ▼ 202-376 ▼ SV2005 ▼	DO3 S19a	1N1589A ▼ PR505 ▼	S4b	
MR5	DO4	12	1N1581 ▼ 1N2228 ▼ TM7 ▼ 2157095-1 ▼	DO4 DO4 DO4 S26	1N1582 ▼ 1N2229 ▼ SM224 ▼	DO4 DO4 DO4	1N1614 ▼ 1N2725 ▼ A19932-1 #	DO4	1N1917 ▼ 1N2750 ▼ 2042830-1 ▼	S82 S2b	
NL5	A6	12	1N536 ▼ 1N1252 ▼ 1N2091 ▼	DO3	1N1028 ▼ A53 ▼ M21 ▼	A73 A53 S35	1N1029 ▼ 1N2081 ▼ 40-16133 ▼	A73 A53 A6a	1N1251 ▼ 1N2090 ▼ DI505 ▼	A53 M21 A38b	
PS005	A46	12	1N316 ▼ 1N599A ▼ TM5 ▼	A53 DO1	1N316A ▼ 1N1028 ▼ 10J2 ▼	DO2 F22 DO3	JAN1N538 ▼ 1N1251 ▼ 40-16133 ▼	DO1 A53 A6a	1N599 ▼ NA2R ▼ 100988 #	DO1 S4b	
PS005A	A46	12	1D-10-7 # 1N599A 10J2 ▼	DO1 DO3	1N316A ▼ 1N1028 ▼ 40-16133 ▼	DO2 A73 A6a	1N323A ▼ 1N1251 ▼ DI505 ▼	DO2 A53 A38b	1N599 ▼ NA2R ▼ 100988 #	DO1 S4b	
PT-5		12	1N553 ▼ 1N1695 ▼ PS140 ▼ 575R428H10 ▼	DO4 DO3 A47 A47	1N1169 ▼ 1N2095 ▼ PS160 ▼ CEC4050 ▼	A34b M21 A47 A53	1N1169A ▼ SR40 ▼ PT540 ▼	A34b	1N1255 ▼ TK41 ▼ 575R428H09 ▼	A53 A47	
TM-5		12	1N324A ▼ 1N1251 ▼ NL5 ▼	DO4	1N339 ▼ A53 ▼ 40-16133 ▼	DO4 A53 A6a	1N536 ▼ 1N2090 ▼ DI505 ▼	DO3 A53 A38b	1N1028 ▼ NA2R ▼	A73	
SV-5		13	USN1N751AM ▼ 1N1928 ▼ SV1005 ▼ 2031178 ▼	A1	1N761 ▼ KZ4.8 ▼ HZ8147 ▼	DO7 A21c	1N1519A ▼ E48 ▼ L221821-1 ▼	DO3 A46 A8a	1N1589A ▼ SV122 ▼ 925251-13 ▼	A1	
05-900106 #			see USAF1N645								
HMP5A #			see 1N1255								

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TJ5A		12	1N316 1N2013 TM5	▼ A53	1N316A 1N3072 10J2	DO2	1N599 NA2R 40-16133	DO1 S4b A6a	1N846 TJ5A	▼ A21	
G5E	DO7	11	1N38 1N58 1N142	DQ7 DO7 A23a	1N38A 1N58A 1N290	DO3 DO7 DO7	1N38B 1N63 G63	DO7 DO7	JAN1N38B 1N63A	DO7 DO7	
S5G		11	1N208 1N386 1N542	▼ C1 DO7	1N209 1N387 S9G	▼ A62	1N210 1N388	C1	1N330 1N541 DRC81216	DO7	
T5G		11	1N98A 1N450 248C11536 488922-1	A23a DO7 A21	1N100A 1N451 DR317	A23a	1N143 1N634 DR336	A23a DO7	1N291 1N635 DR337	DO7	
MR5N	S4c	12	1N1341 1N2147 1N2492	▼ S35 DO4 BY402	1N1342B 1N2148 622827-2	S35 ▼ S35	1N1612 1N2148A	DO4 S35	1N1613A 1N2491	▼ DO4 DO4	
F6		11	1N145 1N456M HD6147	▼ A23a A2a	1N432B OA9 622827-2	C10a ▼ A1	1N449 T14G	DO7	1N456 FD325	DO7 A22	
HB6	C1	11	1N219 1N354 PD111 PD115	▼ C1 C1b A2 A2	1N220 1N1849 PD112 626C	C1 C1b A2 C3	1N221 1N1850 PD113 CK863A	C1 C1b A2	1N222 PD110 PD114	C1 A2 A2	
RS6	C1	13	1N469 1N762 ZS6	▼ C1 DO7	1N474 1N1929 ZT6	C1	1N706 1N2033	DO7 DO12	1N752 RT6	A1 C1	
S6		14	1N252 1N792 1N906	▼ A46 A1	1N625A 1N813 1N3067	DO7	1N789 1N813M 1N3068	A46 A2a	1N791 1N905 HD5004	A46 A1	
SV6		13	1N708 1N1509A PS6469A	A21	USN1N752A 1N1929 D615002-8	▼ A1 #	1N762 SV123 2031193	DO7 A1 ▼ A1	1N762A SV1006 8991178-6	DO7 ▼ A23	
HMP6A #			see 1N1256								
TD6F3A1A1 #			see 2031031								
TD6F3C1A1 #			see 2030957								
TD6F4B1A1 #			see 2002993								
TD6F5B1A1 #			see 2031030								
6F10	DO4	12	1N1342B 1N1613A BY704	DO4 ▼ DO4	1N1343B 1N1614A 720660-14	DO4 S35	1N1344B 6F10	▼ DO4	1N1345B KS602BA	▼ DO4	
6F50	DO4	12	1N1347 1N1348 1N2153A	▼ S26 S26 S35	1N1347A 1N1348A 1N2497	DO4 DO4 DO4	1N1347B 1N1348B		1N1347R 1N1616A	DO4 DO4	
TD6R1C1A1 #			see 2031751								
TD6S1C1A1		12	1N1058 1N1612 2030939	S67 DO4 ▼ A1	1N1064 1N2147 2031057	S66a ▼ S35 ▼ A1	1N1070 1N2228	S83a DO4	1N1341A CK775	▼ DO4 S29	
TD6S2C1A1		12	1N1582 322-1138P1 1847299	▼ DO4	NA17 CK846 2157095-1	▼ S26	RX106 B94327 7434819P1	DO4	SM223 1011973 7434819P2	DO4	
TD6S3B1A1		12	1N1086 1N2673 SB1-X-3	F17	1N1124 1N2705 TD12F2A1	DO4	1N1583 1N2728 2002993	DO4	IN2537 1N2753	S35	
Q7		17	S9G	▼	C231345	#					
RE7	A1	14	CO1 1N626M 1N925	▼ C1 A2a A46	1N195 1N812M 1N926	A2a A46 1N3668	1N251 1N814M 1N3668	DO7 DO7	1N626 1N814M TI251	A21 A2a A110	
TM7	DO4	12	1N1581 1N2229 SM224	S26 DO4 DO4	1N1582	DO4	1N1917	S82	IN2228 MR5	DO4 DO4	
WSTR7	C1	13	1JC7758-1 1Z5.8T5 CD3123	DO3 A23	2042830-1 1N709A PS6469A	DO4 DO7 DO7	2157095-1 1N762A SV124	S26 DO7	1N1485 SV1007	▼ A2	
G7A		17	1N72 4JB2D4	▼ A23	1N147 SP750549-13	▼	1N173A	DO7	1N285		
GZ7A	▼ A1	13	1N225A 1N1313A81 TI653C9 8991178-10	▼ C1 C1 C3 A23	1N430 1N1530A 979829-1	S20 C7 ▼ C7	1N430A SV128 2019622-1	S20 DO7 #	1N430B 653C9 8954883-2	S20 C7	
HMP7A #			see 1N1257								

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A7B	A21c	13	E48 TI651C2 SV1005 925251-13	▼ ▼/A ▼/A	A46	E88 TI651C4 SV2005 1617451-1	▼ C3 ▼/A C1	SV122 TI651C5 S/A466764	▼ ▼/A #	C3	PR505 766-1001-3 720670-14	▼ ▼/A ▼/A S4b S19 S11a
G7B		17	IN72 1N132 SP750549-13	▼		IN82 1N147	▼	IN82A G7A	▼ ▼		USA1N82A DC7C	▼ ▼ DO7
DC7C		17	1N132			DC7		DC7D				
G7E		17	D4200 D4240		F3 F3	D4210 D4250		F3 F3	D4220 D4260	F3 F3	D4230	F3
T7G	#		see 1N270									
CK7T5		12	1N1347 1N1615 1N2231	▼ ▼ ▼/A	S26 DO4 S35	1N1347A 1N1615R 1N2231A AM2005	▼ DO4 S35	1N1348 1N2230 6F50	▼ DO4 ▼/A	S26 DO4 DO4	1N1614 1N2230A 353-1529-00	DO4 DO4
ZA7.5A	C1	13	1N935 USN1N938B PS6313A	♦ ♦ ▼	DO7 A1	USN1N935B 1N939B 720670-71	♦ DO7 ▼/A	1N936B USN1N939B	▼ ♦	DO7 DO7	1N938B 1N1313A9V	▼ ▼ C1
MZ7.5T5	DO3	13	1N3112 SV1010	▼	A6	1N3017B	▼	OAZ225			1979832-5	▼/A A27
RE8	S19a	12	NA1 1N1907	▼ ▼	S4b A86	TM1 1N2026 4740CR	▼ DO4 ▼/A	1N1217A TM4	▼ ▼	DO1 DO4	1N1227A 4JA411FC1AD1	▼ S25
TM8		12	1N1341 1N1342 1N2491 1105445-10	▼ ▼ ▼ #	S26 S26 DO4	1N1341A 1N1612A 1N2566 1105445-21	▼ DO4 S35	1N1341B 1N2147 MR5N	▼ ▼	S35	1N1341RA 1N2147A SM314	▼ DO4 S35
VR8	#		see 16A-17									
8/6625	N46	11	1N303 PD129 ED2839	▼	A2	1N433 SG132 MP3512	▼ DO7 ▼/A	1N458 FD327 HD6007	▼ A21 A22 A21	A21	1N458M 755-800-283 5462286P2	▼ # ▼
8/7228		13	1N1369A USN1N2832B ZK60-1	▼ ♦ #	DO4 C5a	1N1831A 1N2999B 50M56ZR5	▼ DO4 ▼/A	1N1831RA 10M58ZR 755-402-092-1#	▼ DO4	DO4	1N2832B 10M62ZR AV8055	▼ # S11
8/7453		14	1N627 1N660M ED2854	▼ ▼ ▼/A	A21 A2a	1N627M 1N806 HD6573		A2a	1N628 1N806M HD6468	A21 A2a A21	1N628M 775-402108 617893-1	A2A # ▼ A21
8A4H52	#		see 1N303B									
TD8B4B1A2 Multiple-Unit Type		12	1E6 1N2222A 1N3759	A3c DO4 A38f	1N614 1N2223 SM180	▼ DO4 ▼/A	1N614A 1N2223A 2016730-1	▼ DO4 S35 A84	1N614A 1N2223A 2016730-1	DO4 S35 A84	1N2222 1N3191	DO4 A31a
S8G		11	1N527 170 1047273	▼/A	A22a	S5G 270	▼	9PA1			9GA1-36 DRC81216	▼/A
T8G		11	1N305 T9G	▼ ▼	A23a	1N307 DR213	▼	1N772 DR312	▼	DO7	1N773 DR313	DO7
MZ8.0T5		13	see 16A-17									
SV9		13	1/4M10Z5 16A-17 PS6945 L2211821-9	▼ ▼ # ▼/A	A21 A2a A8a	1N764 S128 111356C 8991178-10	▼ DO7 DO7 C1	1N1511A SV1011 2031189	▼ ▼/A A1	A1	1N2035 SV1012 L2088293-6	DO12 #
G9A16755		13	see USN1N751AM									
G9E		17	Q7	▼		C231-345	#					
S9G	A62	11	1N210 1N464M FD329	▼ ▼ ▼/A	C1 A2a A22	1N303 1N899 617981-2	▼ A2	1N388 1N1844 5462286P2	▼ C1b	C1b	1N464 8/6625	▼ N46
T9G		11	1N305 T8G	▼ ▼	A23a	1N307 DR213	▼	1N772 DR312	▼	DO7	1N773 DR313	DO7
G9P16660	#		see SZ554									
LPZ9.1A	#		see 8991179-4									
ZA9.5A	C1	13	1N962B MRA4 SV1016		DO7 TO39	USN1N962B MRA4A SV5020	▼ DO7 ▼/A	1N1314A9 .5V SV134 203161	▼ DO7 ▼/A	DO7	1N3519 PR616	DO7 A6
AHPZ10		13	see 4660207									
HPZ10		13	USN1N2808RB	▼/A	C5a	USN1N2808B	▼/A	C5a	50M10Z5	▼	TO3	4660207
RE10	A31	12	1N2773 1N3256 575R42848H10	▼ ▼ ▼/A	A40 A50a A47	1N2774 CEC8050	▼ A40a	1N2775 1N3752 SP230	▼ A40a #	A40a A38f	1N3196 PS160	A50 A47
SD10	C1	13	E5T50A105 484529-9	▼ ▼/A	A78a C1	E5T50B105		A78a	D744-995-10	#	AV2105	A19

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NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
WA10-2	C1	13	1JC7877H14 # 1N961B TI655C9 ▼ 2019600-8 □/A1	DO7 C3 SV1015	1N701 1N1314 ▼ SV1015 ▼		1N758A ▼ 1N3518 A99250-119 ▼	A1 DO7 A38d	USN1N758A ▼ SV133 111356B ▼	A1 DO7 C1	
PZT10A	A31a	13	1N177A ▼ 1N1523A ▼ PR615	A31 DO3 A6	1N1604A ▼ 1N2498A ▼ 720670-15 □/S11	DO4 DO4 S11	1N1744 1N3020B ▼ 2042354-2 #	A31a	1N1351A ▼ 10M10ZR5	DO4 DO4	
TJ10A		12	1N317A 1N677 ▼ 1N3073 ▼	DO2 A1 DO12	1N440 ▼ 1N1100 TM13 ▼	DO3 DO1 S27	1N530 1N847 SA101 ▼	DO2 A21 A62	1N600 ▼ 1N2014	DO1	
10J2	S43	12	1N249 ▼ USAF1N1200 1N1304 ▼ AM1010 ▼	DO5 S27	1N249R ▼ 1N1201 ▼ 1N1621 ▼ AG1012 ▼	DO4 S27 S43 DO4	1N250 ▼ 1N1202 ▼ TR151 ▼	DO5 S27	1N1200 ▼ 1N1202A ▼	S27 DO4	
WZA10A #			see 2017289-1								
C10F #			see 2262669-2								
10M10Z2 #			see 2157086-4								
10M10Z10 #			see 2157086-2								
10M10ZR5 Reverse Polarity Type	DO4	13	When replacing 10M20ZR5, observe proper polarity 1N1604A ▼ USN1N2808B □/C5a	DO4 C5a	1N1743		IN2045A		1N2498A ▼	DO4	
10M12Z5 #			see 956442-501								
10M12Z10	DO4	13	1N1353 ▼ 1N1605A ▼ 1N2976A	DO4 DO4 DO4	1N1353A ▼ 1N1893 2168900 ▼	DO4 DO4 DO4	1N1417 ▼ 1N2500	S19a	1N1605 1N2500C	DO4	
10M15Z10 #			see 2157086-3								
10M17Z5	S28	13	1N2047C		MZ17BBA	DO4	SV2022 ▼		D615003-313 #		
10M20ZR5 Reverse Polarity Type	DO4	13	1N1358A ▼ USN1N2818RB □/C5a 925251-9 □/DO4	DO4 C5a DO4	1N1820A ▼ USA1N2984B ▼ 925251-11 □/DO4	DO4 DO4 DO4	1N2048C ▼ 50M20Z5 ▼ When replacing 10M10ZR5, observe proper polarity		1N2818B ▼ SV2025 ▼	C5a	
10M25Z5	S28	13	1N2049C 50M25Z5 ▼ D615003-314 #	TO3	1N2820B ▼ PR546 925251-11 □/DO4	C5a S4b 1979827-4 ▼	IN2820RB ▼ AV8025 1979827-4 ▼	C5a S11 S4c	MZ25BBA 925251-10 □/DO4	DO4	
10M25Z10	S28	13	1N1360A 1N2986B ▼ 8950230-32 ▼ S28	DO4 DO4 S28	1N1822A ▼ PR425	DO4 DO4	USN1N2820B ▲ S21c SV2045 ▼	C5a	1N2821A SV2160 ▼	C5a DO4	
10M27ZB1 #			see 2S1-10M27Z1								
10M30Z	DO4	13	1N1362 ▼ 1N1824C ▼ 615003-6 □/DO4	DO4	1N1362A ▼ 1N2989	DO4 DO4	1N1824 ▼ 1N2989A	S19a DO4	1N1824A ▼ 1N2989B ▼	DO4	
10M39Z5	DO4	13	1N1365A ▼ 1N2992B ▼	DO4 DO4	USN1N2826B ▲ 50M39Z5 ▼	C5a TO3	1N1827A ▼ AV8038	DO4 S11	IN2826B ▼	C5a	
10M50ZR5 Reverse Polarity Type	DO4	13	When replacing 10M50ZR5, observe proper polarity 1N1368A ▼ USN1N2831B ▲ C5a	DO4 C5a	1N1830A ▼ 1N2961	DO4 DO4	1N2831B ▼ 1N2997B	C5a DO4	1N1368RA ▼ IN2830B ▼ MZ50BBA	DO4 C5a DO4	
10M58ZR #			see 8-7228								
10M62Z5	DO4	13	1N1370A ▼ AV8060	DO4 S11	1N1832A ▼ AV8061	DO4 DO4	USN1N2833B ▲ S11	C5a	1N3000B ▼	DO4	
10M62ZR #			see 8-7228								
10M82ZR5 Reverse Polarity Type	DO4	13	When replacing 10M82ZR5, observe proper polarity 1N1373A ▼ AV8080 615003-308 □/DO4	DO4 S11 615003-308 □/DO4	1N1835A ▼ AV8081	DO4 S11	USN1N2836B ▲ 615003-8 □/DO4	C5a	1N3003B ▼ D615003-208 #	DO4	
10M87.5ZB2	DO4	13	1N1374A AV8087	DO4 S11	1N1836A ▼ AV8088	DO4 S11	1N3004B ▼ 617941-1 #	DO4	AV8086	S11	
10M100Z5	DO4	13	1N1375A ▼ 1N3005B ▼ 615003-309 □/DO4	DO4 DO4 615003-309 □/DO4	1N1423 ▼ SZ554 □/DO4 IN3005RB ▼	DO4 S4b DO4	1N2008A ▼ AC052858A ▼	DO4 DO4	1N2838B ▼ 615003-9 □/DO4	C5a	
10M105Z5	S28	13	50M105Z2 ▼	TO3	MZ105BB		AV8105	S11			
10M105ZR5 Reverse Polarity Type	S28	13	When replacing 10M105ZR5, observe proper polarity 50M105Z2 ▼	TO3	MZ105BB		AV8105	S11			
10M150Z5	DO4	13	1N2012A		1N2843B ▼	C5a	USN1N2843B ▲ C5a	1N3011B ▼		DO4	
10M200Z5	DO4	13	1N2846B AV8200	C5a S11	USN1N2846B ▲ AV8200	C5a	1N3015B ▼	DO4	AV8195	S11	
10M200ZR5 Reverse Polarity Type	DO4	13	When replacing 10M200ZR5, observe proper polarity 1N2846RB ▼ C5a								
10Z5.6A #			see 8991180-1								
10Z6.2T5		13	1N1483 202-447	S19a	IN1804A ▼ PR507	S11 S4b	IN2042B SV2007 ▼		IN2043A 666137-234 □/DO4		
10Z7.5V25 #			see 720670-56								
10Z10T2 #			see 436938								

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♦ - PREFERRED TYPE - MIL-STD 701

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
10Z18T2 #			see 436939								
10Z30D10 #			see 1079542								
11-750-02-984	C5a	13	USN1N2844B ♦	C5a	50M75ZB2 #						
11-750-02-987#			see 2X2-50M75ZSP,		2X2-50M75Z						
11-750-03-067#			see 50M12Z5								
11-750-03-133#			see 50M25Z5								
11-750-03-605	C5a	13	50M75Z02 #								
NA11	S4b	12	1N347 ▼	DO4	1N1115 ▼	DO4	USN1N1124A ♦	DO4	1N1538 ▼	DO4	
			1N1582 ▼	DO4	1N1908 ▼	A86	1N2536 ▼	S35	TM11 ▼		
			C202-356 ▼	DO4	910D19-5 ▼	S4b	2157095-1 ▼	S26			
SV11		13	1N765 ▼	DO7	1N714 ▼	DO7	1N1512A ▼		IN1932		
			1N2036 ▼	DO12	SV133 ▼	DO7	SV910 ▼		A99250-119 ▼	A38d	
			2019600-8 ▼	A1	8950133-1 ▼	A27					
TM11		12	1N347 ▼	DO4	1N1115 ▼	DO4	1N1538 ▼	DO4	1N1582 ▼	DO4	
			1N1908 ▼	A86	1N2536 ▼	S35	NA11 ▼	S4b	C202-356 ▼		
			910D19-5 ▼	S4b	1980415 ▼	S19	2157095-1 ▼	S26		DO4	
Z12	C18a	13	1N716A ▼	DO7	1N759A ▼	A46	USN1N759A ▼	A1	USN1N963B ▼	DO7	
			1N963B ▼	DO7	1N1513A ▼		1N3520	A1	SV135 ▼	DO7	
			575R786H02 ▼	A23	615010-10 ▼	A1					
WA12-2	A27	13	1JC7877H12 #	DO7	1N766A ▼	DO7	1N964A ▼	DO7	USN1N964B ▼	DO7	
			1N3521 ▼		SV136 ▼	DO7	SV1018 ▼		720670-73 ▼	A46	
			2019599-12 ▼								
ZA12-3	C1	13	1N3023B ▼	A31a	322-1167-P10 ▼	A31	SV1018 ▼		SV4012A		
			615010-13 ▼	A31	D620385-12 #		D620385-13 #		2019599-12 ▼	A45	
LPZ12A	A31a	13	1M12Z5 #	DO3	1N1353A ▼	DO4	1N1417 ▼		IN1426 ▼		
			1N1524A ▼	DO3	1N1605A ▼	DO4	1N2046A ▼		IN1426 ▼		
			PZT12A ▼	A31a	956442-501 ▼	DO4	1060472-2 ▼	A31	1N2500A ▼	DO4	
PZT12A	A31a	13	1N1353A ▼	DO4	1N1417 ▼		1N1426 ▼		1N1524A ▼	DO3	
			1N1605A ▼	DO4	1N2046A ▼		1N2500A ▼		1N2976B ▼	DO4	
			LPZ12A ▼	A31a	956442-501 ▼		1060472-2 ▼	A31	2042354-3 #		
TD12B0B3A1		12	IN1058	S67	1N1064	S66a	1N1070	S83a	IN1341	S26	
Multiple-Unit Type			IN1341A ▼	DO4	1N1341B ▼		1N2491 ▼	DO4	CK775 ▼	S29	
			2030939 ▼		2031057 ▼						
TD12F2A1/IN253		12	1N1125 ▼	DO4	1N1126 ▼	DO4	1N1126A ▼		USN1N1126AM	DO4	
Multiple-Unit Type			1N1128 ▼	DO4	1N1128A ▼		1N1587 ▼	DO4	IN2681		
			1N2734 ▼		1N2746 ▼		1N2759 ▼		USN1N3649M	DO4	
			TM37 ▼	DO4	322-1129P1 #		CK848 ▼				
TD12F4A1A2		12	1N445B ▼	DO3	1N614 ▼	DO4	1N614A ▼	DO4	1N1096 ▼	DO3	
Multiple-Unit Type			1N1492 ▼	DO3	1N2071 ▼	A3c	1N3280 ▼	A38f	1N3476 ▼	A66	
			152-012 ▼	A3c	152-048 ▼	DO3	2094056 ▼	A84			
T12G		11	1N98A	A23a	1N100 ▼	A21	1N117A	A23a	1N141 ▼	A23a	
			1N289	DO7	T3G ▼		T12				
			S142G ▼	DR207			S423G ▼	DO7	ED1837		
BB12K4F	DO4	12	1N1124 ▼	DO4	1N1125 ▼	DO4	1N1126 ▼	DO4	1N1126A ▼		
Multiple-Unit Type			1N1128 ▼	DO4	1N1910 ▼	A86	1N2518 ▼	S35	1N2536 ▼	S35	
			1N2537 ▼	S35	1N2547 ▼	S35	RX106 ▼	DO4	AX126 ▼	DO4	
			A94327 ▼		625014-399 #						
TD12R1C2A1 #			see 2031154								
12R3C2A1		12	1N1347 ▼	S26	1N1347A ▼	DO4	1N1615 ▼	DO4	IN2694		
Multiple-Unit Type			6F50 ▼	DO4	CK7T5 ▼		508C581H31 ▼		575R570HO1 ▼	S19a	
			CK776 ▼	S29	AM2005 ▼		A100583 ▼	DO4			
AZ13	C1	13	1N235	C1b	1N979B ▼	DO7	USN1N979B ▼	DO7	IN1323 ▼	C1	
			1N1941		1N1968 ▼		1N1995		575R743H11 ▼	A27	
			CD3169 ▼								
TM13		12	1N317A	DO2	1N440 ▼	DO3	1N530	DO2	1N600 ▼	DO1	
			1N677 ▼	A1	1N847 ▼	A21	1N1100	DO1	1N2014 ▼		
			1N3073 ▼	DO12	TJ10A ▼		TM13 ▼		SA101 ▼	A62	
13-100128-21 #			see 1N21C, 13-112062								
13-112062	P3	15	1N21C ▼	P3	JAN1N21C	P3	1N21CM ▼	P3	1N21D ▼	P3	
			1N21E ▼	P3	1N21WE	P3a	JAN1N21WE ▼	P3	1N416C ▼	P3a	
			1N416D ▼	P3a	1N416E	P3a	1N831 ▼	A1	13-100128-21 #		
LPZ13A #			see 8991179-8								
T13G	A62	11	1N432B	A22	1N456 ▼	DO7	1N465M	A2a	PD131	A2	
			FD325	A21	ED2822		ED2837		HD6005	A21	
			HD6764 ▼		622827-2 ▼	A1					
SJ14		12	1N333 ▼	DO4	1N362 ▼	DO2	1N362A	DO2	1N363 ▼	DO2	
			1N685 ▼	A1	1N1704 ▼	A53	1N860	A21	1N872 ▼		
			S322MR023P001 ▼		SA1776 ▼		461049-5 ▼	A1	1679527 ▼	A53	

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T14G		11	1N432B T14 HD6158	▼	1N456 PD131 622827-2	▼	DO7 A2 A1	1N456M FD325	A2a A22	1N482AM HD6005	A2a A21
PS015	A46	12	1N1318A 1N560 1N1101	▼	DO2 DO3 1N602 1N1103	▼	DO2 DO1 DO1	1N535 1N602A PS060	DO2 DO1 A46	1N547 1N606	▼ DO1
R15		13	1N1354A DZR15G1 # 2157086-5	▼	DO4 322-1167-P10	▼	A31	1N2046B SV2018	DO4	1N3023B 615010-13	▼ A31
SV15	#		see USN1N965B, 353-2594-00								
ZA15-2	C1	13	1N228 1N1514A 111356D	▼	C1 1N718A 1N2038 449337-3	▼	DO7 DO12 C1	1N1316 SV138 2019611-1	C1 C1	1N1316A15V 353-2563-00 2031180	▼ A1 ▼
LPZ15A	A31a	13	1N1355A 1N1595A 1M15Z5 A8991179-9	▼	DO4 DO4 1N1418 1N1606A	▼	DO4	1N1427 1N1775A PR620	A31 A6	1N1525A 1N3024B 2157094-2	▼ A31a C12
DZR15G1	#		see R15								
SK16	A84	12	1N440B 1N1487 1N2859 2157083-1	▼	DO3 DO3 DO2 A34a	▼	DO3 A53 A111	1N538 1N1692 SD91A	DO1 DO3 DO3	1N1439 IN2610 576R570H01	▼ A31a S19a
16A-17		13	1N1425 1N3018B PR511	▼	A31a S4b PR611	▼	1N1511A VR8 A6	1N1522A MZ8.0T5 SV1011	DO3	1N2044A 69-2371 PRS2025	#
16A-22		12	1N332 USAF1N646 1N1169 167384	▼	DO4 A1 A34b ▼	▼	1N334 USAF1N647 A1 1N1254	▼ DO4 A1 A53	DO4	1N343 1N1033 TM32	▼ A73
16A-27		14	1N661AM AM709 DR833		A2a DO7	1N661M AM709A CSD2314	A2a DO7 A21	CODI169 AM722 CSD2317	DO7 A21	SG218 AM722A	# DO7
16A-40	A36	12	1N3637 CER72		A111 A36	7E90 CER72F	A111 F29	SM180	▼	A84	16A-43
16A-43	#		see 16A-40								
NA17		12	1N1124 NA27	▼	DO4	USN1N1124A RX106 CK847	▼ DO4 ▼	1N1582 B94327	▼ DO4 DO4	1N1583 SM223 2157095-1	▼ DO4 DO4 ▼
G18	#		see 1N482A, 1N483A								
SV18		13	1N768 SV143 D615002-10	▼	DO7 DO7	1N768A SV224 720670-65	▼ DO7 ▼	1N2039 SV1024 8950184-1	DO12 S19a	1N2048 HZ8155	DO4
A20	C3	11	1N303 8/6625 A72197	▼	N46	1N464 FD329 925008-4	▼ A22 ▼	A21 1N464M TI618C 5462286P2	A2a C3	1N1846	C1b
FBL-00-020	#		see 4JA411DX184								
SD20	C1	11	1N302A CK863A 1249959-11	▼	A22	1N459 ED2840	▼ A21	1N459M MQ4551	▼ A2	1N1849 HD6008	C1b A21
WA20-2	#		see 1JC7877H11								
ZA20-2	#		see 1N1317A								
TJ20A		12	1N333 1N604 TM23 617834-12	▼	DO4 DO1 TJ25A	1N335 1N685 ▼	DO4 A1 ▼	1N342 1N1101 SA301	DO4 A62	1N443 TL21 180653	▼ A1
T20G		11	1N98 T3G S142G	▼	DO7	1N99A T12G	▼ A23a	1N100 T18 S423G	▼ DO7	1N141 T20	A23a
TL21		12	1N333 1N604 TM23 617834-12	▼	DO4 DO1 A38	1N335 1N678 TJ25A	▼ A1 ▼	1N342 1N685 SA301	DO4 A62	1N443 A1 180653	▼ A1
TM21		12	1N1116 SM2 TM24 2350343-1	▼	DO4 DO4	1N1117 TM34	▼ DO4	1N1564A BY114	C14 DO2	1N1910 HR10745	▼ A86
NA22	S4b	12	1N332 1N345 1778936	▼	DO4 DO4 A1	1N334 USAF1N646 PS420	▼ DO4 A46	1N341 USN1N1124A 180653	DO4 DO4 A1	1N343 1N1254 617834-12	▼ A53 A38

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SG22		13	1N816 1N913 G130	▼ A1	DO7 DXX766-1001-1 S19	1N912 1N913A 99250-102	▼ A1	DO7 A2a A1	1N912M TMD20	A2a		
TL22		12	1N332 1N1254 617834-12	▼ A53 A38	DO4 NA22 1778936	DO4 S4b A1	1N343 PS420	▼ A1 A46	USAF1N646 180653	▼ A1 A1		
W22	#		see 576R124HO1									
PZT22A	A31a	13	1N1359A 1N1608A USN1N2819B	▼ DO4 C5a	1N1420 1N1821A USA1N2985B	▼ DO4 DO4	1N1429 1N1880A PR644	▼ A6	1N1527A 1N2049A 2042354-6	▼ #	DO3	
T22G		11	1N138B 1N497 HD6147	▼ ▼ ▼	C1b DO7 617833-2	DO7 FD325 #	1N456 910D59-3 622827-2	▼ DO7 DO7 A1	1N456M ED2837	▼	A2a	
SR23	D05	12	USAF1N595 1N2133A 1N2432	▼ S21 DO8	USA1N1401 1N2135A 4JA60D	▼ S21 ▼	1N2132 1N2430	S21a DO8	1N2132A 1N2431	S21 DO8		
TM23		12	1N333 1N604 TL21	▼ ▼ ▼	DO4 DO1 TJ25A	DO4 1N685 ▼	1N342 A1 SA301	DO4 A1 A62	1N443 1N1101 180653	▼ ▼ ▼	DO3 A1	
NA24	#		see 3642CR									
SV24		13	1N668 1N1527A SV1033	▼ ▼ ▼	DO3 P69867	DO7 P69867	1N969B SV168 #	DO7 DO7 #	1N1516A DXX766-1000-4 1014875	▼ ▼ #		
TM24		12	1N1116 1N2027 TM21 HR10745	▼ ▼ ▼ ▼	DO4 S4b 2350343-1	DO4 SM2 ▼	1N1564A DO4 TM34	C14 ▼	1N1910 BY114	▼ ▼	A86 DO2	
LPZ24A	#		see 8991179-14									
TM24R Rev.Pol.Type	12		1N1116	▼	DO4	1N1117	▼	DO4	1N1564A	▼	C14	
MZ24T5		13	1N1360RA 1N3029B SV2045 8991179-14	▼ ▼ ▼ ▼	DO4 A31a SV2160	DO4 DO3 DO4	USN1N2820B 1Z24T5 1979945-1	▼ C5a A6 DO3	1N2986B SV1034 8950230-32	▼ ▼ ▼	DO4 S28	
ZA25-2	C1	13	1N230 1N1318A-22V SV168 2030318	▼ ▼ ▼ ▼	C1 1N1516A DO7 A1	1N668 1N1527A DO7	USN1N969B 1N1527A HZ8156	▼ DO3 DO7	1N1318 IN1880A 449337-10	▼ ▼ #	C1	
ZA25-3	C1	13	1N1318B AV2025 D602385-23	# A19 #	DO4 AV4025 D602385-24	S10	SV171 AV8025 D602385-25	DO7 S11 #	SV1035 D602385-21 1979827-4	▼ # ▼	S4c	
TJ25A		12	1N333 1N444 1N685 PS674	▼ ▼ ▼ ▼	DO4 DO3 A1 TJ40A	DO4 DO4 DO4	1N342 1N540 SA301	DO4 DO1 A62	1N443 1N604 TL41	▼ ▼ ▼	DO3 DO1	
25H5	S21a	12	1N411B 1N2426 10616	▼ ▼ ▼	S54 DO8 N29	1N412B IN2427 1877879	S54 DO8 ▼	1N2128 25HR5	S21a M38	1N2128A 25H10	▼ ▼	S21 S21a
25H10	S21a	12	1N413B 1N2435 25H40	▼ ▼ ▼	S54 DO8 S21a	1N2429 25H15 25H50	DO8 S21a S21a	1N2430 25H20 395B842P3R	DO8 S21a N25	1N2431 25H30	▼ ▼	S21a
25H15	S21a	12	1N413B 1N2435 25H50	▼ ▼ ▼	S54 DO8 S21a	1N2429 25H20 45M15	DO8 S21a S8a	1N2430 25H30 395B842P3R	DO8 S21a N25	1N2431 25H40	▼ ▼	S21a
25H20	S21a	12	1N413B 1N2433 25H50	▼ ▼ ▼	S54 DO8 S21a	1N2429 1N2435 395B842P3R	DO8 DO8 N25	1N2430 25H30	DO8 S21a	1N2431 25H40	▼ ▼	S21a
25H30	S21a	12	1N2431 25H50 CH116E	▼ ▼ ▼	DO8 S21a DO5	1N2433 SLA40 B540	DO8 M38b M38	1N2435 SLA50	DO8 M38b	25H40 CH116D	▼ ▼	S21a D05
25H40	S21a	12	1N2433 SLA50	▼ ▼	DO8 M38b	1N2435 CH116D	DO8 DO5	25H50 CH116E	S21a DO5	SLA40 M38b	▼ ▼	
25H50	S21a	12	1N2434	▼	DO8	1N2435	DO8	SLA50	M38b	CH116E	DO5	
25HR5	M38	12	1N411B 1N2426 10616	▼ ▼ ▼	S54 DO8 N29	1N412B 1N2427 1877879	S54 DO8 ▼	1N2128 25H5	S21a S21a	1N2128A 25H10	▼ ▼	S21 S21a
NA27		12	1N1124 1N1126A	▼ ▼	DO4	USN1N1124A 1N1128 TM37	DO4 DO4 DO4	1N1125 1N1583 CK847	DO4 DO4 DO4	1N1126 1N1587 CK848	▼ ▼ ▼	DO4 DO4
LPZ27A	#		see 8991179-15									

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♦ — PREFERRED TYPE — MIL-STD 701

— ALTERNATE PART No. — TECH. DATA LISTED FOR REFERENCED PART No.

1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
TM27R	DO4	12	1N1124R	▼	DO4						
Reverse Polarity Type			see NA27 for Replacement Types. Observe Proper Polarity.								
ZA30	#		see 1N1319								
WA30-2	#		see 1JC7877H15								
ZA30-2	#		see 1N1319A								
LPZ30A	#		see USN1N3031B, 6250	3-074							
WZA30A	#		see 1JC7877H22								
30M	#		see 16A-22								
TL32		12	1N327	▼	DO2	1N332	▼	DO4	1N334	▼	DO4
			1N343	▼	DO4	1N540	▼	DO1	USAF1N646	▼	A1
			1N673	▼		1N1033	▼	A73	1N1169	▼	A34b
			TM32	▼		167384	▼	A1		1N1254	▼
									USAF1N647	▼	A1
TM32		12	1N322	▼	DO4	1N327	▼	DO2	1N334	▼	DO4
			1N343	▼	DO4	USAF1N646	▼	A1	1N673	▼	A53
			1N1033	▼		1N1169	▼	A34b	1N1254	▼	
									167384	▼	
TM34		12	1N1117	▼	DO4	1N1118	▼	DO4	1N1223	▼	DO1
			1N1233	▼		S25	▼		1N1566A	▼	C14
			1N1911	▼		A86	▼			1N1224	▼
			426-10001	▼					1N1910	▼	DO1
									307H	▼	
SSD-34-57	#		see SA201, SA301								
C35A		12	2N683	S18		2N683/C35A	▼	S18	2N683A		S18
			2N686	▼		2N687	▼	S18	2N689	▼	S18
			2N1844			TO48	2N1845		TO48	16RCF10A	▼
			TCR1020								
C35F		12	2N682	S18		2N683/C35A	▼	S18	USN2N682	▼	S18
			USN2N685	▼		S18	2N686	▼	S18	JAN2N684M	▼
			2N1844			TO48	2N1844B	▼	TO48	2N1843B	▼
									S18	C35A	▼
C35G		12	2N684	▼		S18	2N684A		S18	2N686	▼
			2N686A	S18		S18	2N687	▼	S18	2N1845	
			2N1845B	S18		S18	2N1846B	S18	S18	2N1846	
			2N1847B	S18		S18	16RCF15A	S18	S18	2N1847	
									S18	TCR1520	
C35U		12	2N681	S18		2N681A		S18	2N682		S18
			2N683	S18		2N1842		TO48	2N1842B		S18
			2N1843B	S18		2N1844		TO48	2N1844B		TO48
			16RCF10A	S18							S18
C36F	#		see 2353315-002								
TM37	DO4	12	1N1125	▼	DO4	1N1126	▼	DO4	1N1126A	▼	DO4
			1N1128	▼	DO4	1N1128A	▼		1N1587	▼	DO4
			USN1N3649M			CK848	▼			USN1N1126AM	DO4
									1N1586		
NL40	A6	12	1N540	▼	DO1	1N553	▼	DO4	1N1169	▼	A34b
			1N1255	▼	A53	1N1695	▼	DO3	1N2095	▼	M21
			TK41	▼		PS140	▼	A47	PT540	▼	SR40
			575R428H09	▼		575R428H10	▼	A47	CEC4050	▼	PS160
											A47
SR40		12	1N553	▼	DO4	1N1169	▼	A34b	1N1169A	▼	A34b
			1N1695	▼	DO3	1N2095	▼	M21	TK41	▼	1N1255
			PS160	▼	A47	PT540	▼		575R428H09	▼	PS140
			CEC4050	▼							A47
ZA40	#		see 1N1320								
TJ40A		12	1N256	▼	DO4	1N333	▼	DO4	1N342	▼	DO4
			1N444	▼	DO3	1N534	▼	DO4	1N604	▼	DO1
			1N605A	▼	DO1	1N685	▼	A1	1N2020	▼	TL41
			D617834-16	#							
W40A	S20	13	1N2770	A48E		1N2770A		A48E	2JC2479	#	S1345
			AV2040	A19		AV2043		A19	AV4040		S10
			AV8040	S11		AV8043		S11	CO-121456A	▼	C1
40H1	A6	12	1N443B	▼	DO3	1N444B	▼	DO3	1N540	▼	DO4
			1N612A	▼	DO4	1N1095	▼	DO3	1N1096	▼	DO3
			1N1492	▼	DO3	1N2070	▼	A3c	1N3194	▼	A50
			CE78806	#							A38f
40-16133	A6a	12	1N324A	▼	DO4	1N339	▼	DO4	1N1028	▼	A73
			1N2080	A53		1N2090		M21	NA2R	▼	DO4
			TM-5	▼		DI505	▼	A38b	1N536	▼	DO3
TK41		12	1N553	▼	DO4	1N1169	▼	A34b	1N1169A	▼	A34b
			1N1695	▼	DO3	1N2095	▼	M21	SR40	▼	1N1255
			PS160	▼	A47	PT540	▼		575R428H09	▼	PS140
			CEC4050	▼							A47

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IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.					
TL41		12	IN256 IN444 IN605A	▼ ▼ ▼	DO4 DO3 DO1	IN333 IN534 IN685	▼ ▼ ▼	DO4 DO4 A1	IN342 IN604 TJ40A	▼ ▼ ▼	DO4 DO1 C14	IN443 IN605 IN1566A	▼ ▼ C14	DO3 DO1	
TM41		12	IN1118 USN1N3190 TM51 2042174-4	▼ ▼♦ ▼ ▼	DO4 A31a 232-1127P3 N2	IN1415 #	▼		IN1566 2016730-1	▼	C14 A84	IN1566A TM44 2016730-2	▼ ▼	C14 A84	
W41	#		see 2016730-2												
TM42R		12	see IN322 for Replacement Types. Observe Proper Polarity.												
Reverse Polarity Type															
SZ44	#		see 50M												
TM44		12	IN1118 USN1N3190 TM51 2042174-4	▼ ▼♦ ▼ ▼	DO4 A31a 232-1127P3 N2	IN1415 #	▼		IN1566 2016730-1	▼	C14 A84	IN2029 TM41 2016730-2	▼ ▼	S4b A84	
(B) 44B251461-008/S8b	12		IN1276 IN1297 IN3269	▼ ▼ ▼	S14c S8e S14g	IN1277 IN1665 W427	▼ ▼ #	S14c S14d S27	IN1286 IN1666 IN1195	▼ ▼ ▼	S14g S14d S29	IN1296 IN3268	▼ ▼	S8e S14g	
(C) 44C250281-004/S19a	12		IN250B IN1202A 303F	▼ ▼ ▼	DO4 S29 304D	IN1203 IN2590 304D	▼ ▼ ▼	S29 S27 S27	IN1202 IN2590 WN5091E	▼ ▼ ▼	S35 S29	USAF1N1202 303D	▼ ▼	S27 S29	
45L15	S8	12	IN1273 IN1283 IN1295 45L40	▼ ▼ ▼ ▼	S14c S14g S8e S8	IN1274 IN1284 IN1662 45P15	▼ ▼ ▼ ▼	S14g S14g S14d S8a	IN1275 IN1293 IN3086 S8a	▼ ▼ ▼ #	S14c S8e S8 S8a	IN1276 IN1294 IN3087	▼ ▼ ▼	S14c S8E S8	
45M15	S8a	12	IN1273 IN1283 IN1295 45L40	▼ ▼ ▼ ▼	S14c S14g S8e S8	IN3087 IN1284 IN1662 45P15	▼ ▼ ▼ ▼	S8 S14g S14d S8a	IN1275 IN1293 IN3086 66-2978	▼ ▼ ▼ #	S14c S8e S8 S8a	IN1276 IN1294 IN1274 S322-1168P1	▼ ▼ ▼ #	S14c S8E S14g	
45L40	S8	12	IN1276 IN1296 IN1666	▼ ▼ ▼	S14c S8e S14d	IN1277 IN1297 IN1462	▼ ▼ ▼	S14c S8E S14d	IN1286 IN1469	▼ ▼	S14g M56a	IN1287 M56a	▼ ▼	S14g S14d	
45M5	S8a	12	IN1272 IN1291 IN3260	▼ ▼ ▼	S14c S8e S14g	IN1271 IN1660 45P5	▼ ▼ ▼	S14c S14d S8a	IN1282 IN1661 322B	▼ ▼ ▼	S14g S14d S8e	IN1281 IN3085 326B	▼ ▼ ▼	S14g S8 S14g	
TD45S119	#		see 2031057												
Q46	□	11	IN273 1N499 C202-321	▼ ▼ ▼	DO7 DO7 A1	IN281 IN500 S322-10002P1#	▼ ▼ ▼	DO7 DO7 CTP462	IN452 IN774 A21	▼ ▼ ▼	DO7 DO7 527758	IN498 IN775 527758	▼ ▼ ▼	DO7 DO7	
Multiple-Unit Type															
P46A6314	□	N55	1N1187 1N1189 1N1461	▼ ▼ ▼	S29 S29 M56	USAF1N1187 IN1190 IN1682	▼ ▼ ▼	S29 S29 1N2282	IN1188 USAF1N1190 DO4	▼ ▼ ▼	S29 S29 DO4	USAF1N1188 IN1460 302F	▼ ▼ ▼	S29 M56 S29	
TM47	DO4	12	IN1126 IN1127A IN1587	▼ ▼ ▼	DO4 DO4	IN1126A IN1128	▼ ▼	DO4	USN1N1126AM IN1128A	▼ ▼	DO4	IN1127 IN1585	▼ ▼	DO4 DO4	
E48	A46	13	USN1N751AM E88 SV1005	▼♦ ▼ ▼	A1 A1	IN3511 PR505 SV2005	▼ ▼ ▼	DO7 S4b	I25-1T5 766-1001-3 720670-14	▼ ▼ ▼	DO3 S19 S11a	3Z5.1T5 PR605	▼ ▼ ▼	A6	
48C847274	#		see HD2149												
48C873103	#		see 1N443												
48C873105-1	#		see 1N443												
48C873105-2	#		see 1N444												
48C873105-3	A6	12	IN442 IN648TH DI649		A54 A38b	IN552 IN649TH DI650		DO4 A54 A38b	IN646TH 48K873877 167384	▼ # ▼	A54 A1	IN647TH DI648	▼ ▼	A54 A38b	
48K873239	#		see 1N444												
48K873877	#		see 48C873105-3												
AB49D.400	#		see 400E												
AB49D.410A	#		see 410A												
MR50	#		see A19932-7												
C50C	#		see 720699-110												
50M		12	IN1697 IN3256 575R428H09	DO3 A50a ▼	A47	IN2095 RE10 575R428H10	▼ ▼ ▼	M21 A47	IN2773 SZ44 CEC8050	▼ # ▼	A40	IN3196 PS160	▼ ▼	A50 A47	
50M10Z5	TO3	13	USN1N2808B	▼♦	C5a	USN1N2810B	▼♦	C5a	11-750-03-067#			436048	▼		
50M12Z5	TO3	13	IN2810B	▼	C5a	USN1N2810B	▼♦	C5a							
50M14Z5	TO3	13	IN2812		C5a										
50M15Z5	TO3	13	IN2813B	♦	C5a	IN2813RB	▼	C5a							
50M20Z5	TO3	13	IN2818B	▼	C5a	USN2818RB	▼♦	C5a							

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50M20Z10	TO3	13	1N2818A 50M20Z5	C5a ▼ TO3	1N2818B 250ZE20	C5a ▼	USN1N2818B S83	C5a	USN1N2818B	♦	C5a
50M22ZR5	TO3	13	USN1N2819B	♦	C5a						
50M25Z	TO3	13	USN1N2819B 50224F	♦ S21c	1N2821	C5a	1N3322	DO5	50M25Z5	▼	TO3
50M25Z5	TO3	13	1N2821B	#	1N2820B	C5a	11-750-03-133#				
50M27Z5	TO3	13	USN1N2822B	♦	C5a						
50M33Z5	TO3	13	1N2824B	▼	C5a						
50M39Z5	TO3	13	1N2826B	▼	C5a	USN1N2826B	♦	C5a			
50M40Z5C5	TO3	13	1N2826B	▼	C5a	USN1N2826B	♦	C5a	50M39Z5	▼	TO3 128-1001-15 #
50M45Z10	TO3	13	1N2827B	▼	C5a	USN1N2827B	♦	C5a	1N2828A	C5a	720670-70 □ C5a
50M56ZR5	TO3	13	1N2832B	▼	C5a	USN1N2832B	♦	C5a			
Reverse Polarity Type											
50M75ZB2	#		see 11-750-02-984								
50M75ZD2	#		see 11-750-03-505								
50M100Z	TO3	13	1N2837A USN1N2838B	DO4 ♦ C5a	1N2838 1N3340	C5a DO5	1N2838A 50Z100F	C5a S21c	1N2838B	▼	C5a
50M105Z2	TO3	13	1N2838B	▼	C5a	USN1N2838B	♦	C5a			
50M175Z5	TO3	13	USN1N2845B	♦	C5a	1N2845RB	▼	C5a			
50M200ZR10	TO3	13	USN1N2846B	♦	C5a	1N2846RB	▼	C5a			
Reverse Polarity Type											
TL51	A6a	12	1N256 1N560 1N606 PSO60	▼ DO3 ▼ DO1 ▼	DO4 1N561 1N687 A46	DO3 1N534 ▼ DO3 1N605 ▼ A1	1N534 1N854	DO4 A21	1N547 1N605A 1N1257	▼	DO1 DO1 A53
TM51		12	1N2030 1N2269 1N3108 2016730-1	S4b S35 S82 ▼	1N2222A 1N2406 W61 A84	DO4 C8 TM84	1N2223A 1N2416	S35 C9	1N2268 RA132MA	▼	DO4 A34
S53		12	1N1125 1N1128 USN1N3649M	▼ DO4 DO4	1N1126 1N1128A TM37	DO4 DO4	1N1126A 1N1586 CK848	DO4	USN1126AM 1N1587	▼	DO4 DO4
TR53		12	1N1161 1N1183 302B	M24 S29 ▼	1N1162 USAFA1N1183 907DO99-1	M24 S29 ▼	1N1175 1N1184	M24 N42	1N1176 USAFA1N1184	▼	M24 S29
54-161	#		see WP5053B, WP5053D								
54-163	#		see WN5091E								
54-167	#		see 1N1661, 322B, 322F, 326B, 508C605HO2								
B56	#		see 422056-1								
S56		12	1N1128 1N1587 1N3649	▼ DO4 DO4	1N1128A USN1N3649M	DO4	USN1N1128AM	DO4	1N1128RA	▼	
SE59	#		see 970003-501, 970003-501-3								
SG59	#		see 2JC2189HO4								
HZ60		13	1N1369A USN1N2832B	▼ DO4 ♦ C5a	1N1831A 1N2999B	DO4 DO4	1N1831RA 50M56ZR5	DO4 TO3	1N2832B AV8055	▼	C5a S11
PSO60	A46	12	1N321 1N547 1N1257 1N2879	▼ DO1 DO1 A53	1N321A 1N560 1N1259	DO2 DO3	1N328A 1N561 1N2505	DO2 DO3 A6	1N535 1N606 1N2878	▼	DO2 DO1
ZK60-1	#		see 8-7228								
ZA60-2	#		see 1N1323A								
60M		12	1N2773 1N3256 PS160	A40 A50a ▼	1N2774 1N3751 575R428H10	A40a A38f ▼	1N2775 1N3752 CEC8050	A40a A38f	1N3196 RE10	▼	A50 A31
TK61	#		see 2094056								
W61	A84	12	1N1225B 1N2406 1N3251	A34a C8 A21b	1N2222A 1N2407 TM84	DO4 C8 ▼	1N2223A 1N2416 RA132MA	S35 C9 A34	1N2398 1N2424 2016730-1	▼	A32 F8 A84
61A5A110-1	A21	13	1N1948 1N3463	S36	1N1975 AZ20		1N2002 617914		1N3101 826217	▼	A22
TM62		12	1N328 1N689 TM65	▼ A1	1N328A 1N2773 2268525	DO2 A40 ▼	1N562 1N3196 A41	DO4 A50	1N563 1N3256	▼	DO4 A50a
A63		13	1N748A 1N1588A TI650C1	▼ A1	USN1N748AM 1N1599A 900120-86	A1 ▼	1N1507A 1N3508 925016-5	DO7 A1	1N1518A TI650C0 7901722	▼	DO3 C3
TM65		12	1N328 1N689 TM62	▼ A1	1N328A 1N2773 2268525	DO2 A40 ▼	1N562 1N3196 A41	DO4 A50	1N563 1N3256	▼	DO4 A50a

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66-0708	A63	11	1N3643 1N3647 MC90	A83 A83 A2a	1N3644 DRS2 MC90A	A83 A22 A2a	1N3645 MC080	A83 A2a	1N3646 MC080A	A83 A2a		
66-0710	A63	11	1N3643 1N3647 MC110	A83 A83 A2a	1N3644 DRS2 MC110A	A83 A22 A2a	1N3645 MC100	A83 A2a	1N3646 MC100A	A83 A2a		
66-0712	A63	11	1N3644 MC120 MC140	A83 A2a A2a	1N3645 MC120A MC140A	A83 A2a A2a	1N3646 MC130	A83 A2a	1N3647 MC130A	A83 A2a		
66-2978 #			see S322-1168P2									
66-2978H #			see 45M15									
SG67 #			see 2JC2189HO3									
69-0519 #			see 1655137									
69-0902 #			see 2041596									
69-2371 #			see 16A-17									
ZA70 #			see IN1324									
SM72		13	1N912 G129	A1	1N912M DXX766-1001-18#	A2a	1N913 110568	▼	1N913M	A2a		
TM84		12	1N2222A 1N2398 1N3251	DO4 A32 A21b	1N2223A 1N2407 1N3252	S35 C8 A21b	1N2224A 1N2416 TM104	▼	DO4 C9	1N2225A 1N2425	S35 F8	
84-27-06 #			see HD6061, see USN		IN485B							
84-27-07 #			see HD6062									
SD91	DO3	12	1N440B 1N1645 1N3629	DO3 A53 A111	1N537 1N1692 SD91A	▼ ▼ ▼	DO3 DO3 DO3	1N1439 1N2610 2157083-1	▼ ▼ ▼	1N1487 1N2859 A31a A34a	▼ DO3 DO2	
SD91A	DO3	12	1N440B 1N1488 1N2610	▼ DO3 A31a	1N537 1N1645	▼ ▼	DO3 A53	1N538 1N1646 1N3229	▼ ▼ ▼	DO1 A53 A111	1N1487 1N1647 2JC4261-6	▼ DO3 A53
SD92	DO3	12	1N442B 1N1488 1N1695	▼ ▼ ▼	1N443B 1N1489 1N2069	▼ ▼ ▼	DO3 DO3 A3c	1N538 1N1693 1N2611	▼ ▼ ▼	DO1 DO3 A31a	1N539 1N1694 1N2612	▼ DO3 A31a
SD93	DO3	12	1N442B 1N540 1N1694 1N2862	▼ ▼ ▼ ▼	1N443B DO1 DO3 1N3194	▼ ▼ ▼ ▼	DO3 DO3 DO3 A50	1N445B 1N1096 1N1095 1N3194	▼ ▼ ▼ ▼	DO3 DO3 A3c	1N539 1N1490 1N2612	▼ DO3 A31a
SD93A	DO3	12	1N442B 1N612 1N2070 816B520-4	▼ ▼ ▼ ▼	1N443B DO4 A3c DO3	▼ ▼ ▼ ▼	DO3 DO4 A31a	1N540 1N1489 1N2612 816B520-6	▼ ▼ ▼ ▼	DO1 DO3 A50	1N539 1N1490 1N3278	▼ DO3 A38f
SD94A	DO3	12	1N2116		SR201	#		WR400				
SD95A	DO3	12	1N444B 1N1095 152-048	▼ ▼ ▼	1N445B 1N1096 816B520-6	▼ ▼ ▼	DO3 DO3 DO3	1N614 1N1492 2262264-5	▼ ▼ ▼	DO4 DO3 A31a	1N614A 1N2071	▼ DO4 A3c
97-95505-008	F14d	12	1N2384	▼	A48g	MCO81	M54c	MCO81A	M54c	PS1147	A48J	
DD100 Multiple-Unit Type		11	1N67A 1N355 MP3016	▼ ▼ ▼	A21 A23a A1	1N198 G67 153552-000	▼ ▼ ▼	A21 153552-000	▼ ▼ ▼	DO7 A23a A21	1N265 HD2100	▼
FD100 #			see 720608-4									
SA101	A62	12	1N440 PSO15 SLA441	▼ ▼ ▼	1N440B SA201 SLA441B	DO3 A46 A69	DO3 A62 A69	1N441B SLA440 2157083-1	▼ ▼ ▼	DO3 A69 A21b	1N550 SLA440B	DO4 A69
101M1766SK #			see 1N3033B									
TR103		12	1N1189 1N2285 907DO99-1	▼ ▼ ▼	S29 DO4 N42	USAF1N1189 1N2286 907DO99-2	▼ ▼ ▼	S29 DO4 N42	1N1190 1N2435 1877879	▼ DO8 ▼	USAF1N1190 25H50	▼ S29 S21a
TM104		12	1N1443B 1N3761		A34a A38f	1N2224A	DO4	1N2225A	S35	IN3252	A21b	
CH104AZ	DO5	12	1N1186 USAF1N1188 USAF1N1190 302F	▼ ▼ ▼ ▼	S29 S29 S29 S29	USAF1N1186 1N1189 1N1681	▼ ▼ ▼	S29 S29 P46A6314 WN5051C	▼ S29 ▼ S29	IN1188 IN1190 302D	▼ S29 S29	
105X2 #			see SS7637-1-2									
105X4 #			see SS7637-1-4									
RX106	DO4	12	1N2513 1N2520 CK848	DO4 S35	1N2514 1N2521 CK849	▼ ▼	DO4 S35	1N2515 B94327	DO4 ▼	1N2519 CK847	▼ S35	
SL110 /1 #			see FD200									

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D111		13	1N755A ▼ QZ7.5T5 DX766-1000-7	A46 A21c DO7	USN1N755A ▼♦ SV127 1617451-3	A1 DO7 C1	IN958B X203-2 2019600-17	# A1	DO7 A1	IN3515 TI653C7	▼ DO4 C3
BY114	DO2	12	1E4 1N2415 1N3758	A3c C9 A38f	IN1415 ▼ 1N2424 IN3759	F8 A38f	IN1914 IN2542 BY104	A86 S35 DO2	IN2406 1N3190	▼ C8 A31a	
Q116		11	1N67A ▼ 1N355 MP3016	A21 A23a A1	IN198 ▼ G67 153552-000	A21	JAN1N198 S322-1064G1 925049-504	A21 A23a A21	IN265 HD2100	▼ A21	
SG117 Multiple-Unit Type	DO7	12	1D20-1 IN677 1N2847 PS420	A1 A1 S35 A46	1N324A ▼ IN1252 1N3544	DO4 A53 A1	IN325A IN1253 HMP3A	DO2 A53 A53	IN551 1N1692 PS410A	▼ DO4 DO3	
SV121	DO7	13	1N1928A SV1004	▼ ▼	1N2041A HZ8122		SV191 L221821-4	A1 A8a	PR504 2019600-1	▼ A1	S4b
SV122		13	1Z5.1T5 PR505 SV2005 2019600-2	DO3 S4b	3Z5.1T5 766-1001-3 D615010-29	S19	E48 DXX766-1000-11# 720670-14	A46 S11a	E88 SV1005 925251-13	▼ A1 A31	A1
SV123	A1	13	1N762A E145 2019600-3	▼ A1	1N1509A ▼ PR606 2041596	DO7 A1	A6 A33	IN3512 SV1006 C7731478-3	DO7	FZ5-6T5 PS6469A	▼ A21c
SV124		13	1N429 1N3513 C7731478-4	▼ DO7	1N675 1N821 SV1007	C1 DO7	DO7 A31	IN709A USN1N821 HZ8125	DO7 DO7	IN753A 1N821A 2019600-16	▼ A1 DO7
SV125	DO7	13	1N2043A 998A562G21 2243314-1	▼ DO4 A1	SV1008 ▼		S322MS163P002# 67198-501-5	▼ A1	DXX766-1000-6# 2031121	▼ A1	
ZA125		13	1N239 1N1945 ZA125-2	C1b 1N1945 C1	USN1N987B ♦ 1N1972 PS6327	DO7	USN1N988B ♦ 1N1999	DO7	IN1798 1N3046B	▼ A31 A31a	
ZA125-2	C1	13	1N239 1N1798 1N3046B	C1b A31 A31a	USN1N987B ♦ 1N1945	DO7	USN1N988B ♦ 1N1972 PS6327	DO7	IN1327 1N1999	▼ C1	
AX126	DO4	12	1N2513 1N2520 CK848	DO4 S35	1N2514 ▼ 1N2521 CK849	DO4 S35	IN2515 RK106 B94327	DO4 DO4	IN2519 CK847	▼ S35	
SV126 Multiple-Unit Type	DO7	13	1N2041B DXX766-1001-3	▼ S19	10Z5.1T5 911D18-3 2019600-17	DO7 A1	SV127 SV2005 2019613-5	DO7 A1	S322MS163P003# D615010-12	▼ # PR505	S4b
TM126		12	1N549 1N2884 50E12	A3c	1N2357 ▼ IN2885 TM125	DO1	1N2777 1N2886	A40a	1N2779 1N2887	A40a	
SV127	DO7	13	1N755A 1N3515 DX766-1000-7	▼ A1 DO7	USN1N755A ▼♦ FZ7.5T5 SV1010	A1 A21c DO7	IN958B QZ7.5T5 1979827-5	DO7 A27	IN3017B S322MS163P004# 2019600-17	▼ A1	
SV128	DO7	13	1N430 16A-17 1979829-1	▼ S20	1N430A ▼ SV1011 L2088293-1	S20	1N430B ▼ HZ8129 2019600-4	S20	IN1530A L221821-9 8954883-2	▼ C7 A8a C7	
128-1001-15 #			see 50M40Z5C5, 1N2816B								
SV129		13	1N2044B PR512 CVC6014-9	S4b A1	1N2790 PR612 HZ8131	A6	IN3148 SV1012 2019600-5		E141 SV2012	▼ A1	
G130	A1	13	1N816 1N913 99250-102	▼ A1	1N912 1N913A	DO7	IN912A IN913M	DO7 A2a	IN912M TMD20	A2a	
SG131	DO7	12	1N600A 1N3074 HD6061	DO1 DO12 A21	1N601A 1N3754 1293411-1	DO1 DO1 A1	IN609A 2JC2806HO6 1583967	DO1 A21 A111	IN3073 910D2-3	# DO12	
SV131	DO7	13	1N225-2 1N938B 2019600-6	▼ DO7	USN1N757A ▼♦ USN1N938B ♦ 8991178-11	A1 DO7 A23	A1 USN1N935B ♦ USN1N939B ♦	DO7 DO7	IN936B A99250-118	▼ DO7 A38d	
SG132	DO7	11	1N303A STC105 TI622C	A21 C3	1N433A ▼ STC106 MP3512	A21 A2	IN458 ▼ PD129	A21 A2	IN458M FD327	▼ A2 A22	
S132G	DO7	11	1N98A 1N450 T5G 248C11536	▼ A21	1N100A ▼ 1N451 DR317	A23a	IN143 IN634 DR336	A23a DO7	IN291 1N635 DR337	DO7	

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RA132MA	A34	12	1N1224 1N1236	▼ S25	1N1225 IN1443	▼ DO1	1N1226 308M	▼ S25	1N1234 320M	▼ S25	
SG133	□ A38a	11	1N459 FD328 MQ4551	▼ A21 A22 ▼/I	1N459M CK863A HD6008	A2 A21	1N1849 910D4 A10859	C1b # ▼/I	PD130 ED2840 925008-4	A2 A23	
SV133	DO7	13	1N701 1N1523A SV1015	▼ DO3	1N758A 1N3518 A99250-119	▼ DO7 A38d	USN1N758A E84 D615010-4	A1 A1 #	1N961B DXX766-1000-224 2019600-8	DO7 A1	
SV134	DO7	13	1N962B MRA4A SV5020	▼/I A25	USN1N962B TO39 QZ11T5 2031361	▼ DO7 A21c A84	1N3519 PR616	DO7 A6	MRA4 SV1016	TO39	
SV135	DO7	13	1/4M12Z5 1N963B Z12	▼ DO7 C18a	A21 DO7 575R786HO2	▼ DO7 A23	1N759A 1N1513A 615010-10	A1 A1 ▼/I	USN1N759A 1N3520 2019600-9	A1 DO7	
PZ135A		13	1N3009B	DO4	AV8135	S11					
SV136	DO7	13	1N766A 1N1772 1N3521 2019599-12	DO7 A31 DO7 A25	1N964B 1N2499 911D19-3 2019600-10	DO7 S19a	USN1N964B IN2499C 615010-13	DO7 A31	IN1352 1N3021A 720670-73	DO4 A31a A46	
SV137	DO7	13	GLZ14BBA SV1019 1020640	DO7	LPZ14BBA SV1087 2031179	A31a	FZ14T5 CVC6014-16 C7731478-14	A21c A1	353-2594B HZ8139	▼/I A1	
G138	#		see 925008-39								
SV138		13	1N718A 1N3522 HZ8141 20314	▼ DO7 DO7 ▼/I	1N965B GLZ15BDA 1020641	DO7 DO7 #	USN1N965B QZ15T5 2019000-11	DO7 A21c #	1N1427 PS6943 2031180	▼ # ▼/I	
GTD139	#		see C202	JC2	89H11						
SG139	#		see 201628b								
SV139	DO7	13	1N966B GLZ16BCA C7731478-17	DO7 DO7	1N1818A FZ16T5	DO4 A21c	1N2980B	DO4	1N3523 HZ8142	DO7	
PS140	A47	12	1N553 1N1695 PS160 CEC4050	▼ DO3 A47	1N1169 1N2095 PT540	▼ M21	1N1169A SR40 575R428HO9	A34b ▼/I	1N1255 TK41 575R428H10	A53 A47	
SV141	DO7	13	1N2047C 6RV16A PS1502 SV3207		4RV16 LPZ17BB-A PS1502A 2019600-12	A31a A48b A45	4RV16A 322-1127-P8 SV2022	A45	6RV16 SV1022 SV3206	A45	
SV142		13	1N720A 1N3524 SV1023 C2019621-1	▼ DO7 DO7 ▼/I	USN1N967B GLZ18BCA HZ8144	DO7 DO7 A25	1N967B FZ18T5 D615010-6	DO7 A21c #	1N3026B 322-1167-P13 2019600-13	A31a A31	
S142G	DO7	11	1N98A 1N289 DR207	A23a DO7 S423G	1N100 T3G ▼/I	A21 DO7 DO7	1N117A T12 ED1837	A23a	1N141 T12G	A23a	
SV144	DO7	13	1N721A 1N3525 925251-6	▼/I DO14	1N968B CVC6014-22 2019600-14	DO7 A1 ▼/I	USN1N968B CE93903 L2088293H2	DO7 DO7 #	1N3027B 615010-22 C7731478-19	A31a A1 #	
SM145	#		see ML553								
SZ145	#		see 826217								
147M1680	#		see IN3033B, 488830-1								
SV148	#		see 925008-31								
M150		12	1N256 1N861 1N1705	▼ A21 A53	1N333 1N684 1N1706	DO4 A21 A53	1N342 1N685 461049-6	DO4 A1 ▼/I	1N560 1N687	DO3 A1	
TR151		12	1N250 1N1203 C35G	▼ S27	1N1201 1N1304 304D	S27 S27	1N1202 1N2023 WN5091E	S27 S29	1N1202A 1N2590	DO4 S35	
A151P1	#		see A10859								
152-012	A3c	12	1N561 75E10 DI650	DO3 A3c A38b	1N2070 152-048 2094056	▼ DO3 ▼/I	75E7 CODI537	A3c A75	75E8 CODI617	A3c A76	
152-048	DO3	12	1N2864 1N3637	DO2 A111	1N3280 152-012	A38f A3c	1N3476 2094056	▼/I	A66	1N3636	A111
TR152R Reverse Polarity Type		12	1N250A 1N2158 TR402 2072019	▼/I DO5 DO5	1N250B TR302	▼ DO5	1N2156 322M080P001 1616993-1	DO5 S29	1N2156R 322M080P002 2041929	DO5 ▼/I	

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SV156 #			see 925008-19								
M156A #			see 1N2620A								
156M1823 #			see 1N3033B								
M157A #			see 1N2621A								
M159A #			see 8991170-4								
PS160	A47	12	1N2773 1N3256 575R428H10 ▼	A40 A50a A47	1N2774 1N3751 CEC8050	A40a A38f	1N2775 1N3752 2041830PC10 #	A40a A38f	1N3196 RE10	A50	
M160A #			see 1N2624A								
GD166 #			see DRC81216								
SV168	D07	13	1N668 ▼ 1N1527A ▼ QZ22T5 C7731478-20 #	DO3 A21c	1N968B 1N1880A SV1033	D07	USN1N969B ▼♦ 1N3526 720670-28	D07 D07 A19	1N1516A ▼ GLZ22BCA 2006371 #	D07	
CODI169 #			see 16A-27								
SG169 #			see 461049-1								
SV169	D07	13	1N970B ▼ GLZ24BDA 967516-501-7 ▼	DO7 D07 N48	USN1N970B ♦ MZ24T5 1020642	D07	1N3029B ▼ 911D20-3 ▼ 2019600-15	A31a A1	1N3527 SV1034 2031181	D07 A1	
SG174 #			see 461049-5								
SG176	A21	11	1N434A ▼ STC108 HD6154 ▼	A21 A21	1N458 ED2839 HD6189	A21	1N458M ▼ MP3512 ▼ 1249959-11	A2 A2 A22	STC107 HD6007 CK848	A21 A21	
SM180	∅	12	USN1N1124A ▼ 1N2514 ▼ 1N2744 910D12-3 #	DO4 DO4	1N1126A ▼ 1N2519 1N2759 2030957	S35	1N1919 ▼ 1N2677 CK847	S82	1N2513 1N2681 CK848	DO4	
SM181	DO4	12	2N317A 1N600 ▼ 1N1101	DO2 DO1	IN440 ▼ 1N602 ▼ PSO15	DO3 DO1 A46	1N530 1N1100 SM181A	DO2 DO1 DO4	1N531 ▼ 1N601 ▼ 910D19-3 #	DO1 DO1	
SM181A	DO4	12	1N440 ▼ 1N601 ▼ 2N317A	DO3 DO1 DO2	1N530 1N602 ▼ PSO15	DO2 DO1 A46	1N531 ▼ 1N1100 SM181	DO1 DO1 DO4	1N600 ▼ 1N1101	DO1	
SG187	∅	A1	1N444 ▼ 48C873105-3 ▼ 910D57-3 ▼	DO3 A6 DO7	1N605A ▼ SA301 911D5-3	DO1 A62 A1	1N3077 479-0210-00 # SA201	DO12 A62 A21	SJ14 910D42-3 # CD1123 167384	A1	
SE189C	N21	12	1N1757 575RO89HO1 #		1N1758 KX1113	#	1N1759		1N2385	A48J	
					193517	▼	194009-1	▼	A48b		
SM191 #			see 1N338								
SV191	A1	13	1N1928A ▼ CVC6014-1 #		IN2041A HZ8122		PR504 L221821-4	S4b A8a	SV1004 ▼ 2019600-1	A1	
SV199 #			see CVC6014-9								
FD200		14	1N3070 SL110/1 # AM717A	A22 DO7	MC002 353-3083-00 L682034-2	A2a A21	FSP55 AM704A	M59 DO7	SP200 AM717	DO7	
200SL	F22d	12	1N2362A 1N2366A RA5714 #	DO4 DO4	IN2363A IN2367A		1N2364A ▼ 1N2368	DO4 DO4	1N2365A 1N2369 1N3775	DO4	
SA201	A62	12	1N441 48C873105-3 ▼ DI645 1778936 ▼	DO3 A6 A38b	1N441B SA301 911D5-3	DO3 A62 A1	1N645TH SLA441 CD1123	A54 A69	SSD-34-57 # SLA441B 167384	A69 A1	
SR201 #			see SD94A								
SJ201A #			see 2JC2162HO1								
SE202		12	USN1N561 ♦ ED2849	DO3	10AL8 HD6868	A77a	50E8 2268525	A3c A41	SG1007 ▼ 9060741-2	DO7	
C202-321	A1	11	1N281 ▼ 1N772 ▼ T8G ▼ 527758	DO7 DO7	1N305 ▼ 1N774 T9G	A23a DO7	1N307 ▼ 1N775 GTD139	A23a DO7	1N453 ▼ 1N3666M D50359	DO7	
202-325		14	1N252A JAN1N662 ♦ 1N916M 1N3206	DO7 A1 A2a A2	1N643 ▼ A1 1N778 A46 L682034-2	DO7 A21 A46	1N658 ▼ 1N798 1N928M	DO7 A46 A2a	1N660A 1N798M USN1N3070	DO7	
202-335		11	USA芬1N645 ▼♦ 1N646 ▼ PO57462-501-21	A1 A1 632281-001	1N645-2 ▼ A1 1N647	A1	1N645A A1 1N3728 1225359-3	A1 A21 A1	1N645B 57462-501-11	DO7	

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202-356	✓	DO4	12	1N253 USN1N1124A 1N2350	▼ ▼ ▼	DO4 DO4 DO4	1N253C 1N1564A 1N3757	▼ ▼ ▼	DO4 C14 A38f 910D19-5	1N338 1N1909 1N1019-5	DO4 A86	1N611A 1N2292A	DO4 S35
202-359	✓	A1	13	1N429 1N822 1N825	▼ ▼ ▼	C1 DO7 DO7	1N709A 1N823 1N827	▼ ▼ ▼	DO7 DO7 DO7	1N821 USN1N823 USN1N827	DO7 DO7 DO7	USN1N821 1N824 A99250-114	DO7 DO7 A38d
202-363	A31	13	1N1510A SV1009 1979832-5	▼ ▼ ▼	A27	1N2043B SV1010	▼	1N2971B SV2009	▼	DO4	MZ7.5T5 1979832-4	DO3 A27	
202-376	✓	S19a	13	1N2041B SV2005	▼ ▼		1025.1T5 720670-14	▼	S11a	PR505	S4b	766-1001-3	✓ S19
202-447	S19a	13	1N2043A			PR508		S4b	998A562G21	▼	DO4		
X203-2	#		see D111										
X203-3	#		see TI653C7										
X203-4	#		see TI600C										
203-845	✓	A25	13	1N1485 Z4X6.8B SV1159	▼ #	DO3	1N3016A MZ6.2T5 2031121	▼	A31a A25	1N3829 FZ6.8T5 2162644	A31a A35a	I26.2T5 SV1008	DO3
203-846	A1	13	SV359	▼	DO7	SV594	#		2041596	▼	A33	2162645	#
DT203BA		12	1N1331 1N1673 1N3164		S14f S14e	1N1334 1N1674 1N3165		A14f S14e	1N1380 1N2058 1N3166	S14h S8b S14e	IN1671 IN3162	S14f S14e	
210-0045D	#		see B603										
SG211		14	1N251A 1N916M PS722		DO7 A2a	1N660AM SG212 1391107	▼	A2a DO14	1N660M FD245	▼	A1 A22	IN778 TI253	A21 A110
SG212		14	1N643 FD254 ED2952	▼	DO7 A22	1N643M CSD2310		A2 A21	1N779 CSD2313		A21 A21	SG217 CSD2314	A21
W212-2	#		see JJC7877HO7										
WMP215	C1	13	1JC7876-1 1N989A 1N3048B 32113865	# ▼ ▼ ▼	DO7 A31a A21	1N672 USN1N989B 1N3049B	▼ ▼ ▼	DO7 A31a	1N742 USN1N990B 1N3430	▼	DO7 DO7 P5	1N989A 1N1799 D50208	DO7 A31 N46
SV217	#		see CVC6014-16										
SM220	#		see 575R570HO1										
SG221		14	1N804 1N893 AM631		A46	1N818 1N893M AM631A		A21 A2a DO7	1N843 1N3257 AM707		A22 DO7	1N843M SG223	▼ A2a
SZ222	#		615011-3										
SG223		14	1N804M 1N893M AM709		A2a A2a DO7	1N843 AM631 AM709A		DO7 DO7	1N843M AM631A AM722		A2a DO7 DO7	IN893 AM707 AM722A	DO7 DO7
SM223	DO4	12	1N1124 NA17 322-1140D1 2157095-1	▼ ▼ ▼ ▼	DO4 S26	USN1N1124A NA27 CK847	▼ ▼ ▼	DO4 DO7	1N1582 RX106 B94327	▼ ▼ ▼	DO4 DO4	IN1583 1105445-4	DO4
SM224	DO4	12	1N1581 IN2229 TM7	▼ ▼ ▼	DO4 DO4 DO4	1N1582 1105445-5	▼ #	DO4	1N1917 2157095-1	▼	S82 S26	IN2228 MR5 2042830-1	DO4 DO4 S2b
SV224	DO7	13	1N768 SV18 HZ8155	▼ ▼ ▼	DO7	1N768A SV143 720670-65	▼ ▼ ▼	DO7 DO7 C12	1N2039 SV1024 8950184-1	▼ ▼ ▼	DO12 S19a	IN2048 CVC6014-22	DO4 A1
SE225	#		see 1105477										
SM225	#		see 1N338										
225A628HO1-22#			see 1N2070										
SV226	DO7	13	1N470A SV126 2019613-5	▼ ▼ ▼	C1 A1 A1	USN1N754A 202-363 8991178-8	▼ ▼ ▼	A1 A31 A23	1N763A 911D18-3	▼	DO7 A1	1N3514 1637720	DO7
SG227		14	1N838 1N841 FD200		A21 A22	1N838M 1N841M 353-3083-00		A2a A2a A93	1N839 1N842 DR674		A21	1N839M 1N842M L682034-2	A2a A2a A21
SP230	#		see RE10										
S231	#		see 907806										
C231-345	#		see G9E										
232-1127P1	#		see TM3										
232-1127P2	S4a	12	1N328 USAFA1N649 1N3256	▼♦ ▼ ▼	A1 A50a	1N328A 1N689 TM62	▼ ▼ ▼	DO2 A1 TM65	1N562 1N2773 TM65	▼ ▼ ▼	DO4 A40	1N563 1N3196 2268525	DO4 A50 A41
232-1127P3	#		see TM41										
232-1127P5	#		see TM44										

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232-1158P1 Ø Multiple-Unit	Type	12	1N2030 1N2269 1N3108 RA132MA	S4b S35 S82 A34	1N2222A 1N2406 TD4SS-35 # 2016730-1	DO4 C8 A84	1N2223A 1N2416 W61	S35 C9	1N2268 TM84	DO4	
232-1158P2 Ø Multiple-Unit	Type	12	1N2222A 1N2398 1N3251	DO4 A32 A21b	1N2223A 1N2407 TM84	S35 C8	1N2224A 1N2416 TM104	DO4 C9	1N2225A 1N2425 TD4SS-36	S35 F8	
S2376		17	SX761	C6	RA711	#					
SG239 #			see 2JC3636HO1								
SG241 #			see 2JC3636HO2								
SV242 ✓	A1	13	1N718 1N3417 2031180	P5 A1	1N718A SV138	DO7 A1	1N965A 625014-443	DO7 A31a	1N3404 1979832-2	P5 A27	
SG243 #			see 2JC3636HO3								
SZ244 #			see 617941-4								
248-21957-25✓	A1	14	1N643M 1N779	A2 A21	1N661A 1N779M	DO7 P5	1N661AM PD109	A2a A2	1N661M	A2a	
248A151		15	1N21E 1N416B 1N831A	P3 P3a A1	1N21EMR 1N416D 13-112062	DO7 P3a P3	1N21WE 1N416E	P3a P3a	JAN1N21WE 1N831	P3 A1	
248C11536 ✓	A21	11	1N98A 1N291 1N635 DR337	A23a DO7	1N100A 1N450 T5G	A23a DO7	1N143 1N451 DR317	A23a	2N277 1N634 DR336	D07 D07	
0251	A97	14	G127 CTP605	✓ A1	DR401 ED2051	A22	DR403		DR404		
0252		11	1N305 T9G CTP462	A23a A21	1N774 C202-321 479-0258-001	DO7 A1 A97	1N775 0253 479-0258-002	DO7 A1 A97	T8G 353-2008-00 CTP811	A21	
W252 #			see 2JC2719HO3								
S252G #			see 2JC2719HO2								
0253		11	1N305 T9G CTP462	A23a A21	1N774 C202-321 479-0258-001	DO7 A1 A97	1N775 0252 CGD810A	DO7 A1 A97	T8G 353-2008-00	A21	
S254G	DO7	11	1N206 1N1842 HD6147	C1 C1b 622827-2	1N384 PD131 622827-2	A2 DO7	1N456A FD325 720635-9	A46 A22 ✓ A1	1N461A 612C	A46 C3	
SZ265 #			see 8991170-6								
SM268 #			see 1876828								
DR281	DO7	11	1N350 2JC2189HO3 HD2155	✓ C1b A1 624781-1	1N457 PD125 624781-1	A21 A22 A21	1N890 322-1068P1 7434802	A21 C1 A22	1N930 FD326	D07 A22	
S283G	DO7	11	1N208 1N462 TI601C	✓ C1 A21 C3	1N301 1N897 HD6013	A2 S27	1N386 1N1843 B78630	C1b A2 A22	IN432 PS514A 1074103	#	
SG291 #			see 1979931								
FD300	A22	11	FD346	A22	FD359	A22	PS617		CD1113	▼	
SA301	A62	12	1N552 1N649TH DI649	DO4 A54 A38b	1N646TH SSD-34-57 DI650	A54 A54 A38b	1N647TH 48C873105-3 911D5-3	A54 A6 A1	1N648TH DI648 167384	A54 A38b A1	
TR301		12	1N1203 1N1414 1N2590	✓ S27 A21 S35	USAFA1N1203 1N1704	S27 S27	1N1205 1N2023 2015993	S27 S27 S26	1N1206 1N2025 2059880	S27	
SM302 #			see 1105445-9								
302B	S29	12	1N1184 1N1186	S29 S29	USAFA1N1184 USAFA1N1186 B510	S29 S29 M38	1N1185 302D 1111431	S29 S29 S29	USAFA1N1185	S29	
302D	S29	12	1N1186 1N1681	S29	USAFA1N1186 1N1682 B520	S29	1N1187 1N2282	S29 DO4	USAFA1N1187 319E	S29 S14c	
302E	S29	12	1N1118 1N1542	✓ DO4 DO4	1N1223 1N1566A	DO1 C14	1N1224 1N1910 307H	DO1 A86 DO1	1N1233 1N1911 426-10001	S25 A86 S4b	
302F	S29	12	1N1187 1N1189 1N1460 P46A6314	✓ S29 S29 M56	USAFA1N1187 USAFA1N1189 1N1461	S29 S29 M56	1N1188 1N1190 1N1682	S29 S29 S29	USAFA1N1188 USAFA1N1190 1N2282	S29 S29 DO4	
TR302		12	1N1197A 1N2277 TR402	DO5 DO4	1N2158 1N2278 2072D10	DO5 DO4 S29	1N2160 1N2454	DO5 DO5	1N2276 1N2455	D05 D05	

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303A	S29	12	1N1191 1N2155 1N2274	▼ D05 DO4	1N1194 1N2156 303D	▼ D05 S29	1N1301 1N2272	▼ D04	1N2154 1N2273	▼ D05 D04
303B	S29	12	1N249A 1N412 1N2155	▼ D05	1N249B 1N1193	▼ D05 S29	1N250A 1N1302	▼ D05	1N250B 1N1304	▼ S27
303B996GO2 Multiple-Unit Type	DO3	12	1N249A 1N250B/C 1N1302	▼ D05	1N249B 1N412 1N1304	▼ D05	1N250A 1N1193 1N2155	▼ D05	1N250B 1N1195 1N2158	▼ S27 S29 D05
			WN5091E	▼ S29	303D 1616993-1	▼ S29	322MS080-P001 2041929	▼ D05	322MS080-P001 1616993-1	▼ S29 322MS080-P002 1616993-1
			WN5091E	▼ S29	1N250B 1N2158 2041929	▼ D05	1N250B/C 1N2158 1616993-1	▼ D05 S29	1N1195 322MS080-P002 1616993-1	▼ S29 322MS080-P002 1616993-1
303E	#		see WN5091E							
303F	S29	12	1N1195 1N2158 TR302	▼ D05 ▼	1N1198 1N2160 TR402	▼ D05 ▼	1N1198A 1N2275 2072019	▼ D05 S29	1N1306 1N2455 8939921-1	▼ D05 D05
303G	S29	12	1N1196A 1N2277 1N2454	DO5 DO4 DO5	1N1197A 1N2278 1N2455	DO5 DO4 DO5	1N1198A 1N2452 508C303H07	DO5 DO5 #	1N2276 1N2453	DO4 DO5
304B	S27	12	1N1193 1N1200A 1N1204	▼ DO4 ▼	1N1195 1N1200B 1N1302	▼ D04 ▼	1N1200 1N1201 1N2590	▼ S27 S27 S35	USAF1N1200 1N1202	DO4 S27
304D	S27	12	1N250B 1N1202B USAF1N1204 WN5091E	▼ S27 ▼ S29	1N1195 1N1202 1N2590	▼ S27 ▼ S35	USAF1N1202 1N1203 303D	▼ S27 S27 S29	1N1202A 1N1204 303F	▼ S27 S27 S29
TI305	#		see USAF1N645, USAF	1N649,	180653,	180654,	180655			
307A	DO1	12	1N1217A 1N1227A	▼ D01 S25	1N1217B 1N1537 816B520-1	▼ DO4 #	A34a DO4 WP5053B	1N1218A 1N1538 ▼ S25	DO1 1N2536 2030934	A34a S35 S11a
307D	DO1	12	1N1116 1N1564A	▼ C14	1N1117 1N1566A 816B520-3	▼ C14 #	DO4 C14 WP5053D	1N1118 1N1910 ▼ S25	DO4 A86 HR10745	DO4 1N1911 A86
307H	DO1	12	1N1118 1N1234 426-10001	▼ S25	1N1223 1N1542 S4b	▼ DO4 ▼	DO1 1N1566A 308M	1N1224 1N1566A ▼ S25	DO1 C14 S25	1N1233 1N1911 320M
308M	S25	12	1N1224 1N1236	▼ S25	1N1225 1N1443	▼ DO1	A34b DO1	1N1226 320M	▼ DO1	1N1234
DR309		11	DR272 ED2113		DR301		DR302			DR327
NA0310	S21c	12	1N1076 1N1199B C35F	▼ S68	1N1199 1N1200 508C540H22	▼ S27 ▼	S27 2031154	USAF1N1199 1N1287 ▼ S19a	DO4 S14g ▼ S19a	1N1199A 1N2576 ▼ S35
SE314	#		see C248456-1							
SM314	#		see TM8							
TI-317	#		see 178656N							
PA320A		12	1N345 1N534 1N605	▼ DO4 ▼ DO1	1N443 1N602 1N605A	▼ DO1 DO1	DO3 1N602A 1N606	1N444 1N602A 1N606	▼ DO1 DO1	1N531 1N604 1N1256
320C	DO1	12	1N1116 1N1219A 1N1539 1N1911	▼ DO4 DO1 DO4 A86	1N1117 1N1219B 1N1564A	▼ DO4 A34a C14	DO4 1N1229 1N1566A	1N1118 1N1229 1N1566A	▼ DO4 S25 C14	1N1219 1N1229A 1N1910
320G		13	1N3287	DO7	CGD673	A41	S1010	▼	B181157	▼ DO7
320KX	#		see 1669082, 1N1223							
320M		12	1N1224 1N1236	▼ S25	1N1225 1N1443	▼ DO1	A34b DO1	1N1226 308M	▼ DO1 S25	1N1234
322-1064G1	A23a	11	1N67A 1N265 MP3016	▼ A21 ▼	1N198 1N355 153552-000	▼ A23a ▼	A21 A23a	JAN1N198 G67	A21	1N198A HD2100
322-1068P1	C1	11	1N302B 1N890M HD6006	A2a A21	1N434B 2JC2189HO3 624781-1	▼ A1 ▼	A1 A21	1N457 ED2838	A21	1N457M MQ4512
S322-1098-P1#			see 1N465							
S322-1098P2 #			see 1N469							

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S322-1098P3	C1	13	1N466 1N703A USN1N747AM CVC6013-5	▼ C1 DO7 ♦ A1 ▼ C3	1N471 1N746A A63	▼ C1 A1 ▼	1N471A3V USN1N746A TI650C0	▼ C1 A1 ▼ C3	1N703 1N747A 3567	▼ D07 A1 #	
S322-1098P4 #			see 1N468								
S322-1108P1 □	C1	13	1N228A 1N1316A15.75V SV2021	▼ C1 C1 ▼	1N767A 1N3523 CD3128	DO7 DO7 A23	1N966B SV139 615002-27	▼ D07 DO7 ▼ A1	USN1N966B SV1021	▼ D07	
S322-1109P1 #			see SV5013								
S322-1110P1 □	C1	13	1N672 USN1N989B 1N3430	▼ DO7 P5	1N742 1N1799 S1065	DO7 A31	1N989A 1N3048B D50208	▼ D07 A31a ▼ N46	1N989B 1N3049B	▼ D07 A31a	
S322-1110P2 □	C1	13	1N670 1N981B 1N3426	▼ DO7 P5	1N734 1N1942 S1066	DO7	1N981A 1N1969 615010-36	▼ A31a	USN1N981B 1N1996	♦ D07	
S322-1118P1 □		12	Multiple Unit Device	1N2370 4JA411DC5AD1# B4019 7709-2	DO4 A92	1N2370A B2201 7703-2	DO4	1N2371 B2202 7705-2	1N2371A B4018 7707-2	A92	
S322-1119P1 #			see 1N746A								
S322-1119P2 #			see 1N747A								
S322-1119P3 #			see 1N748A								
S322-1119P4 #			see 1N749A								
S322-1119P5 #			see 1N750A								
S322-1119P6 #			see 1N751A								
S322-1119P8 #			see 1N753A								
S322-1119P9 #			see 1N754A								
S322-1119P10#			see 1N755A								
S322-1119P11#			see 1N756A								
S322-1119P12#			see USN1N757A								
S322-1119P13#			see 1N758A								
S322-1119P14#			see 1N759A								
S322-1127P1 #			see SV3170								
S322-1127P2 #			see SV3171								
S322-1127P3 #			see SV3173								
S322-1127P6 #			see SV3176								
S322-1127P8 □	A45	13	4RV16 SV141 SV3207	▼ DO7 A45	4RV16A PS1502	A48b	6RV16 PS1502A	A48b	6RV16A SV3206	A45	
USAF322-1128P1		12	Multiple Unit Device	1N1185 1N1680 B520	▼ S29	USAF1N1185 302D M38	S29 S29 1111431	▼ S29	USAF1N1186 508C509H14	▼ S29	
322-1129P1 #			see TD12F2A1/1N253								
322-1135P2 □		12	Multiple Unit Device	NS1AF1AD2 1N1583 RX106 CK847	# DO4 ▼ DO4 ▼ DO4 ▼	1N1124 4JA411AF1AD2# AX126 B94327	DO4 NA17 DO4 2157095-1	USN1N1124A NA17 SM223 ▼ S26	DO4 NA27 DO4 S26	1N1582 NA27 322-1140P1	▼ D04
322-1138P1		12	Multiple Unit Device	1N1059 1N2290A BY402	S67 S35 S35	1N1071 1N2566 575R570H01	S83a S35 S19a	IN1613 4JA3511AF1AD1# KS602BA	DO4	IN2290 6F10 CK776	S35
322-1140P1		12	Multiple Unit Device	1N1347 1N1615 1N2231 508C581H31	S26 DO4 S35	1N1347A 1N1615R 1N2231A AM2005	DO4 DO4 S35	IN1348 IN2230 1R205BA121	S26 DO4 #	IN1614 IN2230A 6F50	▼ D04 DO4 DO4
S322-1167P4 #			see 1N1768A								
S322-1167P7 #			see 1N1771A								
S322-1167P9 #			see 1N1773A								
S322-1167P10□	A31	13	1N1354A PR518 2157086-5	DO4 S4b ▼ DO4	1N1816A PR618 8991179-8	A6 DO3	USN1N2811B 3570	♦ C5a	IN3023B 615010-13	▼ A31a A31	
S322-1167P11#			see 1N1775A								
S322-1167P13□	A31	13	1N1357A 1N1607A PR623	▼ DO4 DO4 A6	1N1419 1N1819A 3571	DO4	1N1428 IN2982B 8950229-13	▼ A41	1N1526A IN3026B	▼ A31a	
S322-1167P14#			see 1N1778A								
S322-1167P15#			see 1N1779A								
S322-1167P16#			see 1N1780A								
S322-1167P17#			see 1N1781A								
S322-1167P18#			see 1N1782A								
S322-1167P19#			see 1N1783A								
S322-1167P20#			see 1N1784A								

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S322-1167P24#			see 1N1788A								
S322-1168P1 #			see 45M15								
S322-1168P2 □	S8	12	1N413B 1N2435 25H50	S54 DO8 ▼ S21a	1N2429 25H20 45M15	DO8 ▼ S21a ▼ S8a	1N2430 25H30 66-2978	DO8 ▼ S21a #	1N2431 25H40	DO8 ▼ S21a	
322-1170P1 #			see 1N1588								
322-1170P2 #			see 1N1589								
322-1170P3 #			see 1N1590								
322-1170P5 #			see 1N1592								
322-1170P6 #			see 1N1593								
322-1170P7 #			see 1N1594								
S322-1170P9 □	S4a	13	1N1357 1N1596A 1N1819A	DO4 DO4 DO4	1N1357A 1N1607 1N1819C	DO4 DO4 ▼ S8e ▼ S14g	1N1419 1N1607A 1N1895	DO4 ▼ S14c ▼ S14d	1N1596 1N1819 1N2982A	▼ S19a DO4	
322B	S8e	12	1N1272 1N1282 54-167	▼ S14c ▼ #	1N1273 1N1295 326B	▼ S8e ▼ S14g	1N1274 1N1661	▼ S14c ▼ S14d	1N1275 1N1662	▼ S14c ▼ S14d	
322DD70 #			see 907D099-1								
322F	S8e	12	1N1276 1N1665 1N3269	S14c S14d S14g	1N1286 1N1666 54-167	S14g S14d #	1N1296 1N3266	S8e S14g	1N1297 1N3268	S8e S14g	
S322MR023P001□	C1	12	1N319A 1N888 461049-5	DO2 ▼ A1	1N362 1N1705 461049-6	▼ ▼ ▼ A1	DO2 ▼ A53 910D57-3	DO2 ▼ D07	1N363 910D57-3	▼ D07	
S322MR060P001	C1	13	1N468 1N1955 L221821-1	▼ C1 ▼ A8a	1N473 E48 925251-13	▼ ▼ ▼ A1	1N705 SV122 1617451-1	D07 ▼ C1	USN1N751AM SV1005	▼ A1 ▼ A31	
S322MR060P002	C1	13	1N468-3 766-1000-2	# ▼ D07	1N751A SV1005	▼ ▼ A31	SV122	▼	TI651C6	▼	
S322MR060P003□	C1	13	1N468-3 1N1484	# ▼	1N674 1N3510	D07	1N750A	▼ A1	USN1N750A	▼ A1	
S322MS056-P001#			see 1N458								
S322MS056P002#			see 1N458								
S322MS056P003#			see 1N458								
S322MS056P004□	A22a	12	1N441 SLA441 461049-1	DO3 A69 ▼ A1	1N441B SLA441B 925008-39	DO3 A69 ▼ A1	1N645TH 911D4-3 1286572-1	A54 ▼ A1	SA201 CD1123 1778936	▼ A1 ▼	
S322MS080P001□	S21c	12	1N250A TR302 2041929	▼ DO5 ▼ DO5	1N250B/C 322MS080-P002 2072019	▼ DO5 ▼ DO5	1N2156 TR402	D05 ▼	1N2158 1616993-1	▼ D05 ▼ S29	
S322MS080P002□	S21c	12	1N250A TR302 2041929	▼ DO5 ▼ DO5	1N250B/C 322MS080P001 2072019	▼ DO5 ▼ DO5	1N2158 TR402	D05 ▼	1N2156 1616993-1	▼ D05 ▼ S29	
S322MS135G001#			see 1N2047								
S322MS135P002#			see SV2021								
S322MS135P003#			see SV2022								
S322-MS163P001#			see USN1N754A								
322MS163P001#			see IN763								
S322MS163P002#			see SV125								
S322MS163P003#			see SV126								
S322MS163P004#			see SV127								
326B	S14g	12	1N1272 1N1282 54-167	▼ S14g ▼ #	1N1273 1N1295 322B	▼ S8e ▼ S8e	1N1274 1N1661 508C605HO2	S14c ▼ S14d	1N1275 1N1662	▼ S14c ▼ S14d	
327B		12	1N1331 1N1379 1N2059 720660-21	▼ S14h ▼ S8b ▼ S14f	1N1332 1N1671 1N2058	S14f S8b S8b	1N1377 1N1672 1N3162	S14a S14f S14e	1N1378 1N2057 S13736	▼ S8b DO9	
329B #			see 1N1661, 508C605EO2								
329E #			see B43000065								
C334C046HO1 □	7-PIN	14	1N843 AM624A AM716A	DO7 DO7 DO7	1N843M AM703 640289	A2a DO7 #	C334C047HO1 □ AM703A	9pin DO7	AM624 AM716	DO7 DO7	
C334C047HO1 □	9-PIN	14	1N843 AM624A AM716A	DO7 DO7 DO7	1N843M AM703 640289	A2a DO7 #	C334-C046HO1 □ AM703A	7PIN DO7	AM624 AM716	DO7 DO7	
335C #			see 1111431								
C336C631HO1 Mult.Dev.17			No replacement type available.								
338DD70 #			see 907D099-2								

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C348C19287-1	A21	11	IN434A STC108 HD6154	▼ A21 A21	IN458 ED2839 HD6189	▼ A21	IN458M MP3512 1249559-11	▼ A2 A2 A22	STC107 HD6007	A21 A21	
353-0116-00 #			see IN72								
353-0185-00 #			see MP3016								
353-0185-00 #			see IN198								
L353-1000-40#			see 1655137								
353-1527-00 #			see IN1301								
353-1528-00 #			see IN1302								
353-1529-00 □		12	IN1347 IN1615 IN2231A	▼ D04 S35	IN1347A IN2230 6F50 AM2005	▼ D04 D04 D04	IN1348 IN2230A CK7T5	▼ D04	IN1614 IN2231 AM1505	▼ #	
353-1530-00 #			see IN1304								
353-1530-00 #			see AN2005								
353-1762-00 □	C5a	13	No replacement types available.								
353-2008-00 □	A21	11	IN281 IN499 C202-321 HD2182	▼ D07 D07 A1 #	IN292 IN500 CTP462 527728	▼ D07 D07 A21 ▼	IN305 IN774 ED1847	▼ D07 D07 A22	IN498 IN775 ED1847S	D07 D07 A22	
353-2563-00 □	A1	13	IN718A IN2038 2031180	▼ D07 D012 ▼/A1	IN767 IN3024B S991178-16	▼ D07 A31a A23	IN1514A SV138	▼ D07	IN1775A 111356D	▼ A31	
353-2591-00	A25	13	IN1355A IN3024B SV1020	▼ D04 A31a SV1020	IN1427 1Z15A 2031401	▼ D03 D03 ▼/A25	IN1525A LPZ15A 2157094-3	▼ A31a C12	IN1775A PR620	▼ A31 A6	
353-2594-00 □	A1	13	GLZ14BBA SV137 CVC6014-16	▼ D07 D07 ▼/A1	LPZ14BBA SV242 H28139	▼ D07 A31a A1	FZ14T5 SV1019 2031179	▼ A21c A1	SV15 SV1087	▼ #	
353-2687-00 #			see SV5020								
353-2780-00 #			see IN34AS								
353-2780 #			see HD2120								
353-3001-005 □		17	4D20-12	▼	C1b	4D80N3	▼	C1b			
353-3083-00 □		14	IN3070 SP200 1682034-2	A22 A22 ▼/A21	MC002 AM704A	A2a D07	FSP55 AM717	M59 D07	FD200 AM717A	▼ A22 D07	
353-011600 #			see 1N173A								
353-011600 #			see 4JF2D4								
353-257800 #			see HD6616								
354-1787-1 #			see 1.5M182								
354-1788-1 #			see 1.5M2025								
SV359	D07	13	203-846	▼	A1	2041596	▼	A33			
386-9051P4 #			see 3C30A								
386-9051P6 □		17	2N1877 3C60A 3C200	T09 T09 T09	2N1877A 3C60 3C200A	T09 T09 T09	2N1878 3C100	T09 T09	2N1878A 3C100A	T09 T09	
SZ392		13	IN2814	C5a	IN2814B	▼	C5a	USN1N2814B	♦	C5a	IN3315
395B842P3R	N25	12	Observe proper polarity when using								
Reverse Polarity Type			1N2429 1N2434 395B844 #	D08 D08 D08	1N2430 10A14P	D08	1N2431 CH116B	D08 D05	IN413B 1N2433 4JA6011B	S54 DO8	
395B844 #			see 395B842P3R								
400E	N22	11	IN39 IN55 IN83	▼ D07	IN39A IN55A AB49D,400	▼ D07 #	IN39B IN55B HD2123	▼ D07 D07	IN47 IN59	▼ A23a	
CR401 #			see SPT50549B								
TR401 #			see IN2025								
BY402	S35	12	IN1342B IN1614A IN2492	D04 D04 D04	IN1344B IN2148 IN2590	S35 S35 ▼	IN1414 IN2148A BY704	S35 D04	IN1613A 1N2250A 720660-14	DO4 DO4 ▼/S35	
CR402 #			see SPT50549B								
TR402		12	IN1197A IN2277 IN2455	D05 D04 D05	IN2158 IN2278 IN3665	▼ D04 D05 ▼/S35a	IN2160 IN2453 2072019	D05 D05 S29	IN2276 IN2454	DO4 DO5	
MA408B	P3	16	IN1611A K408B MA461A	P3 P3 P3	IN1611B MA418A MA461B	P3 P3a P3	K408A MA418B	P3 P3a	MA408A MA452A	P3 P3	
MA409		15	IN21E IN415D 13-112062	P3 P3a P3	IN21WE IN416E	▼ P3a P3a	JAN1N21WE IN831	P3 A1	IN416B 1N831A	P3a A1	

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410A Multiple-Unit	N22 Device	11	1N96 1N118 AB49D.410A #	A21 A23a T3G S142G	1N98 A1 1N324A 1N2847	A21 DO7	1N100 T12G S423G	A21 DO7	1N117A T20G	A23a	
PS410A	A46	12	1D20-1 1N324A 1N2847	A1 DO4 S35	1N325A 1N1252 1N3544	DO2 A53 A1	1N551 1N1253 PS420	DO4 A53 A46	1N677 1N1692 HMP3A	A1 DO3 A53	
411A Multiple-Unit	N22 Device	11	1N210 1N388 OA5	C1 C10a	1N211 1N389	C1	1N212 1N390	C1	1N214 1N392	C1	
MA417	F3	16	JAN1N32 MA417 1021222-3	P3 F3 D4070 P1a	1N369 D4070 1021222-4	P1a	1N1610 MA4123	P1a DO7	1N2102 MA4123A	F3 DO7	
PS420	A46	12	1N332 1N345 617834-12	DO4 DO4 A38	1N334 USAF1N646 1778936	DO4 A1 A1	1N341 1N1254 NA22	DO4 A53 S4b	1N343 180653	A1 A1	
S423G	✓	DO7	1N42 1N99H 1N310 910D6-3	D07 A21 A23a A21	1N97A 1N100 A05	A23a A21 C10a	1N98 1N101 C99	A23a	1N99A 1N102 CID205	A23a	
426-10000	✓	12	1N1189 1N1682 1N2435	S29 DO8 25H50	USAF1N1189 1N2284 S21a	S29 DO4 S21a	1N1190 1N2285	S29 DO4	USAF1N1190 1N2286	S29 DO4	
426-10001	S4b	12	1N1223 1N1233	DO1 S25	1N1224 1N1234	DO1 S25	1N1225 308M	A34b S25	1N1226 320M	S25	
W427	#		see 44B251461-008								
SG428	#		see 910D58-3								
S428G	#		see 8950093-2								
S429C596G01 Multiple-Unit	Device	12	1N2224 1N1236 508C514H36	DO1 S25 A34b	1N1225 1N1443 508C574H34	A34b DO1 A1	1N1226 308M	DO1 S25	1N1234 320M	S25	
W430A	#		see 2017328-1								
DR435		11	1N461 1N1842 720635-9	A21 C1b A1	1N461M ED2834 1776085	A2a A1	1N910 HD6001	DO7 A21	1N911 HD6224	DO7	
SV443	#		see 925251-3								
CTP462	A21	11	1N771B	DO7	1N3753	DO7	CGD462	A21	HD2160	✓	
479-0198	#		see 910D6-3								
479-0203-002#			see 910D19-5								
479-0210-00#			see SG187								
479-0221-001#			see 910D57-3								
479-0223-001#			see 910D59-3								
479-0226-001#			see 911D3-3								
479-0227-001#			see 911D4-3								
479-0228-001#			see 911D5-3								
479-0233	#		see 911D11-3								
479-0258-001	A97	11	1N305 T8G 0253	A23a ▼ ▼	1N774 T9G 353-2008-00	DO7 A21	1N775 C202-321 CTP462	DO7 A1 A21	1N3666M1 0252	✓	
479-0258-002#			see 0252								
479-0259-001#			see 1N99								
479-0381-001#			see F057276-501								
479-0259-002#			see CSD2592								
479-0259-003#			see CSD2593								
SV479	#		see 8991178-6								
479-0234	#		see 911D12-3								
479-0237-001#			see 911D15-3								
479-0240	#		see 911D18-3								
479-0242	#		see 911D20-3								
479-0411-002#			see 67198-501-5								
SV486	#		see 8991178-8								
W486	#		see 2JC2189H04								
W486	#		see 2016286-2								
SV488	#		see 8991178-10								
W488	#		see 2JC2189H11								
W488	#		see 2016286-3								
SV489	#		see 8991178-11								
SV495	#		see 8991178-16								
499-105	#		see HD2100								

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SD500	A41	12	1N442B 1N612 1N2070 SD93A	DO3 DO4 A3c DO3	1N443B 1N612A 1N2612 816B520-4	DO3 DO4 A31a DO3	1N539 1N1489 1N3194	DO3 DO3 A50	1N540 1N1490 1N3278	DO3 A53 A38f	
AMI505 #			see 353-1529-00								
DI505	A38b	12	1N536 1N1556 1N2609	DO3 A31a	1N537 1N1644 1N2858	DO3 A53 DO2	1N607 1N2072 1N3277	DO4 A53 A38f	1N1487 1N2103 2157083-1	DO3 A53 A34a	
PR505	S4b	13	1N2041B SV2005		10Z5.1T5 720670-14	▼	202-376	▼	S19a	766-1001-3	S19
PS508 #			see 461049-6								
508C302H04 #			see 508C509H14								
508C303H07 #			see 303G								
508C304H02 #			see 508C540H22								
508C304H11 #			see 508C581H31								
508C304H12 #			see 508C581H12								
508C304H14 #			see 508C574H34								
508C320H08 #			see 508C516H58								
508C320H12 #			see 508C514H32								
508C320H16 #			see 508C514H36								
508C320H20 #			see 508C574H40								
508C509H14 Multiple-Unit Device	12		1N1186 1N1681 319E	S29 S14c	USAF1N1186 1N1682 508C302H04	▼♦	S29	1N1187 1N2282 B520	S29 DO4 M38	USAF1N1187 302D	S29
508C514H32 Multiple-Unit Device	A34b	12	1N1224 1N1236 508C320H12	DO1 S25 #	1N1225 1N1443 508C514H36	▼	A34b	1N1226 308M 508C574H34	▼	D01 S25	1N1234 320M 508C574H140
508C514H36 Multiple-Unit Device	A34b	12	1N1226 1N1916 1N2425	DO1 DO13 F8	1N1443 1N2398 508C320H16	▼	DO1 A32 #	1N1443B 1N2407 508C574H40	▼	A34a C8	1N1444 1N2416
508C516H58 Multiple-Unit Device	A34b	12	1N1223 4JA411DX155 307H	DO1 DO1 DO1	1N1224 1N1566A 308M	▼	DO1 C14 S25	1N1233 C14 320M	▼	S25 A86	1N1234 4JA411DB2AD1 426-1001
508C540H22 Multiple-Unit Device		12	1N250B 1N1202A USAF1N1204	S27 DO4 ▼♦ S27	1N1195 1N1202B 1N2590 WN5091E	▼	S29	1N1202 1N1203 303D	▼	S27 S27 S29	USAF1N1202 1N1204 304D
508C574H34 Multiple-Unit Device		12	1N1225 1N1443B 1N2407	A34b A34a C8	1N1226 1N1444 508C304H14	▼	DO1 S25 #	1N1236 1N1916 508C514H36	▼	S25 DO13 A34b	1N1443 1N2398 508C574H40
508C574H40 Multiple-Unit Device		12	1N1443	DO1	1N1443B	▼	A34a	1N1444	▼	S25	508C320H20
508C581H12 Multiple-Unit Device		12	1N1206 1N2583 1N2605	S27 S35 S35	USAF1N1206 1N2584 508C304H12	♦	S27 S35 #	1N1206A 1N2594 205980	▼	D04 S35	1N1206B 1N2595
508C581H31 Multiple-Unit Device		12	1N1348A 1N2153A 1N2557	DO4 S35 S35	1N1348B 1N2497 1N2572	▼	DO4 S35	1N1616A 1N2561 508C304H11	▼	D04 S35	1N2153 1N2571
508C605H02 Multiple-Unit Device		12	1N1272 1N1282 1N1295 329B	S14c S14g S8e #	1N1273 1N1283 1N1661	▼	S14c S14g S14d	1N1274 1N1292 1N1662	▼	S14c S8e S14d	1N1275 1N1293 54-167
508C605H03 #			see 322-1128P1								
508C610H28 Multiple-Unit Device	DO1	12	1N1224 1N1236 508C574H34	DO1 S25 ▼	1N1225 1N1443 508C574H40	▼	A34b DO1	1N1226 308M 320M	▼	DO1 S25	1N1234 508C514H36
SV512 #			see 8991178-22								
PS512A		11	1N456 ED2837	DO7	1N456M HD6005	▼	A2a A21	HD2151 HD6261	▼		ED2822 HD6764
PS514A		11	1N457 322-1068P1 HD6006	A21 C1 A21	1N457M FD326 624781-1	▼	A2 A22 A21	1N890 ED2838 7434802	▼	A21 A22	PD125 MQ4512
SV515 #			see 2243314-1								
AM0520 #			see USA1N249B								
PT520		12	JAN1N538 1N1253 1N1694	DO1 A53 DO3	1N551 1N1254 PS140	▼	DO4 A53 A47	1N553 1N1255 CEC4050	▼	DO4 A53	1N1169 1N1693 2016337-1

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1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
PT530		12	1N540 1N1255 TK41	▼ A53 ▼	D01 1N553 1N1694 PS140	▼ DO4 DO3 A47	1N1169 PT5 PT540	▼ A34b ▼	1N1254 SR40 CEC4050	▼ A53 ▼	
L531-000-048 #			see 1N250B/C								
L531-000-048 #			see 2041929								
L531-000-201 #			see 2041596								
L531-000-421-2 #			see 1N646								
L531-000-421-4 #			see 1N648								
L531-000-421-5 #			see 1N649								
L531-000-423 #			see 1225359-3								
L531-002-414 #			see 2262458								
L531-002-505 #			see 2059880								
L531-002-511 #			see 1N1569								
L531-002-514 #			see 2042174-4								
L531-002-914 #			see USN1N963B								
L531-003-932 #			see 2262669-2								
L531-002-932 #			see 1N2611								
L531-002-933 #			see 1N2612								
L531-002-935 #			see 2262264-5								
L531-003-651 #			see 2262389-8								
L531-003-711 #			see 1N467-7								
L531-003-880 #			see 2262623								
PS536 #			see 2JC2189H03								
PT540		12	1N540 1N1255 TK41 CEC4050	▼ A53 ▼	D01 1N553 1N1695 PS140 575R428H09	▼ DO4 DO3 A47	1N1169 1N2095 PS160	▼ A34b ▼	1N1169A SR40 575R428H10	▼ A34b ▼	
SZ540 #			see A32113865								
SV544 #			see 615010-22								
ML553	S4b	12	1N333 1N444 1N685 TL41	▼ DO3 ▼ A1	D04 1N335 1N534 2JC2898-13 SM145	▼ DO4 DO4 # #	1N342 1N604 4JA5DX31 SA301	▼ DO1 ▼ A62	1N443 1N605 TJ40A PS674	▼ DO1 ▼	
AZ554 #			see SZ554								
SZ554	✓ S4b	13	1N1375A 1N3005B AC052858A	▼ DO4 ▼	D04 1N1423 G9P16660 615003-9	▼ DO4 S28	1N2008A 10M100Z5 615003-309	▼ DO4 DO4 S28	1N2838B AZ554	▼ #	
S555G	D07	14	1N994 Q7-100 D1820		1N995 Q7-250 720603-4	▼	1N3467 CGD1093	D07 A21	Q7-050 S570G	▼ DO7	
S570G	D07	14	1N994 GMD5		1N995 CGD1093	A21	1N3146 D1820		1N3467 720603-4	▼ DO7	
SV575 #			see L2088293-8								
575R089H01 #			see SE189C								
575R338H02	D04	13	Reverse Polarity Type		Observe proper polarity when using 1N1419 USN1N2816B SV2023	♦ C5a ▼	following replacements 1N1607A 1N2982B SV2120	DO4 DO4 DO4	1N1357A 1N2048A W1364RA	▼ #	
575R338H05	D04	13	Reverse Polarity Type		Observe proper polarity when using 1N1423 10M100Z5	▼ DO4	following replacements 1N2008A W1375RA	DO4	1N1375A 1N3005A	▼ DO4	
575R338H06	D04	13	Reverse Polarity Type		Observe proper polarity when using 1N2829B AV8044	▼ C5a S11	following replacements USN1N2829B AV8045	C5a S11	1N1829A W1367RA	▼ #	
575R338H08	D04	13	Reverse Polarity Type		Observe proper polarity when using PR613	A6	following replacements USN1N2807B W2013	C5a DO4	1N2044C 10Z9.1T5		
575R428H03	A47	12	1N440B 1N1645 SK16 2157083-1		D03 A53 A84 A34a	1N537 1N1692 SD91A	▼ DO3 DO3 DO3	1N1487 1N2610 PS873	DO3 A31a	1N1439 1N2859 1N3629	▼ DO2 A111
575R428H09	A47	12	1N1697 1N3196 575R428H10	▼ A50 ▼	D03 A50 A47	1N2095 1N3256 PS879	▼ A50a #	M21 1N2773 AEC8050	A40 A38f	1N2774 RE10 PS160	A40a A31 A47
575R428H10	A47	12	1N2773 1N3256 PS160	▼ A50a ▼	A40 A38f	1N2774 1N3751 PS880	#	A40a A38f	A40a A38f	1N3196 RE10	A50 A31
575R570H01	S19a	12	1N1343B 1N1347A 1N2252A F1063	▼ #	D04	1N1344B 1N1348 1N2253A	▼ S26 S35	1N1346B 1N1614A 6F50	D04 D04	1N1347 1N1615A SM220	S26 # DO4

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
575R743H06	A27	13	1N465 1N702A SV3145A	▼ D07 A45	1N465A SV3120 WX57436	▼ A45	1N465A2 SV3143A 720670-35	▼ A21	1N702 SV3144A 925251-12	▼ A45 DO14	
575R743H09	A27	13	1N766A SV136 2019599-12	D07 D07 A25	1N964A SV1018	▼ D07	USN1N964B WX53439	#	D07 1N3521 720670-73	DO7 A46	
575R743H11	A27	13	1N979B 1N3039B	▼ D07 A31a	USN1N979B CD3169	▼ D07	1N1885 WX534311	#	1N1941		
575R743H13	A27	13	JJC7877H15 1N1430 1N3528	▼ D07	C1 1N669 1N1528A 8991178-22	▼ D03 A23	1N971B 1N1781A 1N1937A	♦ A31	USN1N971B WX534313 2243275	DO7 D07	
575R786H02	A23	13	1N665 USN1N963B 1N3520	▼ D07 D07	1N759A 1N1426 W716	▼ A1	USN1N759A 1N1513A 615010-10	▼ A1	1N963B 1N1524A	DO7 D03	
575R786H05	A23	13	1N664 1N3018B 1N3155A FZ8.2T5	▼ A31a D07 A21c	1N756A IN3154 IN3156 W712	▼ D07 D07 #	A1 D07 D07	USN1N756AM 1N3154A 1N3156A	♦ A1 D07	1N959B 1N3155 1N3516	DO7 D07 D07
575R786H06	A23	13	1N972B 1N1728A W725	D07 ▼ A31 #	USN1N972B 1N1882A30V 625013-73	▼ D07 A86	1N1361A 1N3529 625013-074	▼ A23 A86	1N1421 3Z30A	▼ D04	
575R786H18 #			see PS732								
575R786H19	N12d	13	LPZ45BB-A AV2044 AV4045	A31a A19 S10	W730	#	UZ745 AV2043 AV4043 AV8043	A19 S11	A60 S10 S11	AV2043 AV4044 AV8045	A19 S10 S11
575R809H03 #			see W1787A								
576R068H01 #			see 1N1734								
576R068H02	A48d	12	1N1733 1N2901 7701-4	A48d A48k	USA1N1733 1N2910 720680-5	A48d ▼ A48b	1N2382 1N2911	▼ A48c A48k	1N2900 1N3764		A107
576R068H03 #			see 1N1732								
576R068H04 #			see 1N2384								
576R124H01	A38d	11	1N484A 1N483A 1N483C W22	▼ D07 A62	1N484B 1N483AM 1N483M	▼ D07 A2a A2a	1N458A 1N483B 1N484AM	▼ A46 A62 A2a	1N483 1N483BM 1N484BM	▼ A62 A2a A2a	
576R209H01 #			see 1N691								
576R209H02	D07	14	1N691 1N922 W691	▼ D07 #	1N692 1N923 MA4446	D07 D07 D07	1N693 1N3298 720680-6	▼ D07	1N921 1N3653	DO7	
576R374H01	A38d	14	1N643A 1N842M	▼ A2a	1N809 DR901	#	1N809M W1524	# A2a	1N842		
593B49 Multiple-Unit Device		11	1N484A 1N483B 1N484BM	▼ A62 A2a	1N484B 1N483BM 1N484C	▼ A2a	1N483A 1N483C DA6033	▼ A46 A46	1N483AM 1N484AM	A2a A2a	
593B50 Multiple-Unit Device		11	1N484B 1N483B 1N484BM	▼ A62 A2a	1N484C 1N483BM 1N484C	▼ A2a	1N483A 1N483C FA3040	▼ A46	1N483AM 1N484AM	A2a A2a	
593B51 Multiple-Unit Device		11	1N484B 1N483B 1N484BM	▼ A62 A2a	1N484C 1N483BM 1N484C	▼ A2a	1N483A 1N483C DA6033	▼ A46	1N483AM 1N484AM	A2a A2a	
PS594		11	3BS1 PS603 CE78619	▼ A6a A3c	FD338 PS605 D78619	A22 A22 A3c	FD339 CD1113	▼ A22 A22	FD340 HD2160	A22	
SV594 #			see 203-846								
S595G	D07	14	G107 1N418 #A86		G108 1N632	D07	1N191 G2	▼ A21	1N192 G18	A21	
PS596 #			see 2016286-2								
PS596 #			see 2JC2189H04								
TI600C	C3	11	1N207 1N458 STC104 TI601C	▼ A21 A21 C3	1N303A 1N458M SG132 MP3512	▼ A2 D07 A2	1N385 1N1843 X203-4	# C1b	1N432 STC103 FD327	A21 A22	
TI601C	C3	11	1N457 322-1068P1 624781-1	▼ A21 C1 A21	1N457M FD326 7434802	A2 A22 A22	1N890 PS514A MQ4512	▼ A21 A21	PD125 HD6006	A2 A21	

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KS602BA	DO4	12	USAF1N1202 1N1345B BY704	S27 ▼♦ DO4	1N1342B 1N1613A 720660-14	DO4 ▼□ S35	1N1343B 1N1614A	DO4	1N1344B 1N2566	▼ S35
KS602MA #			see 2059880							
B603	A1	12	1N316 1N2013 TJ5A	A53 ▼ A97	1N316A 1N3072 210-0045D	DO2 #	IN599 TM3 790-1085-001	DO1 ▼ A1	IN846 PS005	▼ A21 A46
CTP605	A1	14	JAN1N276 0251	DO7 ▼ A97	1N760 DXX761-1000-1	DO7	T16 ED2051	A22	G127	
TI606C	C3	11	1N108 1N776 DR427	DO7 DO7 DO7	1N200 1N1839 DR464	C1 C1b DO7	1N432B 1N300B ED1980		1N449 OA9	D07 C10a
TI608C	C3	11	1N203 G159	▼ DO7	C1 ED2833		1N447 HD6777	▼ A21	1N1841	C1b
SV613 #			see 967197-501-7							
TI618C #			see 1N539							
TI620C	C3	11	1N303A STC105 HD4420	▼ A21	1N352 STC106 474988-1	▼ C1b A21 N50	1N433A STC107 925255-2	▼ A21 M51a	PD105 STC108	A2 A21
TI622C	C3	11	1N434A STC108 HD6154	▼ A21 A21	1N458 ED2839 HD6189	▼ A21	1N458M MP3512 1249959-11	▼ A2 A2 A22	STC107 HD6007	A21 A21
TI624C	C3	11	1N302A PD113 HD6154	▼ A2 A21	1N354 PD114 1249959-11	▼ C1b A2 ▼□ A22	PD111 PD114 PD115	A2 A2	PD112 CK863B	A2
W628 #			see 2JC3636H01							
W629 #			see 2JC3636H02							
BOL-0634 #			see NA-2R							
TI650C0	C3	13	1N748A 1N1599A T1650C1 A8706018-1	▼ A1 ▼ #	1N1507A USN1N748AM 900120-86	▼ A1 ▼□ A101	1N1518A 1N3508 925016-5	▼ DO3 DO7 ▼ A1	1N1588A A63 7901722-001	▼ ▼ ▼
TI650C	C3	13	1N467 1N748A TI650C4	▼ C1 A1 ▼	1N472 USN1N748AM 720670-77	▼ C1 A1 N12d	IN704 1N1927A 900120-86	DO7 ▼ A101	IN705A TI650C3 A8706018-13	▼ ▼ #
TI650C1		13	1N748A 1N1588A 925016-5	▼ A1	USN1N748AM 1N1599A 7901722-001	▼ A1 C3	1N1507A 1N3508	▼ DO7	1N1518A 900120-86	▼ A101
TI650C3	C3	13	1N467-3 TI650C4	▼ C1 ▼	1N748A 720670-77	▼ A1 N12d	USN1N748AM 1979107-2	▼ A1	1N1927A A8706018-5	▼ #
TI650C4		13	1N467-3 TI650C3	▼ C1 C3	1N748A 720670-77	▼ A1 N12d	USN1N748AM 1979107-2	▼ A1	1N1927A	▼
TI650C5		13	1N705A 1N3509 1979107-2	▼ DO7 DO7 ▼ A1	1N467-3 TI650C4	▼ C1	1N749A 650C6	▼ A1	USN1N749AM 720670-77	▼ A1 N12d
TI651C	C3	13	1N473 E48 TI651C2	▼ C1 ▼□ A46	1N705 SV122 TI651C4	▼ DO7 ▼ C3	USN1N751AM 322MR060P001 SV1005	▼ A1 C1 A31	1N1982 TI651C1 111356A	▼ ▼ ▼
TI651C0		13	1N2041A SV1004	▼ SV121 HZ8122		DO7	SV191 L221821-4	▼ A8a	PR504 8937584-11	S4b N12b
TI651C1		13	1N674 1N1508A 1Z4.7A	▼ DO3 322MR060P003	1N750A 1N1519A	▼ DO3 C1	USN1N750A IN1589A	▼ A1	1N1484 IN3510	▼ DO7
TI651C2		13	E48 TI651C5 720670-14	▼ A46 C3 ▼ S11a	E88 766-1001-3 925251-13	▼ S19 A1	SV122 SV1005 1617451-1	▼ A31 C1	TI651C4 111356A	▼ C1
TI651C4		13	E48 TI651C2 SV1005 1617451-1	▼ A46 A31 C1	E88 TI651C5 SV2005 A8706018-12	▼ C3 ▼ A1	SV122 720670-14 111356A	▼ S11a C1	PR505 766-1001-3 925251-13	▼ A4b S19 A1
TI651C5	C3	13	E48 TI651C4 SV2005 1617451-1	▼ A46 ▼ C1	E88 DXX766-1000-25 111356A A8706018-6	▼ A1 ▼ C1	SV122 766-1001-3 720670-14	▼ S19 S11a ▼ S11a	TI651C2 SV1005 925251-13	▼ A31 ▼ A1
TI651C6		13	1N751A E48 L221821-1	▼ A1 ▼ A46 A8a	USN1N751AM PR605	▼ A1 A6	IN3511 TI651C6	▼ DO7	QZ5.1T5 SV1005	A21c A31
TI651C7		13	1N751A TI651C6	▼ A46	1N3511 766-1000-2	▼ DO7	A7B 925008-31	▼ A23	322MR060P002	C1

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TI651C8		13	322MR060P002▼	C1	TI651C7	▼	766-1000-2 ▼□	D07	925008-31 ▼□	A23	
TI651C9		13	1N469A ▼ 1N1509A ▼ PS6469A ▼		1N474A6.2V ▼ 1N3512 ▼ 1777516 ▼	D07 E145 C1	1N706A ▼ 2041596 ▼	D07 A1 A33	1N762A ▼ SV1006 ▼	D07	
PS652 #			see 461049-1								
TI652C0		13	1N469A ▼ 1N1509A ▼ SV1006 ▼		1N474A6.2V ▼ 1N3512 ▼ PS6469A ▼	D07	1N706A ▼ 1777516 ▼	D07 E145 C1	1N762A ▼ TI652C1 ▼ 2041596 ▼	D07	
652C	C3	13	1N469 ▼ 1N706 ▼ 1N1956	C1 D07	1N469A ▼ 1N706A ▼ 1N1983	C1 D07	1N474 ▼ 1N1929 ▼ 652C0 ▼	C1	1N474A6.2V ▼ 1N708 ▼ 1777516 ▼	A21 C1	
TI652C1		13	1N469A ▼ 1N1509A ▼ SV1006 ▼	C1	1N474A6.2V ▼ 1N3512 ▼ PS6469A ▼	D07	1N706A ▼ 1777516 ▼	D07 E145 C1	1N762A ▼ 652C0 ▼ 2041596 ▼	D07	
TI652C2		13	1N469A ▼ 1N1485 ▼ SV124 ▼ 1777516 ▼	C1	1N474A6.2V ▼ SV1007 ▼□	A31	1N706A ▼ 1Z5.8T5 ▼ CD3123 ▼	D07 D03 A23	1N709A ▼ WSTR7 ▼ PS6469A ▼	D07 C1	
TI652C4		13	1N429 ▼ 1N821 ▼ TI652C6	C1 D07	1N675 ▼ USN1N821 ▼ 652C7 ▼	D07	1N709A ▼ 1N821A ▼ SV1007 ▼□	D07 D07 A31	1N753A ▼ TI652C5 ▼	A1 C3	
TI652C5 □	C3	13	1N429 ▼ USN1N753A ▼ TI652C6	C1 D07	1N675 ▼ A1 ▼ 652C7 ▼	D07	1N709A ▼ USN1N821 ▼ SV1007 ▼□	D07 D07 A31	1N753A ▼ 1N821A ▼ A8706018-7 #	A1 D07	
TI652C6	D07	13	1N429 ▼ 1N824 ▼ 720670-31	C1 D07	USAF1N429 ▼ 652C7 ▼ 752909 ▼□	A27	1N821 ▼ 652C8 ▼ 911D15-3 ▼	D07 C1	1N822 ▼ DXX766-1000-5 ▼□	D07	
TI652C9		13	1N826 ▼ 202-359 ▼ 911D15-3	A1 C1	1N827 ▼ DXX766-1000-5 ▼□	D07	USN1N827 ▼ A99250-114 ▼	D07 A38d	1N1735 ▼ 752909 ▼□	A27	
TI653C0		13	1N2043A ▼ 67198-501-5	A1	SV125 ▼ 1617451-2 ▼	D07	TI653C1 ▼ 2031121 ▼□	A25	SV1008 ▼ 2243314-1 ▼□	A1	
TI653C	C3	13	1N470 ▼ 1N1510 ▼ AZ2	C1 2031177	1N475 ▼ 1N1930 ▼ 653C4 ▼ 8706018-8 ▼□	C1 A23	1N707 ▼ 1N1957 ▼ TI653C4 ▼□	D07 C3	1N763 ▼ 1N1984 ▼ 911D12-3 ▼	D07	
TI653C1		13	1N2043A ▼ 67198-501-5	A1	SV125 ▼ 1617451-2 ▼	D07	TI653C0 ▼ 2031121 ▼□	A25	SV1008 ▼ 2243314-1 ▼□	A1	
TI653C2		13	USN1N754A ▼ 653C4 ▼ 8706018-8	A1	1N763A ▼ TI653C4 ▼ 8991178-8 ▼	D07 A23	SV126 ▼□ 911D18-3 ▼	A1	TI653C3 ▼ 2019613-5 ▼□	A1	
TI653C3		13	USN1N754A ▼ 653C4 ▼ 8706018-8	A1	1N763A ▼ TI653C4 ▼ 8991178-8 ▼	D07 A23	SV126 ▼□ 911D18-3 ▼	A1	TI653C2 ▼ 2019613-5 ▼□	A1	
TI653C4	C3	13	1N1510A ▼ SV1009 ▼ 1979832-5	A1 A27	IN2043B ▼ S1010 ▼ 8706018-8 ▼□	C3	MZ7.5T5 ▼ SV2009 ▼	D03	TI653C4 ▼□ 1979832-4 ▼□	C3 A27	
TI653C6	D03	13	1N755A ▼ 1N3515 ▼ TI653C7	A1 D07 C3	USN1N755A ▼ D111 ▼ DXX766-1000-7 ▼□	D01	1N958B ▼ SV127 ▼ SV1010 ▼	D07 D07	1N3017B ▼ OAZ245	A31a	
TI653C7	C3	13	1N755A ▼ QZ7.5T5	A1 A21c	USN1N755A ▼ D111 ▼ 1617451-3 ▼	C1	IN958B ▼ SV127 ▼ 2019600-17 ▼□	D07 D07 A1	1N3515 ▼ X203-3 ▼	D07	
TI653C8		13	1N664 ▼ GZ7A ▼□	A1	1N756A ▼ SV128 ▼ 1N1313A7.8V ▼	C1	USN1N756AM ▼ 575R786H05 ▼ L2088293-8 ▼	A1	1N1416 ▼ 653C9		
TI653C9	□	C3	1N430 ▼ 1N1530A ▼ 1979829-1 ▼ 8954883-2 ▼	S20 C7 A23 C7	1N430A ▼ GZ7A ▼□ L2088293-8 ▼ 8991178-10 ▼	S20 A1 A1 A23	1N430B ▼ SV128 ▼ A8706018-9 ▼	S20 D07	1N1313A7.8V ▼ TI653C8 ▼□ A8706018-11 #	C1	
SG654 #			see 1687283								
TI655C9	C3	13	1N701 ▼ 1N3518 ▼ A99250-119	D07 A38d	1N758A ▼ SV133 ▼ 111356B ▼	C1	USN1N758A ▼ TI655C9-10V ▼ 2019600-8	A1 C3 A1	1N961B ▼ SV1015 ▼	D07	
TI655C9-10V	C3	13	1N701 ▼ 1N3518 ▼ A99250-119	D07 A38d	1N758A ▼ SV133 ▼ 111356B ▼	C1	USN1N758A ▼ TI655C9 ▼ 2019600-8	A1 C3 A1	1N961B ▼ SV1015 ▼	D07	
PS656 #			see 461049-5								
S659 #			see 2016286-2								

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1B. DIODE & RECTIFIER REPLACEMENTS

IN TYPE NUMBER SEQUENCE

NAVY STOCK TYPE TO BE REPLACED*			DIRECT REPLACEMENT								
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
PS674		12	1N443 1N605A 1N947	▼ DO1 SLA444	1N444 1N606A 2016286-3	▼ DO1 A69	1N445 1N648TH	A54 A1	1N604A 1N649TH	D01 A54	
SV674 #			see 967197-501-9	No Replacement types	available						
TI680 Encapsulated Bridge											
L682-034-1 #			see 1N3064								
W691 #			see 576R209H02								
PS699 #			see L291664-4								
BY704	DO4	12	1N1345B 1N2150 1N2494	S35 DO4	1N1346B 1N2150A 1N2590	S35	1N1414 1N2252A 720660-14	▼ S35	1N1615A 1N2253A	D04 S35	
CK711 Diode Assembly		17	No replacement types	available							
RA711 #			see S237C								
CK711A Diode Assembly		17	No replacement types	available							
SZ712 #			see 2243272-1								
W712 #			see 575R786H05								
W716 #			see 575R786H02								
CK719 Matched Quad		17	No replacement types available								
PS721		14	1N659 1N660AM PD124 1391107	▼ A1 A2a A2 ▼ DO14	1N659A 1N660M TI252	D07 A2a A110	1N659M 1N661M TI253	A2a A2a A110	1N660 USN1N914 L291664-6	▼ D07 #	
BY722 #			see USAF1N1202								
BY722 #			see A100583								
SG723 #			see 925008-39								
W725 #			see 575R786H06								
W730 #			see 575R786H19								
PS731		14	1N660 SG217 HD6557	▼ A1 ▼ DO14	1N660AM TI253 HD6648	A2a A110 A21	1N660M ED2854 1391107	▼ DO14	SG212 HD6551	▼ ▼ #	
PS732		14	1N251A 1N660 SG211 1391107	DO7 A1 ▼ DO14	1N659 1N660AM FD245	A1 A2a A22	1N659A 1N660M FD252	DO7 A2a A22	1N659M 1N661M 575R786H18	A2a A2a #	
D744-995-10 #			see SD10								
PS750 #			see 2JC3636H01								
A750-180 #			see 1N79								
755-402-092-1#			see 8-7228								
755-800-283 #			see 8-6625								
755-402108 #			see 1N627								
S759G #			see 907801								
PS761 #			see 2JC3636H02								
DXX761-1000-1#			see 1N270								
DXX761-1000-1#			see CTP605								
DXX761-1000-3#			see 1N270								
DXX764-1000-1#	DO7	14	1N658 1N663M 1N844 764-1000-1	▼ DO7	1N658A 1N837A 1N844M	A2a A21 DO7	1N658M 1N837AM USN1N3070	▼ A22	1N663A 1N837M DR521	A46 A2a	
DXX764-1000-3#			see 1N482								
DXX764-1000-2#			see 1N461								
DXX764-1000-4#			see 1N482A								
DXX764-1000-5#			see 1N483A								
DXX764-1000-6#			see 1N484A								
DXX764-1000-7#			see 1N486A								
DXX764-1000-8#	DO7	14	1N903A 1N908AM 1N3062 1N3066	A22 A2a	1N903AM 1N908M 1N3062M 1N3066M	A2a A2a A2a A2a	1N903M 1N914 1N3064 DR835	▼ DO7 #	1N908A USN1N914 1N3064M 720608-4	A22 D07 A2a ▼ A1	
CTP765 #			see 907801								
CTP766	A21	11	1N97A 1N141 1N448	▼ A23a DO7	1N98 1N289 DR207	A21 DO7	1N99A 1N298	▼ DO7	1N100 1N313	A21 A23a	
DXX766-1000-2#	DO7	13	1N751A SV1005	▼ A46	SV123	▼	322MR060P002	C1	TI651C6	▼	

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IN TYPE NUMBER SEQUENCE

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.			
DXX766-1000-4	D07	13	1N668 1N1522 SV168	▼ ▼ ▼	1N969B 1N1880A SV1033	DO7 DO3 DO7	USN1N969B 1N3526 HZ8156	▼ ▼ ▼	D07 D07 D07	1N1516A SV24 2030318	▼ ▼ ▼		
DXX766-1000-5	C1	13	1N429 1N824 752909	▼ ▼ ▼	C1 DO7 A27	USAF1N429 1N1735 1979821	C1 A27 C1	1N821 911D15-3 8954881-6	▼ ▼ ▼	D07 C1 N44	1N822 720670-31	▼ ▼	
DXX766-1000-6#			see SV125										
DXX766-1000-7	D07	13	USN1N755A 1N3515 SV127	▼ ▼ ▼	A1 DO7 DO7	1N755A FZ7.5T5 SV1010	A1 A21c ▼	1N958B QZ7.5T5 1979832-5	▼ ▼ ▼	D07 A21c A27	1N3017B 2019600-17	▼ ▼	
DXX766-1000-8	A45	13	SS3140		A27	SV3140	A45	SV3140A	▼	A45			
DXX766-1000-10	A45	13	IZ23A AV4022 SV4022A	▼	DO3 S10 A45	E5T50A23 S10 SV4022	A78 A45	E5T50B23 AV8022	▼	A78 S11	AV2022 620385-22	▼ C1	
DXX766-1000-11#			see SV122										
DXX766-1000-16#			see 1N1771A										
DXX766-1000-18#			see 1N1775A										
DXX766-1000-19#			see SV1015										
DXX766-1000-22#			see SV133										
DXX766-1000-25#			see TI651C5										
DXX766-1000-23#			see SV1017										
DXX766-1000-26	A1	13	1N749 1N3824 720670-77	▼ ▼ ▼	A1 A31a	1N749A 1Z4.3T5	▼ ▼	A1 DO3	USN1N749AM 3Z4.3T5	♦ ♦	A1	1N3509 M24.3T5	D07
DXX766-1001-1	S19	13	1N1601 1N2042A 1979827-2	▼ ▼ ▼		1N1601A ZK5.6	▼ ▼	S19	1N1803 10EZ5.6T10	▼ ▼	S11 S22	IN2042 SV905	▼ ▼
DXX766-1001-3	S19	13	IN2041B SV2005	▼ ▼		10Z5.1T5 720670-14	▼ ▼	S11a	202-376	▼ ▼	S19a	PR505	S4b
DXX766-1001-4	S19	13	1N1351A 1N1892 10M10ZR5	▼ ▼ ▼	DO4 DO4 DO4	1N1604 1N2044D PR514	▼ ▼ ▼	DO4 DO4 S4b	1N1604A 1N2045 SV2014	▼ ▼ ▼	DO4 DO4 S19a	1N1743 1N2498A	▼ DO4
DXX766-1001-5#			see SV2021										
DXX766-1001-6#			see SV2023										
DXX766-1001-8	S19	13	1N1359A 1N2049 1N2986B	▼ ▼ ▼	DO4 DO4 DO4	1N1420 1N2049A 50M22ZR5	▼ ▼ ▼	T03	1N1608A USN1N2819B SV924	♦ ♦ ▼ ▼	DO4 C5a S19a	1N1821A USA1N2985B	▼ DO4
DXX766-1001-9#			see 1N1365										
DXX766-1001-10#			see 1N1804A										
DXX766-1001-11#			see 1N1807A										
DXX766-1001-13#			see 1N1367A										
DXX766-1001-14#			see 1N1369A										
DXX766-1001-16#			see SV2007										
DXX766-1001-17#			see SV915										
DXX766-1001-18#			see SM72										
DXX766-1001-20#			see SV918										
775-402108 #			see 8-7453										
CK775	S29	12	1N1058 1N1341B 1N2147	▼ ▼ ▼	S67 S35	1N1064 1N1612 1N2228	▼ ▼ ▼	S66a DO4 DO4	1N1070 1N1612A 1N2229	▼ ▼ ▼	S83a DO4 DO4	1N1341A 1N1614 1N2491	▼ DO4 DO4
CK776	S29	12	1N1347 1N1615 1N2231A	▼ ▼ ▼	S26 DO4 S35	1N1347A 1N2230 6F50	▼ ▼ ▼	DO4 DO4 DO4	1N1348 1N2230A AM2005	▼ ▼ ▼	S26 DO4 DO4	1N1614 1N2231	S35
SV808		13	1N1416 1N2044 SV1011	▼ ▼ ▼	DO4	1N1511A 1N2044B SV1012	▼ ▼ ▼		1N1808 1N2972B SV2012	▼ ▼ ▼	DO4 DO4	1N2035 16A-17 L221821-9	DO12 ▼ A8a
CTP808	✓	A1	1N417 Q50-950 HD2764	▼ ▼ ▼		1N631 Q60-500 HD2765	▼ ▼ ▼	DO7	Q50-500 Q60-750	▼ ▼		Q50-750 Q60-950	
WX809F			see 720699-110										
CTP810	✓	A1	1N417 Q30-950 CTP808	▼ ▼ ▼	A1	1N631 Q40-500 HD2764	▼ ▼ ▼	DO7	Q30-500 Q40-750 HD2765	▼ ▼ ▼		Q30-750 Q40-950	
SV810	#		see USN3021B										
SV810	#		see 8950133-1										
CGD810A	#		see 0253										
CTP811	#		see 0252										
SV815		13	1N1355A 1N1606A LPZ15A	▼ ▼ ▼	DO4 DO4 A31a	1N1418 1N1775A SV915	▼ ▼ ▼	A31	1N1427 1N3024B 2157094-2	▼ ▼ ▼	A31a C12	1N1525A 1Z15A D615002-1	▼ DO3 #

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
816B520-1 #			see 1N536								
816B520-1 #			see 307A								
816B520-2 #			see 1N537								
816B520-3 #			see 1N538								
816B520-3 #			see 307D								
816B520-4 □	DO3	12	1N442B ▼ 1N612A ▼ CODI613	DO3 DO4 A76	1N443B ▼ 75E4 DI646	DO3 A3c A38b	1N444B ▼ SLA442B	DO3 A69	1N445B ▼ CODI533	DO3 A75	
816B520-5 #	□	DO3	12	1N444B ▼ 1N3282 CODI535	DO3 DO7 A75	1N445B ▼ 75E5 CODI615	DO3 A3c A76	1N2880 SLA444B DI648	A69 A38b	1N2881 SLA445B	A69
DR835 #			see USN1N914								
DR835 #			see DXX764-1000-8								
CK844-1 #			see 2JC4261H06								
CK845-1 #			see 2JC4261H07								
CK846		12	USN1N1124A ▼♦ 1N2520 CK848 ▼	DO4 S35	1N2513 1N2521 B94327	DO4 S35	1N2514 ▼ RX106	DO4 DO4	1N2515 CK847 ▼	DO4	
CK847		12	USN1N1124A ▼♦ 1N2519 CK849	DO4 S35	1N2513 1N2521	DO4 S35	1N2514 ▼ 1N2520	DO4 S35	1N2515 CK848 ▼	DO4	
CK848		12	1N1092 ▼ 1N2237 1N2521	F25 S35 S35	1N1126A ▼ 1N2237A 1N2799	S35 DO5	USN1N1126AM 1N2514 ▼ 720660-14	DO4 DO4 S35	1N1615 ▼ 1N2515	DO4 DO4	
PS856 #			see 925049-504								
S856G #			see 1N643								
S856G #			see 1N658								
S856G #			see 1N662								
S856G #			see 1N914								
S856G #			see 908290								
SV905		13	1N1601 ▼ 1N2042A 1979827-2	S4c	1N1601A ▼ ZK5.6	S19	1N1803 ▼ 10EZ5.6T10	S11 S22	1N2042 ▼ DXX766-1001-1	DO4 S19	
CGD871 #			see 1N658								
PS871 #			see 2016337-1								
PS873 #			see 575R428H03								
CGD879 #			see 1N643								
CGD879 #			see 1N662								
CGD879 #			see 1N914								
CGD879 #			see 908290								
PS879 #			see 575R428H09								
PS880 #			see 575R428H10								
DR881 #			see 1687283								
895-0230-2 #			see USA1N2990B								
895-0230-4 #			see USA1N2990B								
895-0230-6 #			see USA1N2990B								
895-0230-8 #			see USN1N2990B								
A895-501-33-1#			see USN1N3021B								
A899-1170-5 #			see 1N2624A								
A899-1179-7 #			see LPZ12A								
DR901 #			see 576R374H01								
SV905		13	1N1601 ▼ 1N2042A 1979827-2 ▼	S4c	1N1601A ▼ ZK5.6	S19	1N1803 ▼ 10EZ5.6T10	S11 S22	1N2042 ▼ DXX766-1001-1	DO4 S19	
SV906 #			see 1N2044								
907D099-1 □	N42	12	1N1186 ▼ USAF1N1188 ▼♦ USAF1N1189 ▼♦ 302F ▼	S29	USAF1N1186 ▼♦ S29 1N1190 ▼ S29 1N1681 ▼ S29 322DD70 #	S29	1N1187 ▼ USAF1N1190 ▼♦ P46A6314 ▼♦ WN5051C ▼	S29 S29 S29 N55 S29	1N1188 ▼ 1N1189 ▼ 302D ▼ S29	S29 S29 S29	
907D099-2 □	N42	12	1N1186 ▼ USAF1N1188 ▼♦ USAF1N1190 ▼♦ 302F ▼	S29	USAF1N1186 ▼♦ S29 1N1189 ▼ S29 1N1681 ▼ S29 338DD70 #	S29	1N1187 ▼ USAF1N1189 ▼♦ P46A6314 ▼♦ WN5051C ▼	S29 S29 S29 N55 S29	1N1188 ▼ 1N1190 ▼ 302D ▼ S29	S29 S29 S29	
SV910		13	1N714 SV11 A99250-119	DO7 A38d	1N1512A ▼ SV133 ▼ 2019600-8	D07 A1	1N1932 DXX766-1001-4 8950133-1	S19 A27	1N2036 ▼ SV1015 ▼	DO12	
910D2-3 #			see SG131								
910D4 *			see SG133								

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910D6-3	A21	11	1N42 1N99A 1N310 S423G	▼ A23a A23a A23a ▼	D07 1N100 OA5 DO7	1N97A 1N101 C99 479-0198	A23a A21 C10a #	1N98 1N101 C99	A23a A21 A61	1N99 1N102 CID205	A21	
910D12-3	#		see SM180									
910D12-3	#		see USN1N1124A									
910D19-3	#		see SM181									
910D19-5	S4b	12	1N253 1N1564A 1N3757	▼ C14 A38f	D04 1N1909 C202-356	1N253C 1N1909 ▼	D04 A86 DO4	1N338 1N2292A 479-0203-002#	D04 S35	1N611A 1N2350	D04	
910D42-3	#		see SG187									
910D57-3	□	D07	1N444 1N649TH DI648 461049-6	▼ A54 A38b ▼	D03 A54 A38b A1	1N605A 1N3079 DI649	DO1 A46 A38b	1N647TH 1N3080 DI650	A54 A38b	1N648TH 479-0221-001# 911D5-3	A54	
910D58-3	□	A1	SG428	#		1293411-1	▼	A1				
910D59-3		11	1N273 1N309 479-0223-001#	▼ A23a	D07 A23a ED2010	1N283 1N461A ED2010	DO7 A46	1N452 1N497 10911E	D07 DO7 DO14	1N456A S254G	A46 DO7	
911D3-3	A1	12	1N440B SA101 479-0226-001# 2157083-1	▼ A62 A34a	D03 A62 911D4-3	1N550 SA201 911D4-3	DO4 A62 A1	1N600A SA301 167384	D01 A62 ▼	1N3073 SLA440 461049-1	DO12 A69 A1	
911D4-3	A1	12	1N441 SA201 479-0227-001#	▼ A62	D03 A62 167384	1N441B SA301 ▼	DO3 A62 ▼	1N646TH SLA441B	A54 A69	LL2 DI646	A38c A38b	
911D5-3	A1	12	1N647TH DI648		A54 A38b	1N648TH DI649	A54 A38b	1N649TH DI650	A54 A38b	479-0228-001#		
911D11-3	A1	12	1N359 1N868 479-0233	#	D02	1N359A 1N3072 720699-107	DO2 A46	1N599A BA103	DO1	USN1N816W BA108	A1	
911D12-3	A1	13	1N763 1N2034 911D18-3 2031177	▼ D012 A1 ▼	D07 D012 A1	1N1510 SV126 SV1009	DO3 A1 ▼	1N1521 202-363 615010-28	A31 A31 ▼	1N1930 479-0234 1979832-4	A27	
911D15-3	C1	13	1N429 1N824 720670-31	▼	C1 D07 C1	USAF1N429 1N1735 752909	DO7 A27 ▼	C1 A27 1979821	D07 C1	1N822 DXX766-1000-5 8954881-6	DO7 C1 N44	
911D18-3	A1	13	1N2041B 479-0240 720670-14	▼ S11a	10Z5.1T5 PR505 2019600-17	SV126 S4b ▼	SV126 A1 2019613-5	▼ S19 A1	SV127 S19 2019613-5	▼ DO7		
911D19-3	#		see SV136									
911D20-3	A1	13	1N970B GLZ24BDA SV1034	▼ D07	USN1N970B MZ24T5 967516-501-7	▼ D07 N48	DO7 A1	1N3029B SV169 2019600-15	A31a DO7 A1	1N3527 479-0242 2031181	DO7 # A1	
SV912	DO4	13	1N1353A 1N2046A 956442-501	▼	DO4	1N1417 IN2500A	DO4	1N1605A IN2976B	DO4 DO4	IN2046 SV2017	DO4	
SV915		13	1N1355A 1N2047 DXX766-1001-17# D615003-303 #	▼ DO4 DO4	DO4 DO4 2031310	1N1418 1N2047A SV2020 ▼ S11a	DO4 DO4 D615003-3	1N1606A 1N2979B D615003-3	DO4 DO4	1N1817A PR520 D615003-203 #	DO4 S4b	
SV918	□	S4c	1N2048 DXX766-1001-20# D615003-201 #	▼	DO4	1N2048B SV2024 D615003-301 #	DO4 DO4	MZ19BBA SV2169	DO4 DO4	PR524 D615003-1	S4b	
SV924	S19a	13	1N1359A 1N2049 50M22ZR5	▼	DO4 DO4 T03	1N1420 1N2049A DXX766-1001-8	DO4 C5a S19	1N1608A USN1N2819B	DO4 C5a	1N1821A USA1N2985B	DO4 DO4	
998A562G4		12	1N347 1N1908 C202-356	▼ A86 ▼	DO4 A86 DO4	1N1115 1N2536 910D19-5	DO4 S35 S4b	1N1538 NA11 2157095-1	DO4 S4b S26	1N1582 TM11	DO4	
998A562G20	DO4	13	1N1509A OAZ222 2041596	▼ A33	DO4	1N1601A PR506	DO4 A6	1N2042A PR606	A6	1Z5.8T5 SV1006	DO3	
998A562G21	DO4	13	1N2043A			202-447	▼	S19a	PR508	S4b		
CEC1000	#		see 2268525									
SV1005		13	1Z51T5- PR605 L221821-1	▼ A8a	DO3 A6 A8a	3Z5.1T5 766-1001-3 720670-14	DO4 S19 ▼	MZ5.1T5 SV2005 2019599-2	DO4 S4b	10Z5.1T5 PR505	S4b	

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	
SV1006		13	1N1509A OAZ222 1979832-3	▼ ▼□ A27	1N1601A PR506 2019599-3	▼ #	1N2042A PR606 2041596	▼ A6 A33	1Z5.8T5 D615010-27	▼ #	DO3
SG1007	DO7	12	10AL8 2JC2189H18 C2016286-1	# A77a	10AL10 50E8 2268525	A77a A3c ▼□ A41	USN1N561 ED2849	♦ DO3	1N689 HD6868	▼ A1	
SV1007	A31	13	1N1485 1979832-1	▼ #	1Z6.2T5 2019599-4	#	MZ6.2T5 2028538	#	L221821-6	▼□	A8a
SV1008		13	1N2043A 1020547	#	202-447 1979832-6	#	PR508 2019599-5	#	S4b	998A562G21 2031121	▼ ▼□ A25
SV1009		13	1N1510A 202-363 1979832-5	▼ ▼□ A31 A27	1N2043B SV1010 2019599-6	▼ #	1N2971B SV2009	▼ DO4	MZ7.5T5 1979832-4	▼ ▼□	A21c A27
AM1010		12	1N249 1N1201 1N1621 AG1012	▼ D05 S27 S43 DO4	1N250 1N1202 10J2	▼ S27 ▼ S43	1N1200 1N1202A TR151	▼ DO4 ▼	S27 DO4 USAFA1N1200 1N1304 508C540H22	▼ ▼	S27
F1010	A31	13	1N1363A E5T50B33 AV4034	▼ DO4 A78 S10	1N1825A AV2032 AV8032	▼ DO4 A19 S11	1N3032B AV2034 AV8034	▼ A31a S19 S11	E5T50A33 AV4032	A78 S10	
S1010		13	1N3287	DO7	320G		CGD573	A21			
SV1010		13	1N3017B	▼	A31a	1N3112	A6	OAZ225	1979832-5	▼□	A27
SV1011		13	1N1425 1N3018B L221821-9	▼ ▼□ A8a	1N1511A PR511 2019599-7	#	1N1522A PR611	DO3 A6	1N2044A SV1011	▼ ▼	
AG1012	DO4	12	1N249 1N2248 AM1010	▼ D05 DO4 ▼	1N1200B 1N2248A		1N1201B 1N2249		USAFA1N1202 1N2249A	▼♦	S27 S35
SV1012		13	1N2044B SV2012	▼	1N2790 2019599-8	#	PR512	S4b	PR612	A6	
SZ1012	#		see 925251-7								
SV1014		13	1N2163 1N2620 1N2624B	▼ ▼ ▼ A31 A31a	1N2164 1N2620A 720670-34	▼ ▼ ▼ ▼□ A31a	1N2165 1N2621A 8991170-4	▼ A31a ▼ A31a	1N2166 1N2624A	▼ ▼	A31a
SV1015		13	1N1351A 1N1744 PZT10A	▼ ▼ ▼ A31a	1N1512A 1N1771A PR615	▼ ▼ A6	1N1523A 1N2498A DXX766-1000-19	DO3 DO4 #	1N1604A 1N3020B 2019599-9	▼ ▼ #	DO4 A31a
SV1017		13	1N1417 1N1605A PZP12A	▼ ▼ ▼ A31a	1N1426 1N2046A DXX766-1000-23	▼ DO4 #	1N1513A 1N2500A 1060472-2	▼ DO4 ▼ A31	1N1524A LPZ12A 2019599-11	▼ ▼ #	DO3 A31a
SV1018		13	1N1354A 322-1167P10 1979832-8	▼ ▼□ A31 #	1N1816A PR518 2019599-12	▼ S4b ▼□ A25	USN1N2811B PR618 2157086-5	♦ A6 ▼ DO4	1N3023B 615010-13 8991179-8	▼ ▼ ▼	A31a A31 DO3
SV1020	#		see 353-2591-00								
SV1020	#		see 1979832-2								
SV1023		13	1N1357A 1N1526A 322-1167P13	▼ DO4 DO3 ▼□ A31	1N1419 1N1819A C2019621-1	▼ ▼ ▼ ▼□ A25	1N1428 1N2982B 8950229-13	▼ DO4 ▼ A41	1N1515A 1N3026B	▼ ▼	A31a
SV1024		13	1N2048B AV2019 AV8019	A19 S11	MZ19BBA SV2024 D615010-31	#	PR524 SV2093 720670-65	S4b ▼ ▼□ C12	PR624 AV4019	A6 S10	
SV1025		13	1N1358A 1N2818B 3Z20T5	▼ ▼ ▼ DO4 C5a	1N1820A USA1N2984B 615010-8	▼ ▼ ▼ ▼□ A31	1N1876A 1N3027B 2019599-15	▼ A31a ▼	1N2048C 1Z20T5	DO3	
SV1033		13	1N1359A 1N1527A PZT22A	▼ ▼ ▼ DO4 A31a	1N18420 1N1821A PR644	▼ ▼ A6	1N1429 1N1880A 720670-28	▼ A19 ▼ ▼□ A19	1N1516A USN1N2819B 2019599-16	#	C5a
SV1035		13	1N2049C AV4025	S10	PR546 AV8025	S4b S11	PR646 D615010-30	A6 #	AV2025 1979827-4	A19 S4c	
XD1045	DO7	11	1N34A JAN1N69A 1N126	▼ A90 DO7 ▼ A23a	1N34AS 1N69A 1N126A	▼□ A21 ▼ ▼ A21	1N43 1N90 JAN1N126A	▼ A21a ▼ A21	1N69 1N116 1N294	▼ ▼ ▼	DO7 A21 DO7
XL1046	#		see 1N63								
F1063	#		see 575R570H01								
PS1064	#		see 1N643								
PS1064	#		see 8938196-1								
SV1064	#		see L2088278-1								
PS1065	#		see 193517								
S1065	#		see S322-1110P1								
S1066	#		see S322-1110P2								
SV1087		13	HZ8139 SV137 B6841-1	▼ DO7 #	GLZ14BBA 353-2594-00 2031179	▼ A1 ▼ A1	LPZ14BBA SV1019	A31a	FZ14T5 CVC6014-16	▼ A1	A21c

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PS1108		12	1N1143 ▼	F14d	1N1143A 1N2922	F14d	1N2380 1N2924		1N2383 ▼	A48g	
CD1113		11	1N645B FD361	A22	GZ96 CD1114	A1	FD359 CD1115 ▼	A22	FD360 CD1116	A22	
KX1113 #			see SE189C		FD361	A22	CD1116	A1			
CD1115		11	1N645B								
PS1132	A48j	12	1N1149 ▼ MC094A S5449	F14e M54g M65b	1N1762 MC098 A1021105-10 #	M54l	1N3054 MC098A	A48p M54l	MC094 PS1455	M54g F13d	
KX1139 #			see A32113543								
KX1140 #			see A32113544								
PS1159 #			see 617914								
SV1159 #			see 203-845								
XL1161 #			see S1345								
S1163		13	1N1372 ▼ 1N1834C 1N3041B	D04 A31a	1N1792 ▼ 1N3002A	A31 D04	1N1834 1N3002B ▼	S19a D04	1N1834A ▼ 1N3041A	D04 A31a	
1174Z	A22a	13	1/4M15Z 1N3522 2031401 ▼	A22a D07 A25	1N666 ▼ SV138 2031180 ▼	A1	1N718A ▼ SV4015A 8991178-16 ▼	D07 A45 A23	USN1N965B ▼♦ 925251-8 ▼	D07 A45	
PS1180 #			see 720670-54								
1211 #			see 1N2621A								
CD1214A	A22a	14	1N252A 1N914AM	D07 A2a	1N660A 1N916A ▼	D07	1N778 1N916AM	A21 A2a	1N714A 1N916M	A22 A2a	
1217 #			see 1N2624A								
CD1275	A22a	11	1N302B 1N457M MQ4512 ▼	A2 A21	1N350 ▼ 1N890M 624781-1 ▼	C1b A2a A21	1N434B 2JC2189H03 ▼	A1	1N457 ▼ 322-1068P1 ▼	A21 C1	
S1345	A9	13	1N2770 AV2040 AV4041	A48e A19 S10	1N2770A AV2041 AV8039	A48e A19 S11	XL1161 # AV2039 AV4039 AV8040	S10 S11	AV2039 AV4040 AV8041	A19 S10 S11	
W1364RA #			see 575R338H02								
W1367RA #			see 575R338H06								
W1375RA #			see 575R338H05								
PS1440	N44a	13	1N1426 ▼ 720670-53 ▼	C14	1N1524A ▼		LPZ12A ▼	A31a	PZP12A ▼	A31a	
W1524 #			see 576R374H01								
D1598 #			see SM-B-181960								
MZ1678 #			see 61511-5								
SA1733		12	1N1140 ▼ Multiple-Unit Device	S14c	1N1732 ▼ 1N2891 1N3285	A48d D07	1N2361 ▼ 1N2897 720680-3 #	D01	1N2890 ▼ 1N3284 720680-9 ▼	D07 A48d	
SA1734		12	1N1139 1N2904	F14d	1N1140 ▼ 1N2905	S14c	1N2902 MHV3.5		1N2903 925015-1 #		
SA1776		12	1N2357 1N2885 720680-8 #	D01	1N2880 50E12 2268525 ▼	A3c A41	1N2881 ED2899		1N2884 HD6868		
W1786A #			see 2016490-2								
W1787A		13	1N1367A ▼ 1N2995B AV8046	D04 D04 S11	1N1829A 575R809H03 # C2016490-7 #		1N2829B ▼ AV8044	C5a S11	USN1N2829B ♦ AV8045	C5a S11	
W1814 #			see 2016728-6								
SV2004 #			see 1876822								
AM2005		12	1N1304 ▼ 1N1614 ▼ 1N2231 508C581H31	D04 S35	1N1347 ▼ 1N1615 1N2231A	S26 D04 S35	1N1347A ▼ 1N2230 6F50 ▼	D04 D04 D04	1N1348 ▼ 1N2230A 353-1530-00 #	S26 D04	
SV2005		13	1N2041B 766-1001-3 ▼	S19	10Z5.1T5 720670-14 ▼	S11a	202-376 ▼ V905187-02 #	S19a	PR505 ▼	S4b	
SV2006 #			see 1979827-2								
SV2007		13	1N1483 V905187-04 #		10Z6.2T5 ▼ D615003-325 #		PR507 666137-234 ▼	S4b S4c	DXX766-1001-16 #		
SV2009		13	1N2043B PR510 V905187-06 #	S4b	1N2043C D615003-5 #		1N2971B D615003-205 #	D04	PR509 D615003-305 #	S4b	
SV2012		13	1N2044B		PR512	S4b	V905187-09 #				
W2013 #			see 575R338H08								
SV2014		13	1N1351A ▼ 1N2975	D04 D04	1N1664A 10M10ZR5	D04 D04	1N1743 V905187-11 #		1N2973B	D04	

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SV2015		13	1N1351A 1N2498A PR515	▼ DO4 S4b	1N1604A USN1N2808B 720670-15	▼ DO4 C5a S11	1N1743 HPZ10 V905187-12 #		1N2045A 10M10ZR5 4660207	▼ DO4
HD2016A		17	1N72 1N147 G7A	▼ DO7	1N82 1N173A G7B	▼ DO7	USN1N82A 1N285 DC7C	▼ DO7	1N132 4JB2D4 SP750549-13	▼ DO4
SV2017		13	1N1353A 1N2500A V905187-14 #	▼ DO4	1N1417 1N2810B 956442-501	▼ C5a	1N1605A USN1N2810B	▼ DO4 C5a	1N2046A IN2976B	▼ DO4
SV2018		13	1N1352 1N3021A 615010-13	▼ DO4 A31a V905187-15 #	1N1772 1N3023B A31 V905187-15 #	▼ A31a	1N2499 SV1018 2019599-12	▼ S19a A25	1N2499C D615003-319 #	
SV2020		13	1N1355A 1N2047A PR520	▼ DO4 S4b	1N1418 USN1N2813B SV2149	▼ C5a S4b	1N1606A 1N2979B 2031310	▼ DO4 DO4 S11a	1N1817A 50M15Z5	▼ DO4 TO3
SV2021		13	1N1818A 1N2980B DXX766-1001-5#	▼ DO4	1N2047B 10Z16T5 SV2021	▼ DO4	1N2814B S322MS135P002# V905187-18 #	▼ C5a	USN1N2814B PR521	♦ C5a S4b
SV2022		13	1N2047C V905187-19 #		MZ17BBA	DO4	S322MS135P003#		D615003-312 #	
SV2023		13	1N1419 USN1N2816B SV2023	▼ C5a	1N1607A 1N2982B V905187-20 #	▼ DO4	1N1819A PR523	▼ DO4 S4b	1N2048A DXX766-1001-6#	
SV2024		13	1N2048B AV8019		MZ19BBA V905187-24 #	DO4	PR524	S4b	SV2093	▼ DO4
PR2025	#		see 16A-17							
SV2025		13	1N1358A USA1N2984B 925251-9	▼ DO4 ▼ DO4	1N1820A 10M20ZR5	▼ DO4	1N2048C 50M20Z5	▼ TO3	1N2818B V905187-22 #	▼ C5a
PS2026		17	see 1N459							
Matched Bridge Circuit										
SV2045		13	1N1360A 1N2986B V905187-24 #	▼ DO4	1N1822A 10Z24T5 8950230-32	▼ DO4	1N2049B PR545	▼ S4b	USN1N2820B SV2160	♦ C5a DO4
SV2045X	#		see 925251-10							
HD2046		12	IN316 1N857 PS005	▼ A53 A21 A46	1N359 1N868 TJ5A	▼ DO2	IN359A 1N1701 483545-1	▼ DO2 A53	IN599 TM3	▼ DO1
SV2046	#		see 1979827-4							
SV2047	DO4	13	1N2822B	▼ C5a	2SI-1027Z1	▼ DO4	AV8027	S11		
SV2050	DO4	13	1N1353A 1N1605A PZP12A	▼ DO4 ▼ A31a	1N1417 1N2046A 956442-501	▼ DO4	1N1426 1N2500A 1060472-2	▼ DO4 A31	1N1524A LPZ12A	▼ DO3 A31a
HD2051		11	1N47 1N61 1N62	▼ A23a A23a HD2081	1N55 1N175 HD2123	DO7	1N55A 400E HD2123	▼ DO7 N22	1N55B ED1861	▼ DO7 A22
HD2081		11	1N39 1N55 1N62	▼ DO7	1N39A 1N55A 1N83	DO7	1N39B 1N55B HD2123	▼ DO7 DO7	1N47 1N59 103000-01 #	▼ A23a
SV2093	DO4	13	1N2048B AV8019		MZ19BBA	DO4	PR524	S4b	SV2024	▼
LFE2094	□	11	1N67 JAN1N198 411A	▼ A21 A21 N22	1N67A 1N198 HD2149	▼ A21 A21	IN113 IN198A	▼ A23a DO7	1N114 1N355	▼ A23a
2100-1014-2 #			see SV2149							
HD2100	□	11	1N67A 1N265 MP3016	▼ A21 A23 A1	1N198 1N355 S322-1064G1	▼ A23a	JAN1N198 G67 153552-000	▼ A21	1N198A 499-105	▼ DO7
SV2105	DO4	13	1N1780A PR646 925251-11	▼ A19 A6 A6a	1N2820B AV2025 1979827-4	▼ C5a A19 S4c	LPZ25BBA AV4025	▼ A31a S10	50M25Z5 925251-10	▼ TO3 DO4
HD2120		11	1N39A T17	▼ DO7	1N83 353-2780	▼ #	1N88 ED1814	A23a A22	1N175 HD2081	▼
SV2120	#		see 575R338H02							
PS2121	#		see 941259-501							
HD2123		11	1N39 1N83	▼ DO7	1N39A	DO7	1N39B	▼ DO7	1N59	
HD2130		16	No replacement type available							
HD2134	#		see 1N198							

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D2138 #			see 527758									
HD2149		11	IN67 ▼ IN198A ▼ G67 ▼ MP3016 ▼	DO7 A1	IN67A ▼ IN265 ED1835 48C847274 #	A21 A22	IN198 ▼ IN298A ▼ HD2100 ▼	A21 DO7	JAN1N198 ▼ IN355 ▼	A21 A23a		
SV2149	S4a	13	IN1355A ▼ IN2047A ▼ PR520	DO4 S4b	IN1418 ▲ USN1N2813B ▼ SV2020	C5a	IN1606A ▼ IN2979B ▼ 2100-1014-2 #	DO4 DO4	IN1817A ▼ 50M15Z5 ▼ 2031310 ▼	DO4 TO3 S11a		
HD2151		11	IN303B IN901 CA19004A	A2	IN458A CA19001A	A46	IN460B CA19002A		IN900 CA19003A	A2		
HD2152		11	IN482 ▼ IN482BM ▼ IN3575	DO7 A2a A84a	IN482A ▼ IN482C ▼ PS005A ▼	DO7 A38	IN482AM ▼ IN482M ▼ 576R124H01 ▼	A2a A2a A38d	IN482B ▼ IN3147 ▼	DO7 A22		
HD2155		11	IN301B ED2821		IN460B ED2822		IN900 HD6763	A2 A21	PD106 HD6764	A2 A21		
HD2160		11	FD344 ED2819	A22	PS615 HD6753		CD1113 ▼ HD6754 ▼	A21	CD1115 ▼			
SV2160	DO4	13	IN1360A IN2986B 8950230-32 ▼	DO4 DO4 S28	IN1822A 10Z24T5	DO4	IN2049B PR545	S4b	USN1N2820B ▲ SV2045 ▼	C5a		
SV2161 #			see 1655137									
SV2169	DO4	13	IN2048 SV918 ▼	DO4 S4c	IN2048B SV2024		MZ19BBA	DO4	PR524	S4b		
PS2179 #			see 8936996-2									
HD2182 #			see 353-2008-00									
SV2208 #			see 8991180-1									
HD2261 #			see V901468A									
HD2289		12	IN91 ▼ IN151 ▼ V901468A ▼	DO3 A111	IN92 ▼ IN315 ▼ 1651384-3 ▼	DO3 DO3 A72	IN93SP IN315A ▼	A89	IN94 ▼ IN368 ▼			
SV2293 #			see 925251-4									
SV2314 #			see 956442-501									
PS2428S #			see 194009-1									
CSD2591		14	IN3484 CID206	DO7 A61	IN3666N1 # CID207	A61	G107 CSD2593 ▼		G108			
CSD2592		14	JAN1N251 IN840 FD256	A1 A22	IN792M IN840M 479-0259-002#	A2a A2a	IN796 IN3207	A46 A2	IN796M IN3567	A2a A2		
CSD2593	A97	14	IN3484 CID207	DO7 A61	G107 479-0259-003#		G108 CSD2591 ▼		CID206	A61		
HD2605 #			see 925253-2									
HD2612 #			see 925253-1									
CSD2639		14	USN1N696 IN904 IN917 958958-501-001#	DO6 A1 A1	IN789M IN905M IN3123 ▼	A2a A2a DO7	IN790 IN906M TI251	A46 A2a A110	IN790M IN907 CSD2651 ▼	A2a A1		
CSD2651		14	USN1N696 IN904 IN917 958958-501-003#	DO6 A1 A1	IN789M IN905M IN3123 ▼	A2a A2a DO7	IN790 IN906M TI251	A46 A2a A110	IN790M IN907 CSD2639 ▼	A2a A1		
HD2651 #			see 907801									
HD2688		14	IN659 ▼ IN660AM TI252 1391107 ▼	A1 A2a A110 DO14	IN659A ▼ IN660M TI253	DO7 A2a A110	IN659M IN661M W2789A #	A2a A2a	IN660 ▼ PD124 Z97106 ▼	A1 A2		
W2789A #			see HD2688									
HD2940 #			see 527758									
MP3004		12	IN1058 IN2228 2031751 ▼	S67 DO4 DO4	IN1064 IN2229 2030939 ▼	S66a DO4 DO4	IN1070 2031057 ▼	S83a S19a	IN1612 2031154 ▼	DO4 S19a		
MP3013		17	No replacement type available									
MP3016	A1	11	IN67A ▼ IN265 ▼ HD2100 ▼	A21	JAN1N198 IN355 ▼ S322-1064G1 ▼	A1 A23a A23a	IN198 ▼ G67 ▼ 153552-000 ▼	A21	IN198A ▼ 353-0185-00 #	DO7		
FA3040 #			see IN3064									
FA3040 #			see 593B50									
SV3097	A45	13	IN712 USA1N1807 ▼ IN3181	DO7 DO4	IN756 IN1875 IN3401	A1 P5	IN959A IN1891	DO7	IN1768 ▼ IN3018A ▼	A31 A31a		
SV3120	A45	13	HR2.8 SS3145	A27	PS1177 SV3145	A48c A45	SV3120	A45	SV3145A ▼	A45		
S3140-1027P1#			see D50208									

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SV3140A	A45	13	DX766-1000-8	A45	SS3140	A27	SV3140	A45			
SV3143A	A45	13	1N465A2 ▼ SV3143	C1	HR2.3	D07	PS1174		SS3143	A27	
SV3144A	A45	13	HR2.8	D07	PS1176	A48c					
SV3145A	A45	13	HS14		SIE62004 #		2028467-4 #				
SV3146		13	AV2014 AV8014	S19 S11	SV3746	#	AV4014	S10	SV6033 ▼	S11a	
SV3170	A45	13	SV126 911D18-3 1979832-4	▼ D07 A1 A27	202-363 SV10009	▼ A31	322-1127P1 # SV3171	▼ A45	TI653C4 8706018-8	▼ C3 C3	
SV3171	A45	13	SV126 911D18-3 1979832-4	▼ D07 A1 A27	202-363 SV1009	▼ A31	322-1127P2 # SV3190	▼ A45	TI653C4 8706018-8	▼ C3 C3	
SV3173	A45	13	1N430 1N1530A 1N3155A 8954883-2	▼ C7 C7 D07 C7	1N430A 1N3154 322-1127P3 C7	▼ D07 #	1N430B 1N3154A SV3176	▼ S20 A45	1N1530 1N3155 1979829-1	C7 D07 C7	
SV3173SP	C7	13	1N430 1N1530A 1N3155A 8954883-2	▼ C7 D07 SV3173 C7	1N430A 1N3154 436045	▼ D07 A45	1N430B 1N3154A SV3176	▼ A45	1N1530 1N3155 1979829-1	C7 D07 C7	
SV3176	A45	13	1N430 1N1530A 1N3155A	▼ C7 D07	1N430A 1N3154 322-1127P6	▼ D07 #	1N430B 1N3154A SV3173	▼ A45	1N1530 1N3155 8954883-2	C7 D07 C7	
SV3220A	#		see C26-861								
3246	#		see D50208								
SV3321	D07	13	1N429 1N822 1N825 A99250-144	▼ D07 D07 ▼ A38d	1N709A 1N823 1N827	▼ D07 D07	1N821 USN1N823 USN1N827	▼ D07 D07	USN1N821 1N824 202-359	♦ D07 D07 ▼ A1	
SV3334	A45	13	1N430 1N1530A 8954881-9	▼ C7 ▼	1N430A SV3173 8954883-2	▼ A45 C7	1N430B SV3176	▼ A45	1N1530 1979829-1	▼ C7 C7	
SV3415	#		see L2088305-1								
SV3448	#		see 925251-8								
MP3512		11	1N434A STC108 HD6189	▼ A21 ▼	1N458 ED2839 1249959-11	▼ A21 ▼	1N458M HD6007	▼ A2 A21	STC107 HD6154	▼ A21 A21	
MD3515	#		see 925011-3								
3567	#		see S322-1098P3								
3570	#		see S322-1167P10								
3571	#		see S322-1167P13								
3642CR	S4b	12	Reverse Polarity Type	1N1116 1N2027 TM24	D04 S4b ▼	1N1117 SM2 TM34	▼ D04 ▼	1N1564A TM21 BY114	▼ C14 D02	1N1910 NA24 HR10745	A86
MP3713	#		see 925011-9								
SV3746	#		see SV3146								
S3870-42	D03	12	1N440B 1N1645 1N3629	D03 A53 A111	1N537 1N1692 SD91A	▼ D03 ▼	1N1439 1N2610 2157083-1	▼ A31a ▼	1N1487 1N2859	▼ D03 D02	
S3927-1001P1		17	Multiple-Unit Device								
CA3957	#		see 967516-501-3								
CA3959	#		see 967516-501-7								
SV4010A	A45	13	USN1N3021B	▼♦	D013 2028467-1	▼	A49b				
SV4015A	A45	13	1N1427 1N3024B 2031401	▼ A31a A31a ▼	1N1525A 1Z15A 2157094-2	▼ D03 D03 ▼	1N1595A PR620 C12	▼ D04 A6	1N1775A 925251-8	▼ A31 ▼ A45	
SV4033	A45	13	1N2769 E5T50B33 AV8033	A48e A78 S11	1N2769A F1010	A48e A31	1N3032B AV2033	A31a A19	E5T50A33 AV4033	A78 S10	
HD4039	#		see 617981-2								
SV4047A	#		see 2028467-3								
CEC4050		12	1N553 1N1695 PS140 575R428H10	▼ D04 D03 A47 A47	1N1169 1N2095 M21 SR40	▼ M21 A47	1N1169A PT540	▼ A34b	1N1255 TK41 575R428H09	▼ A53 ▼ A47	
SV4082	A45	13	AV2083	A19	AV4083	S10	AV8083	S11			
MA4117	#		see 45092								
MA4117	#		see 425000								

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MA4128	P3	16	MA408 MA418A MA461	P3 P3a F3	MA408A MA418B MA461A	P3 P3a F3	MA408B MA452 MA461B	P3 P3 F3	MA418 MA452A	P3a P3	
HD4451	#		see HD6224								
HD4452	#		see HD6225								
MQ4512 QUAD	A21	11	1N302B 1N890M HD6006	A2a A21	1N434B 2JC2189H03 624781-1	A1 A21	1N457 322-1068P1	▼ ▼	A21 C1	1N457M ED2838	A2
MQ4518	#		see 7434802								
MQ4546	#		see C2019620-3								
MQ4551	□	11	1N302A CK863A 2012555 #		1N459 ED2840	A21	1N459M H6008	A2 A21	1N1849 1249959-11	▼ □	C1b A22
MQ4556	#		see 474988-1								
MQ4563	#		see C2019620-2								
MQ4564	#		see C2019620-1								
MQ4622	#		see 9252555-2								
4740CR	S4b	12	1N1217A NA1	▼ ▼	D01 S4b	1N1227A TM1	S25	1N1907 TM4	▼ ▼	A86 D04	1N2026 RE8
HD5004		14	HD5000			HD5001		HD5002			HD5003
SV5013	N51	13	E5T50A105 AV4105	A78a S10	E5T50B105 AV8105	A78a S11	50M105Z2	▼	T03	S322-1109P1	#
S5018F	#		see CE94067								
SV5020	□	A25	1N2045B PR516		1N2499A S4b	D04 PR616	1N2975B A6	D04 SV1016		353-2687-00	#
SV5033	#		see 2031120							2031361	▼ □
WN5051C	S29	12	1N1186 USAF1N1188 USAF1N1190 302D	▼ ▼ ♦ ▼	S29 S29 S29 S29	USAF1N1186 1N1189 1N1681 302F	S29	1N1187 USAF1N1189 P46A6314	▼ ▼ ▼ ▼	S29 S29 CH104AZ	S29 S29 DO5
WP5053B	S25	12	1N1115 1N1219A 1N1582 307D	▼ ▼ ▼ ▼	D04 D01 D04 D01	1N1116 1N1219B 1N1908 WP5053D	D04 A34a A86 S25	1N1218A 1N1228A 1N2536	▼ ▼ ▼	D01 S25 S35	1N1218B 1N1538 54-161
WP5053D	S25	12	1N1116 1N1564A 307D	▼ ▼ ▼	D04 C14 D01	1N1117 1N1566A 54-161	D04 C14 #	1N1118 1N1910 HR10745	▼ ▼ ▼	D04 A86	1N1542 1N1911
S5054 Multiple-Unit Device		12	1N1150 1N2367 322-1118P1	▼ ▼ ▼		1N1150A 1N2368 RA5612	D04	1N1237 1N2369			1N2366 1N2667
S5055 Multiple-Unit Device		12	1N3764 7706-3A 7713-3		A107	RA5611 7708-3		7702-3A 7710-3			7704-3A 7711-3
WN5091D	#		see 1616993-1								
WN5091E	S29	12	1N1195 1N2158 54-163 TR402	▼ ▼ # ▼	S29 D05 TR302 2072019	1N1198 1N2160 TR302 2072019	S29 D05 ▼ S29	1N1198A 1N2275 303E	#	D05 D04	1N1306 1N2455 303F
5154	#		see 425000								
S5251	#		see 3000747								
S5343	#		see 1054499								
RA5611	#		see S5055								
RA5612	#		see S5054								
RA5714	#		see 200SL								
RA5916	#		see 1N2487								
RA5916	#		see 1N2385								
HD6001	A21	11	1N350 1N461M ED2834	▼ ▼ ▼	C1b A2a 1776085	1N457 1N890 7434802	A21 A21 A1	1N457M PD125 7434802	▼ ▼ ▼	A2 A2 A22	1N461 FD326
HD6013	□	11	1N301 USN1N485B TI622C	▼ ▼ ▼	D07 C3	1N458 PD129 ED2835	A21 A2 A2	1N458M SG132 MP3512	▼ ▼ ▼	A2 D07 A2	1N462 FD323 HD6002
CVC6013-5	□	13	1N747A QZ3,6T5	▼	A1 A21c	USN1N747AM	A1	1N3507		D07	FZ3.6T5
HD6014	□	11	1N302 1N463 TI624C 925008-4	▼ ▼ ▼ ▼	A23a A21 C3 A23	1N434 1N486B MQ4551 925008-7	A23a D07 A21 #	1N459 SG133 HD6064	▼ ▼ ▼	A21 A38a A21	1N459M FD324 A10859
CVC6014-1	#		see SV191								

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CVC6014-9	□	A1	13 1N2044B E141 SV1012	▼ A1	1N2790 SV199 # SV2012	▼	1N3148 PR512 HZ8131	S4b	SV129 PR612	▼ A6	
CVC6014-16	□	A1	13 GLZ14BBA 353-2594-00 2031179	▼ A1	LPZ14BBA SV1019	A31a	SV137 SV1087	▼ D07	SV217 HZ8139	#	
CVC6014-22	□	A1	13 1N721A 1N3525 925251-6	▼ D07 D07 ▼ D014	1N968B SV144 2019600-14	▼ D07 D07 ▼ D014	USN1N968B CE93903	▼ D07 D07	IN3027B 615010-22	▼ A31a A1	
SV6015 Multiple-Unit Device	17										
HD6017	□		11 1N303A 1N486B SG132 720699-12	▼ D07 D07	1N433A STC105 FD327	A21 A22	1N458 STC106 TI622C	▼ C3	1N458M PD129 MP3512	▼ A2 A2 A2	
HD6025	A1	11	1N456 HD2151 HD6261	▼ A21	1N456M ED2822 HD6764	▼ A21	2JC2806-5 ED2837		PS512A HD6005	▼ A21	
HD6026	#		see 2JC2806H06								
HD6027	A1	11	1N434A STC107 HD6007	▼ A21 A21	1N458 STC108 HD6154	▼ A21	1N458M ED2839 HD6189	▼ A2	2JC2806-7 MP3512 1249959-11	▼ A2 A2 A22	
HD6028	A1	11	1N302A 2JC2806-8 MQ4551	▼ A21	1N459 SD20 H6008	▼ C1 A21	1N459M CK863A 744995-20	▼ C1	1N1849 ED2840 1249959-11	▼ A22 C1b	
HD6032		13	1N725 1N1782A 925008-20	▼ D07 A31	1N725A 625013-074 2028467-2	▼ A86 ▼ D07	USN1N972B 1N1964A30V	▼ D07	1N1319A 617893-2	▼ C1 C1	
DA6033	#		see 593B49								
DA6033	#		see 593B51								
SV6033	□	S11a	13 1N1355A 1N2047A AV8014	▼ D04 S11	1N1418 1N2979B 1847301	▼ D04	1N1606A SV2020 2031310	▼ S11a	1N1817A SV2149	▼ D04 ▼ A4a	
DA6035	#		see 593B50								
HD6042		11	1N219 1N354 HB6 PD113 CK863A	▼ C1 C1b C1 A2	1N220 1N1849 PD110 PD114	▼ C2b A2	1N221 1N1850 PD111 PD115	▼ C1 C1b A2 A2	1N222 2JC2806 PD112 626C	▼ C1 A2 C3	
SV6045	#		see 1307035-1								
HD6058		11	1N483B S5G 170	▼ A62	1N527 S8G DRC81216	▼ D07	1N541 9PA1 446645-4	▼ D07	1N542 9GA1-3C	▼ D07	
HD6061	A21	12	1N600A 1N3754 SG131	DO1 TO1 ▼ D07	1N601A 1N3073 1293411-1	DO1 DO12 ▼ A1	1N609A 2JC2806H06 1583967	DO4 DO1 ▼ A111	1N3074 84-27-06	# DO12	
HD6062	□	A21	12 1N441 SLA441B C2019620-1	▼ D03 A69 A1	1N441B 911D4-3 C2019620-2	▼ D03 ▼ A1 ▼ D07	84-27-07 A15751-1 C2019620-3	▼ A1 A1 ▼ A1	SA201 1286572-1	▼ A62 A1	
HD6064		11	1N302 1N463M ED2836	A23a A2a	1N459 1N486B MQ4551	▼ A21 ▼ D07 ▼ D07	1N459M CK863 HD6003	▼ A21	1N463 TI624C	▼ A21 C3	
HD6147		11	1N456 HD2155 HD6764	▼ D07 A21	1N456M ED2837 622827-2	▼ D03 ▼ A1 ▼ D07	PD131 HD6005 720699-75	▼ A21	FD325 HD6158	▼ A22	
HD6154	A21	11	1N302B PD135	A2	1N353 CK863B	▼ C1b	1N354 1249959-11	▼ A22	1N486B	▼ D07	
HD6158		11	1N301B G02 ED2822	A1	1N432B HD2151 HD6764	▼ A21	1N900 HD2155	▼ A2	1N901 ED2821	A2	
HD6161		17	2012548	#							
HD6171	#		see 1047273. See 1N210 for replacement types								
HD6189		11	1N302B 1N486B CK863B	▼ D07	1N353 STC107 HD6154	▼ C1b A21 ▼ A21	1N354 STC108 720699-94	▼ C1b A21	1N434A PD135 1249959-11	▼ A22	
HD6224		11	1N137B PD132 HD4418	▼ C1b A2	1N432 ED2833 HD4451	▼ A21	1N461 1N461M HD6001	▼ A21	MD04 ED2834 1776085	▼ A2 A1	

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HD6225		11	1N301A USN1N485B 618C PS4725	▼♦ DO7 C3 A1	1N303A STC103 C3 TI620C	▼ A21 C3	1N431 STC104 HD4419	▼ C1 A21	1N433A C202-325 HD4452	▼ #	
HD6237		11	1N301 1N457M 9PA4 624781-1	▼ A2 A21	1N301A USN1N485B 322-1068P1	▼♦ DO7 C1	1N350 1N1847 ED2838	▼ C1b C1b	1N457 9GA4 HD6006	▼ A21	
HD6251		11	1N456 HD2151 HD6261	▼ DO7	1N456M ED2822 HD6764	A2a A21	1N483B ED2837	▼ A62	PS512A HD6005	▼ A21	
HD6254		17	No replacement	types available							
HD6261		11	1N459A 1N485B 1N486B 1249959-12	A46 ▼♦ DO7 DO7	1N459AM 1N485BM 1N486BM	A2a A2a A2a	1N485A 1N485C 1N487B	▼ DO7	1N485AM 1N486AM 720635-6	A2a A2a #	
PS6313A		13	USN1N757A 1N936A 1N939B 1N936	▼♦ DO7 DO7 DO7	1N935 1N936B USN1N939B	▼ DO7 DO7	1N935A 1N938B D615010-44	▼ DO7 DO7	USN1N935B USN1N938B 720670-71	♦ DO7 DO7 ▼♦ A46	
PS6314A #			see 720670-72								
PS6315A #			see 720670-73								
PS6316	A46	13	1N1427 1N3024B 2031401	▼ A31a ▼♦ A25	1N1514A 1Z15A	▼ DO3	1N1775A LPZ15A	▼ A31 A31a	1N2038 SV1020	▼ DO12	
PS6469A		13	USN1N752A	▼♦ A1	1N1485	▼	1Z5.8T5	▼ DQ3	SV1007	▼♦ A31	
HD6551	□	14	1N661 USN1N3070 CSD2314 HD6573	▼ A1 ▼♦ A22 A21	1N661A 16A27 CSD2317 925008-15	▼ DO3	1N779M SG213 ED2855	A2a A21	1N803 SG218 HD6557	▼♦ A46	
HD6557	□	14	1N661 USN1N3070 CSD2314 HD6573	▼ A1 ▼♦ A22 A21	1N661A 16A27 CSD2317	▼ DO3	1N779M SG213 ED2855	A2a A21	1N803 SG218 HD6551	▼♦ A46	
PS6317A #			see 720670-64								
PS6318A #			see 720670-75								
HD6342 #			see 925008-39								
HD6349 #			see 1787558-1								
PS6467 #			see 720670-77								
HD6565		14	1N995 ED2066 908290	▼♦ A22 A23a	1N1093 A100271	▼♦ A23a	DR407 720699-48	#	DR498 720699-88	▼ A22	
HD6558 #			see 2JC3636H03								
HD6575 #			see 2JC3636H01								
HD6614	□	14	1N251 1N925 PS721	▼ A46	1N625 1N926 2167591	▼ A21 A46 ▼♦ A21	1N625M IN3668 2170986A	# A2a DO7	1N626M TI251	A2a A110	
HD6616	□	14	1N628A 1N778M USN1N3070 353-257800	▼♦ DO7 A2a A22	1N629A 1N779 1N3485 HD6621	DO7 A21 A22	1N643 1N801 FD247	▼ DO7 A46 A22	1N643M 1N801M FD253	A2 A2a	
HD6621		14	1N628A 1N778M 1N3485	DO7 A2a	1N629A 1N779 1N3485 HD6621	DO7 A21 A22	1N643 1N801 FD253	▼ DO7 A46 A22	1N643M 1N801M HD6616	▼♦ A2a	
HD6622 #			see 2JC3636H02								
PS6641		13	1Z5.1T5 SV122 SV2005	▼♦ DO3	3Z5.1T5 PR505 720670-14	▼♦ S4b ▼♦ S11a	E48 766-1001-3 925251-13	▼ A46 S19 A1	E88 SV1005 966904-501	▼ A31 A1	
HD6677		14	1N252 1N905 1N907 CSD2651	▼ A1 A1 A1 ▼♦	1N625A 1N905M 1N914 HD5004	▼ A2a A21 DO7	1N813 1N906 USN1N914	▼♦ DO7 A21	1N904 1N906M 1N917	A1 A2a	
HD6753	A21	11	USAF1N647 1N3646 ED2818	▼♦ A1 A83	1N3643 1N3647 HD6754	A83 A83 ▼♦ A21	1N3644 PS632 HD6775	▼ A83 A21	1N3645 PS633	A83	
HD6754	A21	11	USAF1N647 1N3646 ED2832	▼♦ A1 A83	1N3643 1N3647 HD6774	A83 A83 A21	1N3644 ED2819 HD6775	▼ A83 A21	1N3645 ED2831	A83	

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HD6764	A21	11	1N458A HD2151 CA19002A	▼ ▼ ▼	A46 ED2822 CA19003A	1N460B ED2822 CA19003A	▼ ▼	1N900 HD6768 CA19004A	A2 A21	1N901 CA19001A	A2	
HD6766	A21	11	1N458AM 1N484B 1N485B HD6768	▼ ▼ ▼ ▼	A2a D07 D07 A21	1N459A 1N484BM 1N486A HD6792	A46 A2a DO7 ▼	1N484A 1N484C 1N486B 1249959-12	DO7 A22	1N484AM 1N485A CD1115	A2a DO7	
HD6768	A21	11	WD011 PS628			WD012 PS629		FD351 DR670	A22	FD352 HD6767	A22 A21	
HD6775	A21	11	USAF1N647 1N3646 HD6774	▼♦ A1 A83 A21	1N3643 1N3647	A83 A83	1N3644 ED2831	A83	1N3645 ED2832	A83		
HD6777	A21	11	1N137B PD102 HD2155	▼ ▼ ▼	C1b A2 A22	1N432A FD326 ED2833	A22	1N890 PS514A 7434802	A21 A22	1N930 PD125 HD1255	DO7 A2	
HD6792		11	1N459A 1N485BM 1N486B 1249959-12	▼ ▼ ▼ ▼	A46 A2a D07 A22	1N459AM 1N485C 1N486BM	A2a	1N485AM 1N486A 1N3577	A2a D07 A84a	1N485B 1N486AM CD1115	DO7 A2a	
PS6796	#		see 8991178-6									
PS6798	#		see 8991178-8									
PS6800	#		see 8991178-10									
HD6811		11	1N485 1N486A 1N487B	▼ ▼ ▼	D07 D07 D07	1N485A 1N486AM 2JC2189H04	▼ ▼ ▼	D07 A2a A1	1N485B 1N486B 720699-92	D07 D07 #	1N486 1N486BM 1249959-12	DO7 A2a ▼
HD6823		12	1N319A 1N881 SA201	▼	D02 A62	1N363 1N882 910D57-3	▼ ▼ ▼	DO2 D07 D07	1N487TH 1N1705 S322MR023P001	A54 A53 C1	1N678 SJ14 461049-5	▼ ▼ ▼
HD6834		12	1N482TH 911D11-3 7901085-001	▼ ▼ ▼	A54 A1 A1	USN1N816W 720699-107	♦ ▼ ▼	A1 A46 A46	BA103 1485544-1 1485544-1	A1 A1 A1	B603 1687283	▼ ▼ A21
HD6836		11	PD111	A2	PD112	A2	PD113	A2	PD114	A2		
HD6839	#		see 925250-1									
B6841-1	#		see SV1087									
PS6851	#		see 8991178-11									
PS6855	#		see 8991178-16									
PS6943	#		see SV138									
PS6945	#		see SV9									
PS6862	#		see 8991178-22									
SS7637-1-2		15	1N21 JAN1N21C 1N21E 1N28	▼	P3 P3	1N21A 1N21C 1N21EMR 105X2	▼ ▼ ▼ #	P3 P3 P3 SS7637-1-4	JAN1N21B 1N21CM 1N21F SS7637-1-4	P3 P3 P3 P3	1N21B 1N21D 1N21FMR	▼ ▼ ▼
SS7637-1-4		15	1N21 1N21C 1N21E 1N28	▼	P3 P3	1N21A JAN1N21C 1N21EMR 105X4	▼ ▼ ▼ #	P3 P3 P3 SS7637-1-2	1N21B 1N21CM 1N21F SS7637-1-2	P3 P3 P3 P3	JAN1N21B 1N21D 1N21FMR	▼ ▼ ▼
PRS8008	#		see 4660207									
CEC8050		12	1N2773 1N3256	A40 A50a	1N2774 1N3751	A40a A38f	1N2775 1N3752	A40a A38f	1N3196	A50		
HZ8111	#		see 925016-5									
HZ8169	#		see 8991178-22									
HZ8176	#		see 925251-6									
HZ8224	#		see 8991178-6									
HZ8226	#		see 8991178-8									
HZ8228	#		see 8991178-10									
HZ8229	#		see 8991178-11									
HZ8234	#		see 8991178-16									
HZ8285	#		see 925251-5									
HZ8287	#		see 925251-13									
HZ8292	#		see 925251-12									
CK8401	#		see 2JC4261H02									
HR10213		12	1N333 1N444 1N685 PS674	▼ ▼ ▼ ▼	D04 D03 A1	1N335 1N534 TJ40A	▼ ▼ ▼	D04 D04 TL41	1N342 1N604 TL41	D04 D01	1N443 1N605 SA301	▼ ▼ ▼
HR10215		12	1N256 1N560 1N861	▼ ▼ ▼	D04 D03 A21	1N333 1N684 1N1706	▼ ▼ ▼	D04 A53	1N342 1N685 461049-6	D04 A1	1N363A 1N687	▼ ▼

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HR10217		12	1N320 1N560 1N1257 925008-34A #	▼ DO2 ▼ A53	1N320A 1N561 1N2878	▼ DO2 DO3	1N535 1N606 1N2879	▼ DO2 DO1	1N547 1N1104 PS060	▼ DO1 DO1 ▼ A46	
HD10228 #			see 461049-1								
HR10251		12	1N333 1N604 TL21 180653	▼ DO4 ▼ DO1 ▼ A1	1N335 1N678 TM23 D617834-4 #	▼ DO4 A1	1N342 1N685 TJ25A 617834-12	▼ DO4 A38	1N443 1N1101 SA301	▼ DO3 ▼ A62	
HR10252		12	1N333 1N444 TJ25A PS674	▼ DO4 ▼ DO3	1N335 1N534 TJ40A	▼ DO4	1N342 1N604 TL41	▼ DO4 DO1	1N443 1N685 SA301	▼ DO3 ▼ A1 ▼ A62	
HR10254		12	1N256 1N444 1N605A	▼ DO4 ▼ DO3	1N333 1N534 1N685	▼ DO4 ▼ A1	1N342 1N604 TJ40A	▼ DO4 DO1	1N443 1N605 TL41	▼ DO3 ▼ DO1	
HR10262 #			see 2JC2189H04								
HR10263 #			see 2JC2189H11								
HR10262 #			see 2016286-2								
HR10263 #			see 2016286-3								
HR10314		12	1N321 1N560 1N856	▼ DO3 A21	1N321A 1N561 1N1730	▼ DO2 DO3 A48C	1N328 1N597 488231	▼ A6	1N328A 1N854	DO2 A21	
HR10317		12	1N535 1N606A 1N2505	▼ DO2 DO1 A6	1N548 USAFA1N649 925008-37 #	▼ A1	1N562 1N689 2016492-1	▼ DO4 A1 A31	1N606 1N1257	▼ DO1 ▼ A53	
HD10338 #			see 461049-5								
10616	N29	12	1N413B 1N2431	S54 DO8	1N2134 1N2433	DO8 DO8	1N2429 4JA6011A	DO8	1N2430 CH116A	DO8 DO5	
HR10745		12	1N1116 1N1564A 307D	▼ DO4 ▼ C14 ▼ DO1	1N1117 1N1566A WP5053D	▼ DO4 C14 ▼ S25	1N1118 1N1910	▼ DO4 A86	1N1542 1N1911	▼ DO4 ▼ A86	
A10859	A21	11	1N459 SG133 ED2840	▼ A21 A38a	1N459M A151P1 MQ4551	▼ # ▼ A2	1N1849 FD328 HD6008	C1b A22 A21	PD130 CK863A 925008-4	A2 ▼ A23	
10911E	DO14	11	1N305 DR313	▼ A23a	T8G CGD462	▼ A21	T9G CTP462	▼ A21	DR312		
DP#11352-05-900100#			see 1N482								
DP11352-05-900101#			see 1N482A								
DP11352-05-900102#			see 1N483								
DP11352-05-900103#			see 1N483A								
DP11352-05-900104#			see 1N484								
DP11352-05-900105#			see 1N484A								
DP11352-05-900106#			see 1N485								
DP11352-05-900107#			see 1N485A								
DP11352-05-900108#			see 1N486								
DP11352-05-900109#			see 1N486A								
A15751-1	A1	12	1N444 910D57-3 461049-6	▼ DO3 ▼ DO7 ▼ A1	1N605A 911D5-3 2019620-1	▼ DO1 A1 ▼ A1	48C873105-3 HD6062 2019620-2	▼ A6 A21 ▼ A1	SG187 167384 2019620-3	▼ A1 ▼ A1	
ARC15910	A90	11	1N34 1N66 1N69A 1N294A	A1 A23a DO7 DO7	1N34A 1N66A 1N90	▼ A90 A23a ▼ A21	1N34AS 1N69 1N116	▼ A21 DO7 A21	1N43 JAN1N69A 1N294	▼ A23a DO7 DO7	
G9P16660 #			see USN1N3005B								
CER18037 #			see 590313								
A19932-1 #			see MR5								
A19932-7	S19	12	1N1128 1N3649	▼ DO4 DO4	1N1128A USN1N3649M	▼ DO4	USN1N1128AM MR50	# DO4	1N1587	▼ DO4	
B20465H		17	Multiple-Unit Device		B20465-H-3		B20466-101		B20466-K		
B20465-H-3 #			see B20465-H								
B20466-101 #			see B20465-H								
B20466-K #			see B20465-H								
040458A	C1	13	1N701 1N961A 1N3415	DO7 P5	1N758 1N961B 1N3518	▼ A1	1N758A 1N1512 SV1015	▼ A46	USN1N758A 1N3402 461713-3	▼ A1 P5	
042558A #			see 466764-7								

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45092	A22	11	1N87 1N1625A MA4117	A23a #	1N87A ED2 45092-2	A23a A22 #	1N569 ED7	A22	1N1625 ED2009	A22	
45092-2	#		see 45092								
45288-305	□ A21	12	1N256 1N444 1N605A 910D57-3	▼ D04 ▼ D03 ▼ D01 ▼ D07	1N333 1N534 1N685	▼ D04 ▼ D04 ▼ A1	1N342 1N604 TJ40A	▼ D04 ▼ D01 ▼	1N443 1N605 TL41	▼ D03 ▼ D01	
A48315A	#		see GIB52094								
D50208	□	N46	1N672 USN1N989B 1N3049B	▼ D07 ♦ A31a	1N742 1N1799 S322-1110P1	▼ D07 A31 C1	1N989A 1N3430 S3140-1027P1	▼ P5 #	1N989B 1N3048B 3246	▼ D07 A31a	
GA52018		17	G52018	#							
GIB52094	□	17	A48315A	#							
D50256	#		see 5462286P2								
D50359	#		see C202-321								
GA52243		17	No replacement types available								
AC052858A	DO4	13	1N1375A 1N3005B 615003-9	▼ D04 ▼ D04 ▼ D28	1N1423 USN1N3005B 615003-309	▼ D04 ▼ D04 ▼ D28	1N2008A 10M100Z5	▼ DO4 DO4	1N2838B SZ554	▼ C5a ▼ S4b	
WX53439	#		see 575R743H09								
GA53461	A100	12	1N92 1N158 1N582	▼ D03	1N93 1N315A 1N583	▼ D03	1N152 1N94 1979925	▼ A34a	1N153 1N368	▼	
GA53541L1		12	USAFA1N570 1N1732 1N3283	M9a ▼ A48d DO7	1N1134 1N2375 1N3284	F14b 1N1410 DO4	1N1410 1N2376		1N1412 1N2504	A6	
GA53679		17	4D20-12	▼ C1b	4D80M3	▼ C1b					
P057276-501	M17b	17	Multiple-Unit Device	1N2175	▼ M17b	479-0381-001#	590313	▼	965514-308	▼ M17b	
WX57436	#		see 575R743H06								
P057462-501-11	Multiple-Unit Device	11	USAFA1N645 1N646	▼♦ A1 ▼ A1	1N645A 1N647	A1 A1	1N645B 1N3728	▼ A21 A1	1N645-2 C202-335	▼	
P057462-501-21	Multiple-Unit Device	11	USAFA1N645 1N646	▼♦ A1 ▼ A1	1N645A 1N647	A1 A1	1N645B 1N3728	▼ A21 A1	1N645-2 C202-335	▼ A1	
P057462-501-11		11	632281-001	▼ A1	632281-001	▼ A1	1225359-3	▼ A1	1225359-3	▼ A1	
WX58131		13	1N1363A 1N3032B AV4031 C2016492-1	▼ D04 ▼ A31a S10	1N1739 F1010 AV4032	A30 ▼ A31 S10	1N1739A AV2031 AV8031	▼ A30 A19 S11	1N2990B AV2032 AV8032	DO4 A19 S11	
WX58152	#		see 2016492-1								
SIE62004	#		see SV3145A								
SIE62004	#		see 2028467-1								
SIE62004	#		see 2028467-2								
SIE62004	#		see 2028467-3								
SIE62004-1	#		see USN1N3021B								
SIE62004-2	#		see 1N3030B								
SIE62012	#		see 1N2069								
SIE62012	#		see 2028462								
67198-501-5	A1	13	1N2043A SV1008	▼	SV125 2031121	▼ D07 ▼ A25	479-0411-002# 2243314-1	▼ A1	998A562G21	▼ DO4	
P69867	#		see SV24								
P69867	#		see 1991453								
P69867	#		see 2030318								
P69867	#		see 2030934								
P69867	#		see 2030957								
A72197	#		see A20								
CE78619	A3c	11	3BS1 PS603 HD2160	▼ A6a	FD338 PS604 D78619	▼ A22 A3c	FD339 PS605	A22	FD340 CD1113	▼ A22 A22	
D78619	N12c	11	3BS1 PS603 CE78619	▼ A6a ▼ A3c	FD338 PS605	A22	FD339 CD1113	▼ A22	FD340 HD2160	▼ A22	
B78630	DO7	11	1N294 1N462 FD323	▼ D07 ▼ A21 A22	1N301 1N462M ED2835	▼ A2a	1N303A 1N899 HD6013	▼ A2	1N460 SG132 L291664-4	▼ DO7 A1	

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CE78806	A6b	12	1N443B 1N612A 1N1492	▼ D03 D04 D03	1N444B 1N1095 1N2070	DO3 D03 ▼ A3c	1N540 1N1096 1N3194	▼ DO1 DO3 A50	1N612 1N1490 1N3278	DO7 ▼ A38f	
B78960	DO7	11	1N68 1N75 SM-B-181960	▼ D07 N23	1N68A 1N127	DO7 ▼ D07	1N70 JAN1N127A	▼ A21 DO7	JAN1N70A 1N127A	DO1 ▼ DO7	
DRC81216	□	11	1N208 1N1847 GD166 1047273	▼ C1 C1b # ▼ A22a	1N209 S5G 270	▼ C1	1N210 9GA4 UCI329	▼ C1	1N330 9PA4 411A	▼ N22	
CE93903	DO7	13	1N721A 1N3525 925251-6	▼ D07 D07 ▼ D014	1N968B SV144 2019600-14	DO7 D07 ▼ A1	USN1N968B CVC6014-22	▼ DO7 A1	1N3027B 615010-22	▼ A1 A1	
CE94067	8PIN	12	Multiple-Unit Device 1N1150 1N2366 1N2667	▼ D04	1N1150A 1N2367 322-1118P1	▼ D07	1N1237 1N2368 S5018F	DO4 #	1N1238 1N2369		
B94327		12	1N2513 1N2520 CK848	▼ D04 S35	1N2514 1N2521 CK849	▼ D04 S35	1N2515 RX106	DO4 DO4	1N2519 CK847	▼ S35	
Z97106		14	1N659 1N660AM TI252	▼ A1 A2a A110	1N659A 1N660M TI253	DO7 A2a A110	1N659M 1N661M HD2688	A2a ▼	1N660 PD124 1391107	▼ A1 A2 D014	
99250-102	□	A1	1N816 1N913 G130	▼ D07 A1	1N912 1N913A	DO7	1N912A 1N913M	DO7 A2a	1N913 TMD20		
99250-114	A38d	13	1N429 USN1N821 1N824 202-359	▼ D07 D07 ▼ A1	1N709A 1N822 1N825	▼ D07 D07 D07	1N753A 1N823 1N827	A46 DO7 DO7	1N821 USN1N823 USN1N827	▼ D07 D07 D07	
99250-118	A38d	13	1N225-2 1N936B USN1N939B	▼ D07 D07	1N757A 1N938B SV131	▼ A1 D07 D07	USN1N757A USN1N938B 8991178-11	A1 DO7 A23	USN1N935B 1N939B	▼ D07 D07	
99250-119	A38d	13	1N701 1N1523A SV1015	▼ D03	1N758A 1N3518 2019600-8	▼ D07 A1	USN1N758A E84	A1 A1	1N961B SV133	▼ D07 D07	
A100271	□	A23a	14	1N119 JAN1N276 GMD2	▼ D07 A2	1N120 1N418 DR407	DO7	1N191 1N632 ED1872	A21 DO7	1N192 JAN1N933 ED2066	▼ A21 DO7 A22
00-100423	#		see 13-112062								
A100583	DO4	12	USAF1N1202	▼ S27	1N1202 1N1346B 1N1614A 6F50	▼ S27 D04 D04	1N1343B 1N1347A 1N1615A 575R570H01	▼ S26 DO4 S19a BY722	1N1344B 1N1348 1N2253A	▼ S26 S35	
100985	#		see PS005								
102659A	A28	13	SV4010A	▼ A45	2028467-1	▼ A49b					
103000-01	#		see HD2081								
103841A	8PIN	12	1N1732 1N2361 1N2887	▼ A48d DO1	1N2328 1N2508 1N2890	▼	1N2358 1N2781 720680-9	DO1 A40 A48d	1N2359 1N2886	DO1	
110568		13	1N912 SM72	▼ A129	1N912M A2a A1		1N913		1N913M	A2a	
111356A	C1	13	E48 TI651C2 SV1005 1617451-1	▼ A46 ▼ A31 C1	E88 TI651C4 SV2005	▼ D07 C3	SV122 TI651C5 720670-14	PR505 C3 S11a	766-1001-3 925251-13	S4b S19 A1	
111356B	C1	13	1N701 1N1314-2 SV1015	▼ A1 A31 C1	1N758A 1N3518 A99250-119	▼ A1 D07 A38d	USN1N758A SV133 2019600-8	A1 DO7 A1	1N961B TI655C9	▼ D07 C3	
111356C	C1	13	1N1416 1N2044B SV808 L221821-9	▼ A8a	1N1511A 1N2972B SV1011	▼ DO4	1N1804 16A-17 SV1012	S11	1N2035 1/2-111356C # SV2012	DO12	
111356D		13	1/2-111356D # 1N2038 SV1020	▼ DO12	1N1427 1N3024B PS6316	▼ A31a ▼ A46	1N1514A 1Z15A 2031401	DO3 A25	1N1775A LPZ15A	▼ A31 A31a	
111356E		13	1N974A 1N2769 1N3409 SV4033	▼ D07 A48e P5 A45	USN1N974B 1N2769A 1N3423	▼ D07 A48e P5	1N975A 1N3033A 1N3531	DO7 A31a DO7	1N1784 1N3033B 1/2-111356E #	S11 A31a	

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120001-001 #			see 1N659								
120001-002 #			see 1N660								
120001-003 #			see 1N661								
120001-004	A1	14	1N659 ▼ 1N660AM PD124	A1 A2a A2	1N659A 1N660M TI252	D07 A2a A110	1N659M 1N661M TI253	A2a A2a A110	1N660 ▼ 1N3064 1391107	A1 ▼ DO14	
120001-005 #			see 1N660								
120001-006 #			see 1N661								
121456A	C1	13	1N2770 AV2043 AV8043	A48e S19 S11	1N2770A AV4043 CO121456B	A48e S10 C1	S1345 AV4080	A9 S10	AV2040 AV8040	A19 S11	
121456B	C1	13	1N2770 AV4043 CO121456A	A48e S10 C1	1N2770A AV4080 S1345	A48e S10 A9	AV2040 AV8040	A19 S11	AV2043 AV8043	S19 S11	
137531	D07	11	1N277 1N567 DR323	- ▼ D07	1N307 DR312 DR324	- ▼ A23a	1N453 DR313 DR325	D07	1N502 DR322		
153552-000		11	1N67A ▼ 1N265 HD2100	A21	JAN1N198 1N355 MP3016	A21 A23a A1	1N198 S322-1064G1	A21 A23a	1N198A ▼ G67	D07	
167384 □	A1	12	1N552 DI648	DO4 A38b	1N647TH DI649	A54 A38b	IN648TH DI650	A54 A38b	IN649TH	A54	
D175348 Varistor		17	No replacement types available								
178656N	C1	13	1N430 ▼ 1N1530A TI653C8 8991178-10	S20 C7 1979829-1 A23	1N430A GZ7A 1979829-1	S20 ▼ A1 C7	1N430B SV128 L2088293-8	S20 D07 A1	1N1313A7.8V ▼ TI317 8954883-2	C1 # C7	
180653 □	A1	12	1N552 1N646TH SLA604A 617834-12	DO4 A54 A69 A38	1N553 1N647TH 167384 1778936	DO4 A54 ▼ A1	1N554 USAF1N649 180654 2768525	DO4 A54 ▼ A1 A41	USN1N561 ♦ 1N673 180655 TI305	DO3 ▼ A1 # A1	
180654 □	A1	12	1N553 USAF1N649 10AL8 2268525	DO4 A1 A77a A41	1N554 1N649TH 10AL10 2268525	DO4 A54 # A41	USN1N561 ♦ 1N673 SG1007	DO3 A54 D07	1N648TH 10AL10 180655	A54 A77a A1	
180655	A1	12	1N554 10AL8 SG1007	DO4 A77a D07	USN1N561 10AL10 2268525	DO3 A77a ▼ A41	1N648TH 50E8	A54 A3c	1N649TH TI305	# A54	
B181157	D07	13	1N3287	DO7	320G	▼	CGD573	A21	S1010	▼	
SM-B-181960 □	N23	11	1N68 1N75 D1598	DO7	1N68A IN127 B78960	DO7 D07 D07	1N70A JAN1N127A	D07 D07	JAN1N70A 1N127A	▼ D07	
190290-201 #			see 1N23ER								
190290-401	F3	15	1N23D ▼ JAN1N23WE 1N3746	P3 P3 F3	1N23E 1N23WE 1N3747	P3 P3a F3	1N23EMR 1N415D MA423A	▼ P3a F3	1N23F 1N415E MA426	P3 P3a P3a	
190290-402 #			see 1N23CMR								
190290-503 #			see 1N23WE								
193517 □	N52	12	SOD5LD9 CEC2385	A48k	HVC10	A61h	SC100	A38e	PS1065	#	
194009-1 □	A48b	12	HVR80	A112a	CR108		PS2428S	#			
2042354-6 #			see PZT22A								
L221821-1 □	A8a	13	1N2032-2 10Z5.1T5 SV1005	# A31	1Z5.1T5 PR505 SV2005	DO3 S4b ▼	3Z5.1T5 PR605 720670-14	A6 S11a	MZ5.1T5 766-1001-3	▼ S19	
L221821-2 #			see 1N2033								
L221821-3 #			see 1N2034								
L221821-4 □	A8a	13	1N2032-1	#	1N2041A		PR504	S4b	SV1004	▼	
L221821-6 □	A8a	13	1N1485 SV1007	▼ A31	1N2033-2	#	1Z6.2T5	D03	MZ6.2T5		
L221821-9 □	A8a	13	1N1425 1N2044A PR611	A6	1N1511A 1N3018B SV1011	A31a ▼	1N1522A 16A-17	DO3	1N2035-1 PR511	S4b	
L221821-10 #			see 1N2040								
C231345 #			see Q7								
C248456-1 □	4PIN	12	1N1143 1N2921 SE314	F14d #	1N1143A 1N2922 720680-6	F14d ▼ A48g	IN2383 1N2923	A48g	IN2920 1H4-2361		

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L291664-4	A1	11	1N301 1N462M SG132 MF3512	▼ A2a DO7 A2	1N458 USN1N485B TI622C HD6002	▼ DO7 ▼ C3 A21	1N458M 1N485B PS699	▼ DO7 # A21	1N462 PD129 ED2835	▼ A21 A2	
L291664-5 #			see 1N461								
L291664-6 #			see PS721								
422056-1	A61p	13	1N972B 1N1882A30V 575R786H06	▼ A23	1N1361A 1N3529 625013-73	▼ DO4 A86	1N1421 B56 625013-074	▼ # A86	1N1782A 3Z30A	▼ A31 DO4	
425000		17	MA4117	#	5154	#					
436035 #			see 1N93SP								
436045 #			see SV3173SP								
436048 #			see 50M12Z5								
436938	DO4	13	10Z10T2	#	AV8010	S11	AV8011	S11	2157086-4	▼ DO4	
436939	DO4	13	10Z18T2 AV8018	# S11	AV2018	A19	AV4018	S10	SV4018	A45	
446645-4 #			see HD6058								
449337-1 #			see 1N204								
449337-3	C1	13	1N229-2 AV8017	▼ S11	1N2815B	▼ C5a	AV2017	A19	AV4017	S10	
449337-10 #			see ZA25-2								
461049-1 □	A1	12	1N441 SG109 911D4-3 1286572-1	▼ # ▼ ▼	DO3 A1 CD1123 1778936	▼ DO3 A69 A1 A1	1N645TH SLA441 HD10228	▼ #	A54 A69 SA201 PS652 925008-39	▼ A62 S8a	
461049-5 □	A1	12	1N647TH DI648 911D5-3	▼ A54 A38b ▼	1N648TH DI649 A38b	A54 A38b #	1N649TH DI650 461049-6	▼ A1	A54 A38b SG174 PS656	#	
461049-6 □	A1	12	1N647TH DI648	A54 A38b	1N648TH DI649	A54 A38b	1N649TH DI650	A54 A38b	PS508	#	
461713-3 #			see 040458A								
S/A466764 #			see A7B								
466764-1 #			see 1N465								
466764-2 #			see 1N466								
466764-3 #			see 1N467								
466764-4 #			see 1N468								
466764-5 #			see 1N469								
466764-6 #			see 1N470								
466764-7	C1	13	1N751A TI651C6 925008-31	▼ ▼ ▼ A23	A46 TI651C7	DO7 ▼	A7B 766-1000-2	▼ C1 DO7	322MR060P002 042558A	▼ C1	
474988-1	N50	11	1N303A STC105 TI620C	▼ A21 ▼	C1 STC106 C3	1N352 HD4420	▼ C1b A21 MQ4556	▼ # A21	PD105 STC108	A2 A21	
483545-1 #			see HD2046								
B484529-4 #			see 1N1323A								
B484529-5 #			see 1N1319A								
B484529-6 #			see 1N469A								
B484529-8 #			see 1N1319A								
484529-9	C1	13	SD10	▼	C1	AV2105	A19	AV4105	S10	SV5013	▼ N51
488231 □	A6	12	1N322 IN549 1N1261	▼ USN1N561 1N2776	DO2 DO3 A40a	1N322A 1N561 1N3563	DO2 DO3 A50	1N329 1N563	DO2 DO4	1N329A 1N563	▼ DO4
488830-1	A48e	13	1N1361A Multiple-Unit Device 1N1528A 1N3030A 615002-24	▼ DO3 A31a ▼ A9	DO4	1N1421 1N1598 1N3033B	▼ DO4	1N1430 1N1781 147M1680	▼ A31	1N1528 1N1881 615002-22	▼ DO3 A31
B488830-2 #			see 1N3033B								
B488830-3 #			see 1N3033B								
B488830-4 #			see 1N3033B								
488922-1 #			see T5G								
500674	DO4	12	1N321 1N606 2SS80	▼ DO1	1N547 USAFA1N649 PS060	▼ A1 A46	1N560 1N854 488231	▼ DO3 A6	1N561 1N1257 2016492-1	▼ A53 A31	
527758		11	1N281 1N500 T8G HD2940	▼ DO7 #	1N305 1N772 T9G	▼ DO7 #	A23a 1N774 C202-321	▼ A23a A1	1N453 1N775 D2138	▼ # DO7	

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WX534311 #			see 575R743H11								
WX534313 #			see 575R743H13								
549156	C12	13	1N1368A ▼ E5T50A51	DO4 A78a	1N1830A ▼ E5T50B51	DO4 A78a	1N2831B ▼	C5a	USN1N2831B ♦	C5a	
590313		17	1N2175 ▼	M17b	CER18037 #				965514-308 ▼	M17b	
D602385-21 #			see ZA25-3								
D602385-23 #			see ZA25-3								
D602385-24 #			see ZA25-3								
D602385-25 #			see ZA25-3								
D615002-1 #			see SV815								
D615002-3 #			see 1N429								
D615002-4 #			see 1N468A								
D615002-5 #			see 1N1314								
D615002-7 #			see 1N470A								
D615002-8 #			see SV6								
D615002-10 #			see SV18								
D615002-12 #			see 1N1876A								
D615002-13 #			see 1N1316								
615002-15		13	1N1429 1N1597A 1N3028A	DO4 A31a	1N1527 ▼ 1N1779 USN1N3028B □♦	DO3 A31	1N1527A ▼ 1N1880 PZT22A	DO3 A31a	1N1597 1N1880A ▼		
D615002-16 #			see 1N706A								
D615002-18 #			see 1N726								
D615002-19 #			see 1N1319								
D615002-20 #			see 1N1320								
D615002-21 #			see 1N227								
615002-22 □	A31	13	1N1361A ▼ 1N1528A ▼ 1N1881 ▼	DO4 DO3	1N1421 ▼ 1N1598 1N3030A	A31a	1N1430 ▼ 1N1609 615002-29 □	DO4 A9	1N1528 1N1781 ▼	DO3 A31	
615002-23 □	A9	13	1N1367 ▼ 1N1829C USN1N2829B ♦	DO4 C5a	1N1367A ▼ 1N1900 1N2995A	DO4	1N1829 1N2829A 1N2995B	S19a C5a DO4	1N1829A ▼ 1N2829B ▼	C5a	
615002-24 □	A9	13	1N1369 1N1831C 1N2999A	DO4	1N1369A ▼ 1N2832A 1N2999B	DO4	1N1831 ▼ 1N2832B 50M56ZR5	S19a C5a TO3	1N1831A ▼ USN1N2832B ♦	DO4 C5a	
D615002-25 #			see 1N229								
D615002-26 #			see 1N474								
615002-27 □	A1	13	1N966B 1N3523 HZ8142	DO7 DO7	USN1N966B □♦ GLZ16BCA	DO7 DO7	1N1818A ▼ FZ16T5	DO4 A21c	1N2980B ▼ SV139	DO4 D07	
D615002-28 #			see 1N1530A								
615002-29 □	A9	13	1N1361A ▼ 1N1528A ▼ 1N1881 ▼	DO4 DO3	1N1421 ▼ 1N1598 1N3030A	A31a	1N1430 ▼ 1N1609 615002-22 □	DO4 A31	1N1528 1N1781 ▼	DO3 A31	
615002-30 □	A9	13	1N1363 1N1825A ▼ 1N3032A	DO4 DO4 A31a	1N1363A ▼ 1N1825C 1N3032B	DO4 A31a	1N1783 1N1882 F1010	A31	1N1825 1N2990B	S19a DO4	
D615003-1 #			see SV918								
D615003-2 #			see 1N2044								
D615003-3 #			see 1N2047								
D615003-3 #			see SV915								
D615003-5 #			see SV2009								
615003-6 □ S11	S11	13	1N1824A ▼ 1N2989B ▼	DO4	1N1824RA ▼		1N2823B ▼	C5a	USN1N2823B ♦	C5a	
Reverse Polarity Type											
615003-8 □	S28	13	1N1373A 10M82ZR5	DO4 DO4	1N1835A ▼ AV8080	D04 S11	USN1N2836B ♦ AV8081	C5a S11	1N3003B ▼ 615003-308 □	D04 S28	
615003-9 □	S28	13	1N1375A ▼ 1N3005B 615003-309 □	DO4 DO4 S28	1N1423 ▼ 10M100Z5	D04 D04 SZ554	1N2008A ▼ S4b	DO4 AC052858A ▼	1N2838B ▼ AC052858A ▼	C5a D04	
D615003-10 #			see 1N1374								
D615003-201 #			see SV918								
D615003-202 #			see 1N2044								
D615003-203 #			see 1N2047								
D615003-203 #			see SV915								
D615003-205 #			see SV2009								
D615003-206 #			see 1N1362RA								
D615003-208 #			see 10M82ZR5								
D615003-210 #			see 1N1374								
D615003-301 #			see SV918								
D615003-302 #			see 1N2044								
D615003-303 #			see 1N2047								

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D615003-303 #			see SV915								
D615003-305 #			see SV2009								
D615003-306 #			see 1N1362RA								
615003-308 □	S28	13	1N1373A 10M82ZR5	DO4 ▼ DO4	1N1835A AV8080	DO4 ▼ S11	USN1N2836B AV8081	♦ C5a S11	1N3003B 615003-8	▼ D04 ▼ S28	
615003-309 □	S28	13	1N1375 1N3005B 615003-9	DO4 DO4 ▼ S28	1N1423 10M100Z5	DO4 ▼ SZ554	1N2008A	♦ DO4 ▼ S4b	1N2838B AC052858A	▼ C5a ▼ D04	
D615003-310 #			see 1N1374								
D615003-312 #			see SV2022								
D615003-313 #			see 10M17Z5								
D615003-314 #			see 10M25Z5								
D615003-319 #			see SV2018								
D615003-320 #			see 1N1359A								
615003-323	DO4	13	1N2823B	▼ C5a	USN1N2823B	♦ C5a	1N2989B	▼ DO4	615003-6	▼ S11	
D615003-325 #			see SV2007								
D615003-326 #			see 1N1827A								
D615003-330 #			see 1N2986B								
D615003-331 #			see 1N2970B								
D615010-3 #			see 1N720A								
D615010-4 #			see SV133								
615010-5 □	A31	13	1N712 1N1931 SV3334	DO7 ▼ A45	1N756A 1N1958 L2088293-8	▼ A1	USN1N756AM 1N3516 8954881-9	♦ A1 DO7 N44	1N959B SV128	▼ D07 D07	
D615010-6 #			see SV142								
D615010-7 #			see 1N1773A								
615010-8 □	A31	13	1N1358A 1N2818B 3Z20T5	DO4 C5a ▼	1N1820A USA1N2984B 10M20ZR5	▼ DO4 ▼ DO4	1N1876A 1N3027B 925251-9	▼ A31a DO4	1N2048C 1Z20T5	DO3	
D615010-9 #			see 1N721A								
615010-10 □	A1	13	1N759A 1N1426 575R786H02	A1 ▼ A23	USN1N759A 1N1513A	▼♦ ▼ ▼	A1 1N963A 1N1524A	▼ D07 DO3	USN1N963B 1N3520	▼♦ D07 D07	
615010-11 □	A31	13	1N1368 1N1788 1N3037B	DO4 A31 ▼	1N1368A 1N1830 8950229-24	▼ A31 ▼ A41	1N1742 1N1830C	A30	1N1742A 1N2997A	▼ A30 DO4	
D615010-12 #			see SV126								
615010-13 □	A31	13	1N1354A 1N3023B 2157086-5	DO4 A31a ▼	1N1774A 322-1167P10 2157086-5	# ▼ DO4	1N1816A PR518	S4b	USN1N2811B PR618	C5a A6	
D615010-15 #			see 1N472								
D615010-16 #			see 1N1313								
D615010-17 #			see 1N1771A								
D615010-18 #			see 1N758								
D615010-20 #			see 1M100Z5								
615010-22 □	A1	13	1N721A 1N3525 CE93903	DO7 DO7 ▼	1N968B SV144 925251-6	▼ DO7 ▼ ▼	DO7 SV544 # DO14	USN1N968B 2019600-14	▼♦ DO7 A1	1N3027B CVC6014-22	▼ A31a ▼ A1
D615010-23 #			see 1N736								
D615010-24 #			see 1N756A								
D615010-26 #			see 1N754A								
D615010-27 #			see SV1006								
615010-28 □	A1	13	1N1510 1N2034 1979827-1	DO12 S4c ▼	1N1521 1N2043 1979832-4	▼ DO4 ▼ ▼	1N1591 202-363	▼ A31	1N1602 SV1009	▼ ▼	
D615010-29 #			see SV122								
D615010-30 #			see SV1035								
D615010-31 #			see SV1024								
D615010-33 #			see 1N3020B								
615010-34 □	A31a	13	3/4M50Z5 1N1830A 8950229-24	DO4 DO4 A41	1N1368A 1N2997B	▼ DO4 ▼ A41	1N1742 1N3037B	A30 A31a	1N1742A 10M50ZR5	▼ DO4	
615010-35 □	A31a	13	3/4M82Z5 E5T50A82 615003-308	A78a S28 ▼	1N1835A E5T50B82	▼ A78a	1N3003B 10M82ZR5	DO4 DO4	1N3042B 615003-8	▼ A31a ▼ S28	
615010-36 □	A31a	13	3/4M68Z5 1N1791A 1050999	A31 A9 ▼	1N1371A 1N1833A 1060472-1	▼ A31 ▼ A31	1N1422 1N3001B	DO4	1N1431 1N3040B	▼ A31a	
D615010-37 #			see 1N723A								
D615010-38 #			see 1N469A								

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D615010-39 #			see 1N465									
D615010-40 #			see 1N231									
D615010-41 #			see 1N230									
D615010-44 #			see PS6313A									
D615010-46 #			see 1N702									
D615010-47 #			see 1N702A									
D615010-48 #			see 1N3032B									
D615011-1 #			see 1N430									
615011-3 □	A29	13	1N1375A ▼ 10M100Z5 ▼ 615003-9 □	DO4 DO4 S28	1N1423 ▼ SZ222 # 615003-309 □	S28	1N2008A SZ554 ▼	DO4 S4b	1N3005B AC052858A ▼	D04 D04		
C615011-4 #			see 1N2767									
615011-5 □	A31a	13	1N941A ▼ USN1N945B ▲ PZP12A ▼	DO7 DO7 A31a	USN1N941B ♦ 1N1426 ▼ MZ1678 #	DO7	1N944B ▼ 1N1524A ▼ 720670-53 □	DO7 DO3 C14	USN1N944B ♦ LPZ12A ▼	D07 A31a		
617833-2 #			see T22G									
D617834-4 #			see HR10251									
D617834-5 #			see 1N486									
D617834-6 #			see 1N487A									
D617834-7 #			see 1N540									
D617834-8 #			see 1N538									
D617834-9 #			see 1N597									
D617834-10 #			see 1N1695									
617834-12	A38	12	1N552 1N646TH 180653 ▼ 2268525 □	DO4 A54 A1 A41	1N553 ▼ 1N647TH 180654 ▼ 167384 □	DO4 A54 A1 A1	1N554 ▼ 1N673 ▼ 180655 ▼ A1	DO4 A1	USN1N561 ♦ SLA604A 1778936 ▼	D03 A69 A1		
D617834-13 #			see 1N1253									
D617834-14 #			see 1N1255									
D617834-15 #			see 1N539									
D617834-16 #			see TJ40A									
D617834-17 #			see 1N537									
D617834-18 #			see 1N604									
D617834-21 #			see 1N1408									
D617834-22 #			see 1N1732									
617893-1	A21	14	1N627 ▼ 1N660M ED2854	A21 A2a	1N627M 1N806 HD6573	A2a	1N628 ▼ 1N806M HD6648	A21 A2a A21	1N628M 8-7453 ▼	A2a		
617893-2 □	C1	13	1JC7877H22 ▼ 1N1319A30V ▼ 1N3529	C1 C1 DO7	1N725A ▼ 1N1782A ▼ 575R786H06 □	DO7 A31 A23	1N972B 1N1882A30V ▼ 625013-073 ▼	DO7 A86	USN1N972B ♦ 1N1964A30V ▼	D07		
617893-3	C1	13	1N726A ▼ 1N3530 AV4034	DO7 DO7 S10	1N973B F1010 ▼ AV8034	DO7 A31 S11	USN1N973B ▼ AV2034	DO7 A19	1N3032B ▼ SV4033A	A31a A45		
617914	N53	13	PS1159 #		No replacement types available							
617941-1 #			see 10M87-5ZB2									
617941-4 □	S28	13	USN1N2844B ♦	C5a	11-750-02-984▼	C5a	SZ244 #		PS1159 #			
617981-2 □	A1	11	1N458 ▼ PD129 HD6007	A21 A2 A21	1N458M ▼ SG132 ▼ 620098 □	A2 D07 C1	IN460 ED2839		1N899 MP3512 ▼	A2 A2		
620098	C1	11	1N302A ▼ 1N434A ▼ PD112 CK863B	A2	1N302B USN1N485B ▼♦ PD113 HD6154	D07 A2 A21	1N352 ▼ IN485B ▼ FD114 HD6189 ▼	C1b D07 A2 A21	IN354 ▼ PD111 ▼ PD114 ▼ 1249959-11 □	C1b A2 A2 A22		
D620385-12 #			see ZA12-3									
D620385-13 #			see ZA12-3									
620385-22 □	C1	13	766-1000-10 □ SV4022A	A45 A45	AV2022 AV8022	S19 S11	AV4022	S10	SV4022	A45		
620447 #			see 1778936									
622827-2 □	A1	11	1N432B PD131 HD6005	A2 A21	1N456 ▼ FD325 HD6764 ▼	D07 A22 A21	1N456M ED2822	A2a	T13G ▼ ED2837	A62		
624781-1	A21	11	1N302B 1N890M MQ4512 ▼	A2a A21	1N434B 2JC2189H03 ▼	A1 A21	1N457 ▼ 322-1068P1 ▼	A21 C1	IN457M ED2838	A2		
625013-073	A86	13	1N1361A ▼ 1N1882A30V ▼ 50M27Z5 ▼	DO4 T03	1N1421 USN1N2822B ♦ 2061905	C5a S28	1N1609A ▼ IN2988B ▼ 2124398 □	D04 D04 S28	IN1823A 3Z30A ▼	D04 D04		

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625013-074	A86	13	1N972B 1N1782A 575R786H06	▼ A31 A23	DO7 1N1882A30V 625013-073	▼ A86	USN1N972B 1N1882A30V 625013-073	▼ DO7 A86	1N1361A 3Z30A	▼ DO4	1N1421 LPZ30A	▼ #	
625014-399 #			see BB12K4F										
625014-443	A31a	13	3/4M15ZB2 1N1525 1N1775A	# ▼ A31	DO3 1N1595 1N1878	▼ A31	1M15Z10 1N1595A 1N1878	▼ DO1	1N1427 1N1595A 1Z15A	▼ DO4 DO3	1N1514 1N1775 1979832-2	▼ A31 ▼ A27	
632281-001 □	A1	11	USAFA1N645 1N646	▼ ▼	A1 A1		1N645A 1N647	A1 A1	1N645B 1N3728 1225359-3	A21 A1	1N645-2 C202-335	▼ A1	
632704-101 #			see 1N717A										
D632704-102 #			see 1N719A										
D632704-103 #			see 1N720A										
D632704-104 #			see 1N721A										
D632704-105 #			see 1N722A										
D632704-106 #			see 1N723A										
D632704-107 #			see 1N724A										
D632704-108 #			see 1N725A										
D632704-109 #			see 1N726A										
D632704-110 #			see 1N727A										
D632704-112 #			see 1N729A										
632704-113 □	A1	13	1N730A 1N3036B	# ▼	A31a	1N977B 1N3534	DO7 DO7	USN1N977B	▼ DO7	1N1884A	▼		
D632704-114 #			see 1N731A										
D632704-115 #			see 1N732A										
640289 #			see C334C046H01										
640289 #			see C334C047H01										
666137-234 □	S4c	13	1N1483 10Z6.2T5 AV2046	▼	A19	1N2043A 202-447	▼ S19a	1N2805 AV2044	C5a A19	1N2971 AV2045	DO4 A19		
666137-235 #			see 1N1816A										
L682034-2	A21	14	USN1N3070 AM704 AM717	▼ DO7 DO7	A22	1N3070 AM704A AM717A	A22 DO7 DO7	AM701 AM714	DO7 DO7	AM701A AM714A	DO7 DO7		
C682742-1	A31	13	1N1374A 1N3004B E5T50B91		DO4 DO4 A78a	1N1794 1N3043A	A31 A31a	1N1836A 1N3043B	▼ #	DO4 DO4	1N3004A E5T50A91	DO4 A78a	
C682742-2 #			see 1N1795										
C682742-3 #			see 1N1781A										
720603-3 □	DO7	14	1N770 ED2013 8935924-1	▼ DO14	DO7	1N3773 ED2014	DO7	CTP605 ED2051	▼ A1 A22	ED1869 8935922-1	▼ A22	DO14	
720603-4	DO7	14	1N3146		GMD5	A2	Q30-750			D1820			
720608-4 □	A1	14	1N903A 1N908AM 1N3064 FD100	▼ #	A22 A2a	1N903AM 1N908M 1N3064M	A2a A2a A2a	1N903M 1N3062 1N3066	A2a	1N908A 1N3062M 1N3066M	A22 A2a A2a		
720608-6 □	DO7	14	1N691 1N922 576R209H02	▼ DO7 DO7	DO7	1N692 1N923 MA4446	DO7 DO7 DO7	1N693 1N3298	DO7 A46	1N921 1N3653	DO7		
720635-6 #			see HD6261										
720635-9 □	A1	11	1N137B 1N483B ED2837	▼ ▼ DO14	C1b A62	1N432A FD325 HD6005	A22 A22 A21	1N456 PS512A 622827-2	▼ ▼ ▼ DO7	1N456M DR863	A2a		
720650-2 □	F3	17	MA425	#									
720660-14 □	S35	12	1N1615A 1N2151		DO4 S35	1N1346B 1N2151A	S35	1N1347B 1N2255A	S35	1N1414 1N2495	DO4		
720660-21 □	S14f	12	1N1331 1N1672 1N3162		S14f S14e	1N1332 1N2057 1N3736	S8b S8b DO9	1N1378 1N2058 327B	S14h S8b	1N1379 1N2059	S14h S8b		
720670-14 □	S11a	13	1N2041B 766-1001-3	▼ S19	10Z5.1T5 SV2005			202-376	▼ S19a	PR505	▼	S4b	
720670-15 □	S11	13	1N1351A 1N2498A 10M10Z5R	▼ DO4 DO4	DO4 C5a S4b	1N1604A USA1N2974B PR515	DO4 DO4 DO4	1N1743 SV2015	DO4	1N2045A HPZ10 46610207	▼		
720670-27 □	A21	13	1M75Z 1N3041B CD3173	▼ A31a	DO1 A31a	1N735A E5T50A75	DO7 A78a	1N982B E5T50B75	DO7 A78a	USN1N982B GLZ75BCA	▼ DO7	DO7	

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720670-28	✓	A19	13	1N1359A 1N1527A USN1N3028B	▼ ▼ ▼♦	D04 D03 A31a	1N1420 1N1821A PZT22A	▼ ▼ ▼	1N1429 1N1880A PR644	A6	1N1516A USN1N2819B SV1033	▼ ♦ ▼	C5a	
720670-31	✓	C1	13	1N429 1N824 911D15-3	▼ ▼ ▼	C1 D07 C1	USAFA1N429 1N1735 752909	▼ ▼ ▼	C1 A27 A27	D07	1N822 DXX766-1000-5 8954881-6	▼ ▼ ▼	D07 C1 N44	
720670-34	✓	A31a	13	1N2620 1N2622A 8991170-4	▼ ▼ ▼	A31a A31a A31a	1N2620A 1N2623	▼ ▼	A31a A31a	1N2621A 1N2623A	A31a A31a	1N2622 1N2624A	▼ ▼	A31a A31a
720670-35	✓	A21	13	1N465A	▼		SS3144	A27	SV3144			SV3144A	▼	A45
720670-39		DO7	13	1N707A 911D18-3 8706018-8	# ▼ ▼	A1 C3	SV126 SV1009	▼ ▼	A1	202-363 SV3171	A31 A45	TI653C4 1979832-4	▼ ▼	C3 A27
720670-41	#			see 1N709A										
720670-44	#			see 1N712A										
720670-46	#			see 1N714A										
720670-47	#			see 1N715A										
720670-48	#			see 1N716A										
720670-49	#			see 1N717A										
720670-50	#			see 1N718A										
720670-52	#			see 1N720A										
720670-53	✓	C14	13	1N1353A 1N2500A 1.5M12Z5	▼ ▼ ▼	D04 D04 C12	1N1417 1N2810B 50M12Z5	▼ ▼ ▼	C5a C5a TO3	1N1605A USN1N2810B SV2017	D04 C5a	1N2046A 1N2976B 956442-501	▼ ▼ ▼	DO4
720670-54	✓	A67	13	1N1426 PS1180	▼ #		1N1524A PS1440	▼ ▼	D03 N44a	LPZ12A 720670-53	A31a C14	PZP12A	▼	A31a
720670-56			13	1N1483 1N2970A SV2007		DO4	1N1804 1N2971 666137-234	S11 ▼	1N1805 10Z6.2T5	S11	1N2042B 10Z7.5V25	#		
720670-57			13	1N1426 1N1877 LPZ12A	▼ ▼ ▼		1N1524 1N3022A PZP12A	▼ ▼ ▼	D03 A31a A31a	1N1524A 1N3537 720670-53	D03 A31a C14	1N1773 1Z14.5V25	#	A31
720670-64	✓	A46	13	USN1N968B MZ19BBA SV2093 720670-65	▼♦ ▼ ▼ ▼	D07 D04 D04 C12	1N1737 PR524 AV4019	▼ ▼ ▼	A29 S4b S10	1N1737A SV1024 PS6317A	A29	1N2048B SV2024 AV8019	▼	S11
720670-65	✓	C12	13	1N2048B SV2024			1.5M19Z5 SV2093	# ▼	D04	MZ19BBA AV4019	D04 S10	PR524 AV8019	S4b S11	
720670-67	✓	A31a	13	3/4M25Z5 PR646 AV4025	# A6 S10		1N2820B SV1035 925251-10	▼ ▼ ▼	C5a	LPZ25BBA SV2105 925251-11	A31a D04 A6a	50M25Z5 AV2025	▼ ▼	T03 A19
720670-70	✓	C5a	13	1N2827B	▼	C5a	USN1N2827B	♦	C5a					
720670-71	✓	A46	13	1N935 1N936A 1N939B		D07 D07 D07	1N935A 1N936B USN1N939B	▼ ▼ ▼	D07 D07 D07	USN1N935B 1N938B PS6313A	D07 D07 D07	1N936 USN1N938B	♦ ♦	D07 D07
720670-72	✓	A46	13	USN1N962B PS6314A	▼♦ #	D07	V10-1 2017289-1	▼	C31 C1	V10-1A	C31	V10-1B		C31
720670-73	✓	A46	13	USN1N964B 1N2499C PS6315A	▼♦ #	D07	1N1352 1N3021A 615010-13	▼ ▼ ▼	D04 A31a A31	1N1772 1N3023B 2019599-12	A31a A31a A25	1N2499 SV1018	▼	S19a
720670-75	✓	A46	13	1N769A 766-1000-10 SV4022A		A45 A45	1Z23A AV2022 PS6318A	▼ #	D03 A19 A19	E5T50A23 AV4022 AV8022	A78 S10 S11	E5T50B23 SV4022 620385-22	▼	A78 A45 C1
720670-77	✓	N12d	13	1N748A PS6467	▼ #	A1	USN1N748AM 900120-86	♦ ▼	A1 A101	FZ3.9T5	A21c	PS1423		A48d
720680-3	#			see SA1733										
720680-5	✓	A48e	12	1N2382 1N2916	▼ ▼	A48c	1N2910 1N2917			1N2911 7701-4	A48k	1N2915 1054499	▼ ▼	4PIN
720680-6		A48g	12	1N1756			1N2383	▼	A48g	1N2922		1N2923		
720680-8	#			see SA1776										
720680-9		A48d	12	1N1732 1N2891 1N2895	▼	A48d	1N2328 1N2892	▼		1N2361 1N2893	D01	1N2890 1N2894	▼	
720699-12	#			see HD6017										
720699-45	#			see SB1X3										
720699-48	#			see HD6565										
720699-75	#			see HD6147										
720699-88		A21c	11	1N34 1N54A 1N69	▼ ▼ ▼	A1 D07 D07	1N34A 1N60A 1N69A	▼ ▼ ▼	A90 D07 D07	1N35 1N66 ED3	D07 A23a A22	1N54 1N66A ED1834	▼ ▼ ▼	D07 A23a

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720699-92 #			see HD6811								
720699-94 #			see HD6189								
720699-106		17	3C200 3C2200	T09 T09	3C200A 3C2200A	T09 T09	3C1200 4D120M3	#	T09	3C1200A	T09
720699-107	A46	12	1N536 1N1251 25C2162H01	▼ A03 A53 A25	1N607 1N2080 75E05	▼ D04 A53 A3c	1N607A 1N2090		DO4 M21	1N1028 1N2103	▼ A73 A53
720699-108 □	T048	12	2N689 16RC50 C36S	S18 S18 T048	2N689A C35M C40E	S18 T048 T048	2N1850 C35S SCR1660		TO48	2N1850B C36M S18	T048
720699-109 □	S18	12	2N686 2N688 2N1847 2N1849	▼ S18 S18 T048 T048	2N686A 2N688 2N1847B 2N1849B	S18 T048 S18 S18	2N687 2N688A 2N1848 TCR2520	▼ TO48 TO48	S18 S18 TO48 USN2N688A	2N687A 2N689 2N1848B ▼ S18	S18
720699-110 □		12	2N1796 70RC50A	S108 T049	2N1797 71RC50A	S108 S191	2N1915 WX809F		TO49	C50C # TCR3050	
720701-8	P3a	17	SVC14	P6	ZC32		MA460B		P3	D4075C	P3a
744993-20	A21	11	1N302A SD20 HD6008	▼ ▼ A21	1N459 CK863A 744995-20	▼ A21	1N459M ED2840 1249959-11	▼ A21	A21	1N1849 MQ4551	C1b ▼ A21
744995-20 □	C1	11	1N302A SD20 HD6008	▼ ▼ A21	1N459 CK863A 1249959-11	▼ A21	1N459M ED2840	▼ A22	A2	1N1849 MQ4551	▼ C1b
A750147		17	1N79	▼	A750180	#					
OL750147 #			see 1N21B								
A750180 #			see A750147								
SP750549B		17	1N72 DC7C	▼ ▼	1N132 DC7D		DC7 CR401	#		DC7A CR402	#
752909 □	A27	13	1N429 1N824 720670-31	▼ ▼ ▼ C1 D07 C1	USAFA1N429 1N1735 1979821	▼ C1	1N821 A27 8954881-6	▼ D07 N44	D07	1N822 911D15-3	▼ D07 C1
767246A #			see 1669082								
767246A #			see 1N1223								
816141-1 □	N12a	13	1N675 1N827A 1Z6.2T5	▼ D07 D03	1N753A 1N1483 SV2009	▼ D07 ▼	A46 1N1485 1N821		D07	1N825A 1N3513	D07 D07
826217	A22	13	1N1948 1N3463		1N1975 S36 AZ20		1N2002 C1 SZ145	▼ #		1N3101 617914	▼ N53
895083	S24a	12	1N1110 1N2328 1N2490	▼ ▼ ▼	F22c 1N1130 1N2358 1N2508	▼ D01 D01	1N1131 1N2360 1N2780	▼ A40a A40a	S24a	1N1746 1N2361 1N3234	D01 A21b
900120-86 □	A101	13	1N748A 720670-77	▼ ▼ A1 N12d	USN1N748AM	♦	A1	FZ3.9T5	A21c	PS1423	A48d
V901468A	A111	12	1N92 1N153 HD2261	▼ D03 #	1N93 1N158 GA53461	▼ ▼ ▼	D03 A100	1N94 1N315A 1979925		1N152 1N368	▼
V905187-02 #			see SV2005								
V905187-04 #			see SV2007								
V905187-06 #			see SV2009								
V905187-09 #			see SV2012								
V905187-11 #			see SV2014								
V905187-12 #			see SV2015								
V905187-14 #			see SV2017								
V905187-15 #			see SV2018								
V905187-18 #			see SV2021								
V905187-19 #			see SV2022								
V905187-20 #			see SV2023								
V905187-22 #			see SV2025								
V905187-24 #			see SV2024								
V905187-24 #			see SV2045								
9060741-2 #			see SE202								
907801	A23a	14	S595G ED1862 ED2018 720699-88	▼ D07 D07 ▼ A22	S759G ED2015 ED2066 925253-2	# A22 ▼ A1	CTP765 ED2016 HD2651	# #	ED1806 ED2017 A100271	A22 ▼ A23a	
907806	A23a	14	1N691 1N844M AM619	▼ D07	1N697 1N845 AM619A		A21 D07	USN1N697 1N845M AM701	A1 A2a D07	1N844 S231 AM701A	A21 # D07

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908290	✓	A23a	14	1N643 1N914 DR498	▼ ▼ #	D07	1N658 USN1N3070 S856G	▼ ▼ #	D07 A22	USA1N658 1N3097 CGD879	▼ # #	D07	1N662 CID206 682034-2	▼ # ▼	A1 A61
V908298-01	#			see 1N753A											
V908298-02	#			see 1N754A											
V908298-03	#			see 1N758A											
V908298-04	#			see 1N746A											
V908298-05	#			see 1N759A											
V908382	#			see 1N1807											
V908382	#			see 1N2972B											
908696-01			12	2N1596 2N1774 2N1883	T05 S17 T09	2N1597 2N1774A 2N1931	T05 S17	2N1598 2N1775A 2N1602	T05 S17 S62	2N1601 2N1882	T09	S62 TO9			
925006-1			17	No replacement types available											
925008-4	✓	A23	11	1N459 PD130 ED2840	▼ A2 A2	1N459M SG133 MQ4551	A2 ▼ A38a ▼ A21	1N486B FD328 H6008	D07 A22 A21	1N1849 CK863A A10859	▼	C1b A21 A21			
925008-7	#			see HD6014											
925008-15	#			see HD6551											
925008-19	✓	A23	13	1N720A 1N3026B SV142	▼ A31a ▼	USN1N967B 1N3524 SV156	▼ D07 #	1N967B GLZ18BCA HZ8144	D07 D07	1N1317A18V FZ18T5 C2019621-1	▼	C1 A21c A25			
925008-20	#			see HD6032											
925008-21	✓	N12	13	1N716A USN1N963B SV135	▼ ▼ ▼	D07 D07 D07	1N759A 1N1513A 575R786H02	▼ ▼ #	A1 A1 A23	USN1N759A 1N3520 615010-10	▼ D07 ▼	A1 D07 A1	1N963B Z12	DO7 C18a	
925008-26	✓	A23	11	IN217 PD110 PD114	C1 A2 A2	1N434A PD111 PD115	▼	1N622M PD112 HD6189	A2a A2	2JC3636H02 PD113	▼	A1 A2			
925008-31	✓	A23	13	1N751A 322MR060P002	▼ C1	A46 TI650C6	▼	D07 A7B TI651C7	C1	SV148 766-1000-2	▼	D07			
925008-34A	#			see HR10217											
925008-37	#			see HR10317											
925008-39	✓	A1	12	1N441 SA201 911D4-3 1778936	DO3 ▼ A62 A1 A1	1N441B SLA441 CD1123	▼	DO3 A69	1N645TH SLA441B HD6342	A54 A69	G138 SG723 1286572-1	▼	A1		
925011-3	M51	13	Multiple-Unit Device	1N1948 1N3463 826217	S36 A22	1N1975 AZ20	C1	1N2002 MD3515	#	1N3101 617914	▼	N53			
925011-9	M51	13	Multiple-Unit Device	IN1370A E5T50B62 AV4061	DO4 A78a S10	1N1832A 10M62Z5 AV8061	▼	DO4 D04 S11	1N3000B AV2061	D04 A19	E5T50A62 MP3713	▼	A78a		
925015-1	#			see SA1734											
925016-5	A1	13		USN1N748AM 1N1588A HZ8111	♦ #	A1	1N748A 1N1599A 900120-86	▼ ▼ ▼	A1 A101 7901722-001	▼ C3	1N1518A TI650C1	▼	DO3		
925049-504	✓	A21	11	IN67A 1N265 HD2100	▼ ▼ ▼	A21	1N198 1N355 MP3016	▼ ▼ ▼	A21 A23a A1	JAN1N198 S322-1064G1 153552-000	A21 A23a G67	IN198A PS856 G67	DO7		
925250-1	✓	A23	12	IN333 IN2015 TJ25A 617834-12	▼ DO4 A38	1N335 IN3074 SA301	▼ ▼ ▼	DO4 D012 A62	1N342 TL21 HD6839	DO4	IN1101 TM23 180653	▼	A1		
925251-3	✓	A23	13	IN701 IN1523 SV1015	DO3	1N758A IN3518 A99250-119	▼ ▼ ▼	A1 DO7 A38d	USN1N758A SV133 2019600-8	A1 DO7 A1	IN916B SV443	▼	DO7		
925251-4	✓	DO4	13	IN1589 IN2041A 1876822	▼ S11a	IN1600 PR504 1999131	▼ ▼ ▼	IN2032 S3b D04	PR604	D012 A6	IN2041 SV2293	▼	DO4		
925251-5	✓	DO14	13	IN755A MZ7.5T5 HZ8285	▼ DO3	USN1N755A SV127 1979832-5	▼ ▼ ▼	A1 DO7 A27	IN958B 766-1000-7 2019600-17	DO7 DO7 A1	IN3515 SV1010	▼	DO7		
925251-6	✓	DO14	13	IN721A IN3525 CE93903	▼ DO7 DO7	USN1N968B SV144 615010-22	▼ ▼ ▼	D07 D07 A1	IN968B CVC6014-22 2019600-14	D07 A1 A1	IN3027B HZ8176	▼	A31a		
925251-7	✓	M51	13	SZ1012 SV6033	# ▼ S11a	AV2014 AV8014	A19 S11	SV3146	▼	AV4014	•	S10			

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925251- ^c	A45	13	1N1427 1N3024B SV4015A	▼ A31a A45	1N1525A 1Z15A 2031401	D03 D03 ▼ A25	1N1595A PR620 2157094-2	▼ C12	1N1775A SV3448	▼ #	A31
925251-9	□ D04	13	1N1358A USN1N2818RB SV2025	▼ D04 C5a	1N1820A USA1N2984B	▼ D04	1N2048C 10M20ZR5	▼	1N2818B 50M20Z5	▼ ▼	C5a T03
925251-10	□ D04	13	1N2049C PR546 1979827-4	▼ S4b S4c	1N2820B SV2045X	▼ C5a	MZ25BBA AV8025	D04 S11	50M25Z5 925251-11	▼ ▼	T03 A6a
925251-11	□ A6a	13	1N2049C 50M25Z5 1979827-4	▼ TO3 S4c	1M24Z5-X PR546	# S4b	1N2820B AV8025	C5a S11	MZ25BBA 925251-10	▼ ▼	D04 D04
925251-12	□ D014	13	HR2.8 SV3145	A45	PS1177 SV3145A	▼ A45	SV3120	▼ A45	SS3145		A27
925251-13	□ A1	13	1Z5.1T5 SV122 SV2005	D03	3Z5.1T5 PR505 HZ8287	▼ S4b #	E48 766-1001-3 720670-14	A46 S19 S11a	E88 SV1005	▼ ▼	A1 A31
925253-1	□ A1	14	1N417 Q20-500 Q30-750 HD2612	▼ D03	1N631 Q20-750 Q30-950	D07	1N996 Q20-950 CTP808	▼ A1	1N3146 Q30-500 CTP810	▼ ▼	A1
925253-2	□ A1	14	1N119 JAN1N933 DR407 720699-88	▼ D07	1N120 GMD1 ED2066	A2 A22	1N192 G2 HD2605	▼ #	1N933 OA86 A100271	▼ ▼	D07 A7 A23a
925255-2	□ M51a	11	1N302B Multiple-Unit Device 1N485 MQ4622	▼ D07	1N353 1N485A HD6261	C1b D07	1N354 1N485B 1249959-12	C1b D07 A22	1N434B 1N485C		
928220-2	#		see 1N539								
941259-501		12	1N335 Multiple-Unit Device 1N604 TM23 180653	▼ DO4 DO1 ▼ A1	1N333 1N685 TJ25A 617834-12	DO4 A1 A1 A38	1N342 1N1101 SA301	DO4 A62	1N443 TL21 PS2121	▼ ▼ #	D03
C956442-50	#		see 1N2976B								
956442-501		13	1N1353A 1N2500A 10M12Z5	▼ D04 D04 #	1N1417 1N2810B 50M12Z5	C5a TO3	1N1605A USN1N2810B SV2017	D04 C5a	1N2046A 1N2976B SV2314	▼ #	D04
958958-501-003	#		see CSD2651								
958958-501-001	#		see CSD2639								
965514-308	M17b	17	1N2175	▼	M17b 590313	▼					
966904-501	A1	13	1Z5.1T5 SV122 SV2005	▼ D03	3Z5.1T5 PR505 PS6641	S4b	E48 766-1001-3 720670-14	A46 S19 S11a	E88 SV1005 925251-13	▼ ▼ ▼	A1 A31 A1
967164-501-3	A1	13	1N1510A SV1009 1979832-5	▼ A27	1N2043B S1010 8706018-8	▼ C3	MZ7.5T5 SV2009	D03	TI653C4 1979832-4	▼ ▼	C3 A27
967164-501-7	A1	13	1N964B 1N2499 615010-13	DO7 S19a ▼ A31	USN1N964B 1N2499C 720670-73	DO7 A46	1N1352 1N3021A 967516-501-3#	DO4 A31a	1N1772 1N3521 2019599-12	▼ ▼ ▼	A31 D07 A25
967164-501-13	A1	13	1N2820B SV1035 720670-67	▼ C5a ▼ A31a	LPZ25BBA AV2025 925251-10	A31a A19 DO4	50M25Z5 SV2105 925251-11	TO3 A6a	PR646 AV4025 967516-501-7	▼ ▼ #	A6 S11
967197-501-7	A1	13	1N754A 202-363 TI653C3	▼ A1 A31 ▼	USN1N754A 911D18-3	A1 DO7 A1	1N1510A SV613 976164-501-13	A1	1N3514 TI653C2 8991178-8	▼ ▼ ▼	D07 A23
967197-501-9	A1	13	1N3501 SV125 1617451-2	DO7 DO7 C1	1N3502 TI653C0	DO7	1N3503 SV674	DO7	1N3504 67198-501-5	▼ #	D07 A1
967516-501-3	N48	13	USN1N964B 1N2499 615010-13	▼ DO7 S19a ▼ A31	1N964B 1N2499C 720670-73	DO7 A46	1N1352 1N3021A 2019599-12	DO4 A31a A25	1N1772 1N3521	▼ ▼	A31 D07
967516-501-7	N48	13	1N970B GLZ24EBA SV1034	▼ DO7 DO7	USN1N970B MZ24T5 2019600-15	DO7 A46	1N3029B SV169 2031181	A31a D07 A1	1N3527 911D20-3	▼ ▼	D07 A1
970003-501	□	11	1N303 Multiple-Unit Device PD130 A10859	▼ A2 A21	1N464 SG133 816625	A21 ▼ A38a N46	1N464M FD328 925008-4	A2a A22 A23	SE59 ED2841 5462286P2	▼ #	

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970003-501-3		11	1N303 PD130 A10859 5462286P2	▼ A2 A21 ▼	1N464 SG133 816625	▼ A38a N46	1N464M FD328 925008-4	▼ A23	SE59 ED2841 970003-501	# ▼	
Multiple-Unit Type									A2a A22 A23		
1002390	✓	A1	11	1N485 1N486A 2JC2189H04	▼ D07 A1	1N485A 1N487 2JC2189H11	▼ D07 D07 A1	1N485B 1N487A	▼ D07 D07	1N486 1N488A 1249959-12	▼ D07 D07 A22
1004917	#		see 1876822								
1006753	#		see 1N249								
1011973	#		see TD6S2C1A1								
1014875	#		see SV24								
1014875	#		see 2030318								
1020128	#		see 2030934								
1020134B	#		see 2030939								
1020158	#		see 2030957								
1020174	#		see 2002993								
1020252	#		see 2031030								
1020253	#		see 2031031								
1020301	#		see 2031057								
1020307	#		see 2003092								
1020546	#		see 2031120								
1020547	#		see SV1008								
1020547	#		see 2031121								
1020608	#		see 2031154								
1020638	#		see 1N763								
1020638	#		see 2031177								
1020639	#		see 1N761								
1020639	#		see 2031178								
1020640	#		see SV137								
1020640	#		see 2031179								
1020641	#		see SV138								
1020641	#		see 2031180								
1020642	#		see SV169								
1020642	#		see 2031181								
1020649	#		see 1N764								
1020649	#		see 2031189								
1020653	#		see 1N762								
1020653	#		see 2031193								
1020654	#		see 1N1315								
1020654	#		see 2031194								
1020827	#		see 1N225								
1020827	#		see 2003175								
1020828	#		see 1N474								
1020828	#		see 2003238								
1020953	#		see 2031310								
1020954A	#		see 1N3024B								
1020954A	#		see 2031401								
A1021105-2	#		see 1N1731								
A1021105-3	#		see 1N1732								
1021105-4	A48c	12	1N1733 1N2910 720680-5	▼ A48d A48e	1N2382 1N2911	▼	A48c A48k	1N2900 1N3764	A107	1N2901 7701-4	A48k
A1021105-5	#		see 1N1734								
A1021105-6	#		see 1N2382								
A1021105-7	#		see 1N2383								
A1021105-8	#		see 1N2384								
A1021105-9	#		see 1N2385								
A1021105-10	#		see PS1132								
1021222-3	P1a	16	1N32 1N2102 MA4123a	▼ P3 F3 D07	JAN1N32 MA417 1021222-4	♦ ▼ ▼	P3 F3 P1a	1N369 D4070	P1a	1N1610 MA4123	P1a D07
1021222-4	P1a	16	1N32 1N2102 MA4123A	▼ P3 F3 D07	JAN1N32 MA417 1021222-3	♦ ▼ ▼	P3 F3 P1a	1N369 D4070	P1a	1N1610 MA4123	P1a D07
1022160	#		see 2061905								
1024075A	#		see 1N2025								
1024075A	#		see 2072019								
1024122	#		see 1N248A								
1024122	#		see 2072228								
1024132B	#		see 1N1581								
1024132B	#		see 2072233								

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1028880 #			see 1999131								
1031587A #			see 1N23EMR								
A1036794-1 #			see 1N2032								
1036794-002 □	A70	13	1N1509A ▼ 1N2033 ▼ SV905 ▼ 2041596 ▼	DO12 A33	1N1601 ▼ 1N2042 ▼ SV1006 ▼	DO4	1N1765 1N3827 1979827-2 ▼	A31 A31a S4c	1N1803 ▼ DXX766-1001-1▼ 1979832-3 ▼	S11 S19 A27	
A1036794-3 #			see 1N2034								
A1036794-5 #			see 1N2036								
1036794-006 □	A70	13	1N1426 ▼ 1N1524A ▼ 1N3022A	DO3 A31a	1N1513 ▼ 1N1594 ▼ SV1017 ▼		1N1513A ▼ 1N1773	A31	1N1524 ▼ 1N2037 ▼	DO3 DO12	
A1036794-7 #			see 1N2039								
A1036794-8 #			see 1N2040								
1047273 □	A22a	11	1N301 ▼ 1N457M ▼ 322-1068P1 ▼ HD6171 #	A2 C1	1N301A ▼ 1N1847 ▼ ED2838 624781-1 ▼	C1b A21	1N350 ▼ 9GA4 ▼ MQ4512 ▼	C1b A21	1N457 ▼ 9PA4 ▼ HD6006	A21	
1050999 □	A9	13	1N1371A ▼ 1N1833A ▼ 615010-36 ▼	DO4 A31a	1N1422 ▼ 1N1886A # 1060472-1 ▼	DO4 A31	1N1431 ▼ 1N3001B	DO4	1N1791A ▼ 1N3040B ▼	A31 A31a	
1054499 4PIN		12	Multiple-Unit Device		1N1755 1N2921 1N2925		1N2637 1N2923 S5343 #		1N2920 1N2924		
1060468-3 □	S18	12	2N683 2N686 ▼ 2N1844B	S18 S18 S18	2N683A 2N687 ▼ 16RCF10A	S18 S18 S18	2N683/C35A ▼ 2N689 ▼ C35A ▼	S18 S18	2N684 ▼ 2N1844 ▼ C35G ▼	S18 T048	
1060472-1 □	A31	13	1N1371A ▼ 1N1833A ▼ E5T50B68	DO4 A78a	1N1422 ▼ 1N3001A	DO4	1N1431 ▼ 1N3040B	A31a	1N1791A ▼ 1N3040B	A31 A78a	
1060472-2 □	A31	13	1N1353A ▼ 1N1605A ▼ LPZ12A ▼	DO4 A31a	1N1417 ▼ 1N1773A ▼ PZP12A ▼	A31 A31a	1N1426 ▼ 1N2046A ▼ 956442-501 ▼		1N1524A ▼ 1N2500A ▼	DO3 DO4	
1074103 #			see S283G								
1079542	N40	13	1N1358 1N1820C 10Z30D10 #	DO4	1N1358A ▼ 1N2048C 925251-9 ▼	DO4 DO4	1N1820 1N2984A 10M20ZR5 ▼	S19a DO4 DO4	1N1820A ▼ USA1N2984B ▼	DO4 DO4	
1081299 #			see 2031751								
1085430A #			see 2094056								
1086042 #			see 2015993								
1105445-3 #			see 1N338								
1105445-4 #			see SM223								
1105445-5 #			see SM224								
1105445-6 #			see 1N338								
1105445-9	N43	12	1N1126 ▼ 1N1128A ▼ USN1N3649M	DO4 DO4	1N1126A ▼ 1N1584 TM37 ▼	DO4 DO4	USN1N1126AM 1N1586 SM302 #	DO4 DO4	1N1128 ▼ 1N1587 ▼ CK848 ▼	DO4 DO4	
1105445-10 #			see TM8								
1105445-14 #			see 1N338								
1105445-17 #			see 1N338								
1105445-21 #			see TM8								
1105477	DO7	11	1N487 ▼ 1N487BM 1N488B	DO7 DO7	1N487A ▼ A2a 1N487M 2JC2189H11 ▼	DO7 A2a A1 SE225 #	1N487AM 1N488 335C #	A2a DO7	1N487B ▼ 1N488A ▼	DO7	
1111431	S29	12	1N1185 ▼ 1N1680	S29	USAF1N1185 ▼ 302D ▼	S29 S29	1N1186 ▼ 335C #	S29	USAF1N1186 ▼ B520	S29 M38	
1118822		13	1N1359A ▼ 1N2049A 1.5M25ZC5 #	DO4	1N1420 ▼ USA1N2985B ▼ 10M25Z	DO4 DO4	1N1608A 1N2987	DO4 DO4	1N1821A ▼ 1.5M25Z	DO4 C14	
1214131		11	1N68 JAN1N70A JAN1N127A	DO7 DO7	1N68A 1N75 B78960 ▼	DO7 DO7 DO7	1N70 ▼ 1N127 ▼ SM-B-181960 ▼	A21 DO7	1N70A ▼ 1N127A ▼	DO7 DO7	
1225359-3	A1	11	1N648 ▼ 5E5 MC060 MP600	A1 A35a A2a	1N649 ▼ 5E6 MC060A PS5303	A1 A35a A2a A46	1N3657 MC050 MP500 PS5304	A60 A2a A46	1N3658 MC050A L531-000-423#	A60 A2a	
1249959-11 □	A22	11	1N302B 1N486BM	A2a	1N353 ▼ PD135	C1b A2	1N354 ▼ CK863B	C1b	1N486B ▼ HD6154 ▼	DO7 A21	

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1249959-12	A22	11	1N486A 1N487B CD1115	▼	D07	1N486AM 1N487BM	A2a A2a	1N486B 1N488BM	▼	D07 A2a	1N486BM 1N645B	A2a
1286572-1	A1	12	1N441 SA201 DI645 1778936	▼	D03	1N441B SA301 911D5-3	A62 A62 A38b	1N645TH SLA441B CD1123	▼	D03 A54 A69	48C873105-3 SLA441B 167384	A6 A69 ▼ A1
1293411-1	A1	11	1N454A 1N483AM 1N484AM	▼	D07	1N454B A2a A2a	1N483B 1N484BM	▼	D07 A46 A2a	1N458A 1N483C HD6792	▼ A62	
1307035-1	S11a	13	AV2028		A19	AV4028	S10	AV8028		S11	SV6045	#
1391107	DO14	14	1N660 1N661M 1N928	▼	A1	1N660A A2a A46	1N778 1N928M	▼	D07 A2a A2a	1N660AM 1N798 TI253	A2a A46 A110	A2a A2a
1485544-1	A1	12	1N316 1N857 TJ5A	▼	A53	1N359 A21 B603	D02	1N359A 1N3072		D02	1N846 TM3	▼ A21
1583965-3	DO7	11	1N215 1N463M HD6014	▼	C1 A2a	1N215-1 1N1847 HD6064	C1b	1N393 FD324		A22	1N463 CK863	▼ A21
1583965-4	DO7	11	1N137A 1N458 ED2839 5462286P2	▼	C1 A21	1N303 1N458M MP3512	A2 A2	1N303A PD129 HD6007	▼	A2 A21	1N433 SG132 8/6625	▼ D07 N46
1583967	A111	12	1N442 1N3077 461049-1	▼	D012	1N603A 48C873105-3 461049-5	D01 A6 ▼ A1	1N2017 SA301 461049-6	▼	A62 A1	1N3076 911D4-3 925008-39	▼ A1 ▼ A1
1616993-1	S29	12	1N250A TR302 WN5091D	▼	D05	1N250B/C 322MS080P001 2041929	D05 S21c ▼ D05	1N2156 322MS080P002 2072019	▼	D05 S21c S29	1N2158 TR402	▼ D05
1617451-1	C1	13	1Z5.1T5 PR505 E48	▼	D03 S4b A46	3Z5.1T5 766-1001-3 720670-14	▼ A1 S19 S11a	E88 SV1005 925251-13	▼	A1 A31 A1	SV122 SV2005	▼
1617451-2	C1	13	1N470 67198-501-5	▼	C1 A1	1N2043A 2031121	▼ A25	SV125 2243314-1	▼	D07 A1	SV1008	▼
1617451-3	C1	13	1N755A 1N3515 DXX766-1000-7	▼	A1 D07	USN1N755A FZ7.5T5 SV1010	▼ A1 A21c	1N958B OAZ245		D07	1N3017B SV127	▼ A31a D07
1637720	#		see SV226									
C1651384-1	#		see 1N93									
C1651384-2	#		see 1N92									
1651384-3	A72	12	1N91 1N153 1979925	▼	D03 A34a	1N92 1N315	D03 D03	1N151 1N315A	▼		1N152 1N368	▼
1655137	DO4	13	1N2047C SV2022	▼		MZ17BBA SV2161	#	D04	69-0519	#	L353-1000-40#	
1661298	S18	12	2N682 USN2N685 2N1844 C35F	▼	S18 S18 TO48	USN2N682 2N686 2N1844B	S18 S18 S18	2N683/C35A 2N1843 16RCF10A	▼	S18 TO48 S18	JAN2N684M 2N1843B C35A	▼ S18 S18
1669082	A34b	12	1N1223 1N2268 1N3108 320KX	▼	D01 D04 S82	1N2030 1N2269 W61 767246A	S4b S35 A84 #	1N2222A 1N2406 TM84 2016730-1	▼	D04 C8 A84	1N2223A 1N2416 RA132MA	▼ A34
1679527	A53	12	1N364A 1N2880 1N3081	▼	DO2	1N2357 1N2881 1N3196	D01 A50	1N2878 1N2884 SA1776	▼		1N2879 1N2885 2268525	▼ A41
1687283	A21	12	1N316 1N2013 SG654	▼	A53	1N482TH 1N3072 DR881	A54	1N846 TM3 HD2046	▼	A21	1N879 TJ5A 1485544-1	▼ A1
1776085	A1	11	1N350 1N461M ED2834	▼	C1b	1N457 1N890 HD6001	A21 A21 A21	1N457M PD125 7434802	▼	A2 A2 A22	1N461 FD326	▼ A21 A22
1777516	C1	13	1N469A 1N1485 SV1007	▼	C1 A31	1N474A6.2V 1Z5.8T5 CD3123	C1 D03 A23	1N706A WSTR7 PS6469A	▼	D07 C1	1N709A SV124	▼ D07
1778936	A1	12	1N552 1N649TH DI650	▼	DO4 A54 A38b	1N646TH DI645 167384	A54 A38b ▼ A1	1N647TH DI648 620447	▼	A54 A38b	1N648TH DI649	▼ A54 A38b

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1787558-1	A1	12	1N317A 1N600 2JC4261H02	▼ DO2 DO1	1N340 1N858 HD6349	▼ #	DO4 A21	1N360A 1N869	DO2	1N530 1N3754	DO2 TO1			
1847299	#		see TD6S2C1A1											
1847301	#		see SV6033											
1856963	#		see 1N485											
1856973	#		see 1002390											
1876822	□	S11a	13	1N2041A 1004917	▼ #	PR504	S4b	SV2004	#	L221821-4	▼□ A8a			
1876828	□	S19a	12	1N1581 MR5	▼ ▼	DO4 DO4	1N2109 SM268	▼ #	1N2524 2003092	S35 ▼□ D04	1N2535 2042830-1	▼ S35 S26		
1877879	□		12	1N413B 1N2435 25H40	▼ ▼ ▼	S54 DO8 S21a	1N2429 25H15 25H50	▼ ▼ ▼	DO8 S21a S21a	1N2430 25H20 395B842P3R	▼ D08 S21a			
1979107-1	#		see 1N702A											
1979107-2	A1	13	1N467-3 TI650C3	▼ ▼□ C3	C1 TI650C4	▼ ▼	A1	USN1N748AM 720670-77	♦ ▼□ N12d	A1	1N1927A	▼		
1979819	□	A1	11	1N34A 1N69A 1N126	▼ ▼ ▼	A90 D07 A23a	1N34AS JAN1N69A 1N126A	▼ ▼ ▼	A21 D07 A21	1N43 1N90 JAN1N126A	A23a A21 A21	1N64 1N116 1N294	▼ D07 A21 D07	
1979821	□	C1	13	1N429 1N824 720670-31	▼ ▼ ▼□ C1	USAFA1N429 D07 752909	▼ ▼ ▼	C1 A27 A27	1N821 1N1735 8954881-6	▼ D07 A27 N44	1N822 DXX766-1000-5▼□ C1	▼ D07 911D15-3 C1		
1979827-1	S4c	13	1N2043B PR510	S4b	1N2043C SV2009	▼		1N2971B	DO4	PR509	S4b			
1979827-2	S4c	13	1N1530A SV2006	▼ #	C7	1N1601A	▼	1N2042A		PR506				
1979827-4	S4c	13	1N2049C		PR546	S4b	SV2046	#		AV8025	S11			
1979829-1	□	C7	13	1N430 1N1530A 1N3155A	▼ ▼ ▼	S20 C7 D07	1N430A 1N3154 SV3173	▼ ▼ ▼	S20 D07 A45	1N430B 1N3154A SV3176	▼ ▼ ▼	1N1530 1N3155 8954883-2	C7 D07 C7	
1979832-1	#		see SV1007											
1979832-2	□	A27	13	1M15Z10 1N1595 1N1878	▼ ▼ ▼	DO1	1N1427 1N1595A 1Z15A	▼ ▼ ▼	DO4 DO3	1N1514 1N1775 SV1020	▼ ▼ #	1N1525 1N1775A 625014-443	▼ D03 A31 A31a	
1979832-3	□	A27	13	1N1509A OAZ222 2041596	▼ ▼ ▼		1N1601A PR506	▼		1N2042A PR606	A6	1Z5.8T5 SV1006	▼ D03	
1979832-4	□	A27	13	1N1510A 202-363 1979832-5	▼ ▼ ▼□ A27	A31	1N2043B SV1009	▼		1N2971B SV1010	DO4	MZ7.5T5 SV2009	▼ D03	
1979832-5	□	A27	13	1N3017B	▼	A31a	1N3112	A6	OAZ225		SV1010	▼		
1979832-6	#		see SV1008											
1979832-8	#		see SV1018											
1979925	A34a	12	1N152	▼	1N153			1N158	▼					
1979931	□	S11a	14	1N196 SG291 CA69002A	▼ # #		1N811M CA69001	#	A2a	USN1N3064 CA69001A	#	RE7 CA69002	▼ A1	
1979945-1	□	DO3	13	1M24Z5 1Z24T5 SV2045	# ▼	DO3	1N1822A PR645 8950230-32	▼ ▼ ▼	DO4 A6 S28	USN1N2820B 1N2986B 8991179-14	♦ ▼ ▼	C5a DO4 DO3	1N3029B SV2160	A31a DO4
1980415	□	S19	12	1N347 1N1908 C202-356	▼ ▼ ▼	DO4	1N1115 1N2536 910D19-5	▼ ▼ ▼	DO4 S35 S4b	1N1538 NA11 2157095-1	▼ ▼ ▼	DO4 S4b S26	1N1582 TM11	DO4
1981296	S11a	13	1N912 SM72	▼ ▼			1N912M G129	A2a A1	1N913 110568	▼		1N913M	A2a	
1987376	#		see C26-861											
1991453	□	A8a	12	1N588 1N2375 P69867	▼ ▼ #	A8a	1N589 1N2504	▼ #	A8a A6	1N590 1N3283	▼	DO7	1N1410 SL588	
1999131	□	DO4	13	1N1482 1N2041B PR505 1028880	▼ ▼ ▼ #	S4b	1N1600 ZK4.7 766-1001-3	▼ ▼ ▼	S19 S19	1N1600A 10Z5.1T5 SV2005	▼		1N2041 202-376 720670-14	DO4 S19a S11a
2002993	□	S11a	12	Multiple-Unit Device 1N1125 1N1128 USN1N3649M 1020174	▼ ▼ ▼ #	DO4	1N1126 1N1128A TD6F4B1A1	▼ ▼ #	DO4	1N1126A 1N1586 TM37	▼	DO4 DO4	USN1N1126AM 1N1587 CK848	DO4 DO4
2003092	□	DO4	12	1N1581 MR5	▼ ▼	DO4	1N2109 1020307	▼ #		1N2524 1876828	▼	S35 S19a	1N2535 2042830-1	S35 S26

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2003175	□	C1	13	1/4M10Z5 1N1313A8V TI653C9	▼ ▼ ▼/□	A22a C1 C3 1020827	1N225 GZ7A #	C1 SV9 2031189 ▼/□	1N225A SV128 8991178-10	C1 DO7 A23	
2003238	□	C1	13	1N469 1N706 1N1929	▼ ▼ ▼	D07	1N469A 1N706A 1N1956	C1 D07	1N474 1N708 1020828	C1 A21 #	
2006371	#			see SV168							
2012555	#			see M04551							
2012548	#			see HD6161							
2015993	□	S26	12	1N1196 1N2278	S29 DO4	1N1198 4JA25DX1	#	S29	1N2276 1086042	DO4	1N2277 40212
C2016286-1	#			see SG1007							
2016286-2	A1	12	1N443 1N604A 1N649TH PS596	▼ ▼ ▼ #	DO3 DO1 A54 S659	1N444 1N605A 1N947 SLA444 PS674	▼ ▼ #	DO3 DO1 A69	1N445 1N606A SLA444 W486 HR10262	DO1 A54	
2016286-3	A1	12	1N444 1N606 1N1256 HR10263	▼ ▼ ▼ #	DO3 DO1 A53 HR10317	1N535 1N606A 1N1257 ▼	▼ DO1 A53 ▼	DO2 DO1 A31	1N605 USAF1N649 SG139 2016492-1	DO1 A1 W488	
2016337-1	A47	12	1N551 1N1254 PS140	▼ ▼ ▼	DO4 A53 A47	1N553 1N1255 PT520	▼ ▼ ▼	DO4 A53	1N1169 1N1693 FS871	A34b DO3 #	
2016490-2	A31	13	1N1741 1N2993B W1786A AV8043	▼ ▼ # S11	A30 DO4 A31a S10	1N1741A 1N3035B AV4042	▼ ▼ S11	A30 A31a S10	1N2827B E5T50A43 AV4043	C5a A78 S11	
C2016490-7	#			see W1787A							
2016492-1	A31	12	1N535 USAF1N649 WX58152	▼ ▼ #	DO2 A1	1N548 1N689	▼	A1	1N562 1N1257	DO4 A53	1N606A IN2505
2016728-6	S4c	13	USN1N2845B W1814	♦ #	C5a	1N3014B AV8170		D04 S11	MZ175BB AV8175	D04 S11	50M175Z5
2016730-1	A84	12	1N1225B 1N2406 1N3251		A34a C8 A21b	1N2222A 1N2407 W61		D04 A84	1N2223A C8 TM84	S35 C9 #	1N2398 1N2424 RA132MA
2016730-2	A84	12	1N1118 1N3191 TM51	▼ ▼ ▼	DO4 A31a 2016730-1	1N1415 TM41 2016730-1	▼ ▼ ▼	A84	1N1566A W41 2042174-4	C14 # N2	USN1N3190 TM44
2017289-1	C1	13	1N765A V10-1A		D07 C31	1N1314A10.5V	▼	C1 C31	WZA10A	#	V10-1
2017328-1	S20	13	1N430 1N1530A SV3334	▼ ▼ ▼	S20 C7 A45	1N430A W430A 1979829-1	▼ # ▼/□	S20 A45 C7	1N430B SV3173 89354883-2	S20 A45 C7	1N1530 SV3176 8954881-9
2019269-1	#			see 1N1355							
2019269-2	#			see 1N1366							
2019269-3	#			see 1N1367							
2019269-4	□	S11	13	1N1808 PR513	DO4 S4b	1N2044C ZK9.1		S19	S9.1Z	S70	10Z9.1T5
2019599-1	#			see SV1004							
2019599-2	#			see SV1005							
2019599-3	#			see SV1006							
2019599-4	#			see SV1007							
2019599-5	#			see SV1008							
2019599-6	#			see SV1009							
2019599-7	#			see SV1011							
2019599-8	#			see SV1012							
2019599-9	#			see SV1015							
2019599-11	#			see SV1017							
2019599-12	□	A25	13	1N1354A 322-1167P10 615010-13	▼ ▼/□ ▼/□	A31 PR518 2157086-5	1N1816A PR618 8991179-8	S4b DO4	USN1N2811B PR618 8991179-8	C5a A6	1N3023B SV1018
2019599-15	#			see SV1025							
2019599-16	#			see SV1033							
2019600-1	□	A1	13	1N1928A SV121 HZ8122	▼ ▼ ▼	D07	1N2041A SV191 L221821-4	A1 A8a	1N2973B PR504	D04 S4b	1N2975 SV1004
2019600-2	#			see SV122							
2019600-3	#			see SV123							
2019600-4	#			see SV128							
2019600-5	#			see SV129							

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2019600-6 #			see SV131										
2019600-8 □	A1	13	1/4M10Z5 1N961B SV133	▼ D07 D07	1N701 1N1523A SV1015	▼ ▼	D03	1N758A 1N3518 A99250-119	▼ ▼ ▼	A1 D07 A38d	USN1N758A E84	▼♦ A1 A1	
2019600-9 #			see SV135										
2019600-10 #			see SV136										
2019600-11 #			see SV138										
2019600-12 #			see SV141										
2019600-13 #			see SV142										
2019600-14 □	A1	13	1N721A 1N3525 615010-22	▼ D07 ▼□	1N968B SV144 925251-6	▼ ▼ ▼	D07 D07 D014	USN1N968B CVC6014-22	▼♦ ▼□	D07 A1	1N3027B CE93903	▼ ▼	
2019600-15 □	A1	13	1/4M24Z5 1N3527 911D20-3	▼ D07 ▼	1N970B GLZ24BDA A1 SV1034	▼ ▼ ▼	D07 D07	USN1N970B MZ24T5 967516-501-7	♦ ▼ ▼	D07 N48	1N3029B SV169 2031181	▼ ▼ ▼	
2019600-16 #			see SV124										
2019600-17 □	A1	13	1/4M7.5Z5 1N3017B SV127	▼ ▼ ▼	A21 A31a D07	1N755A 1N3515 DXX766-1000-7	▼ D07 ▼	A1 D07 D07	USN1N755A FZ7.5T5 SV1010	▼♦ A21c ▼	1N958B QZ7.5T5 1979832-5	DO7 A21c ▼	
2019611-1 □	C1	13	1N228-2 1N1316A15V SV138	▼ ▼ ▼	C1 C1 2031180	▼ ▼ ▼	D07	1N965B 1N3522 2031401	▼ D07 ▼	D07 D07 A25	USN1N965B QZ15T5	▼♦ DO7 A21c	
2019613-1 #			see 1N705										
2019613-2 #			see 1N706										
2019613-3 #			see 1N707										
2019613-4 #			see 1N702										
2019613-5 □	A1	13	1N470A 911D18-3 SV3171	▼ ▼ ▼	C1 A1 A45	1N707A SV1009 1979832-4	# ▼ ▼	A27	1N763A CD3124	D07 A23	SV126 SV3170	▼□ ▼	
C2019620-1 □	A1	12	1N441 SLA441B A15751-1	DO3 A69 ▼	1N441B 911D4-3 A1 1286572-1	▼ ▼ ▼	D03 A1 A1	SA201 MQ4564 C2019620-2	▼ # ▼	A62 A1	SLA441 HD6062 C2019620-3	A69 ▼□ ▼	
C2019620-2 □	A1	12	1N441 SLA441B A15751-1	A69 ▼	1N441B 911D4-3 A1 1286572-1	▼ ▼ ▼	D03 A1	SA201 MQ4563 C2019620-1	▼ # ▼	A62 A1	SLA441 HD6062 C2019620-3	A69 ▼□ A21	
C2019620-3 □	A1	12	1N441 SLA441B A15751-1	DO3 A69 ▼	1N441B 911D4-3 A1 1286572-1	▼ ▼ ▼	D03 A1	SA201 MQ4546 C2019620-1	▼ # ▼	A62 A1	SLA441 HD6062 C2019620-2	A69 ▼□ A21	
C2019621-1 □	A25	13	1N1357A 1N1526A 1N3026B 8950229-13	▼ DO4 DO3 A31a	1N1419 1N1607A 322-1167P13	▼ DO4 DO4 ▼	A31	1N1428 1N1819A PR623	▼ D04 A6	D04 A6	1N1515A 1N2982B SV1023	▼ ▼ ▼	
2019622-1 #			see 1N756A										
2019622-1 #			see GZ7A										
2028462	A3c	12	1N442B 1N540 1N2069 SIE62012	▼ DO1 ▼ #	DO3 1N1488 A3c IN2070	▼ ▼ ▼	D03 D03 A3c	1N538 1N1489 1N2611	▼ ▼ ▼	D01 D03 A31a	1N539 1N1490 1N2612	▼ ▼ ▼	
2028467-1 □	A49b	13	SV4010A	▼	A45	SIE62004	#	102659A	▼	A28			
2028467-2 □	A49b	13	IN669 1N1781A 575R743H13 8991178-22	▼ ▼ ▼ ▼	A31 A27 A23	IN1430 IN1937A SV4027A	▼ ▼ ▼	A45	IN1517A IN3030B SIE62004	▼ ▼ #	DO13	IN1528A 2SI-10M27Z1 2243275	DO3 DO4 DO7
2028467-3 □	A49b	13	1N977B 1N3534 AV4047 AV8048	DO7 DO7 S10 S11	DO7 W1787A SV4047A SIE62004	▼♦ ▼ # #	D07	1N1884A AV2047 AV4048 632704-113	▼ A19 S10 ▼	A19	IN3036B AV2048 AV8047	▼ A19 S11	
2028467-4 #			see SV3145A										
2028538 #			see SV1007										
2029164 □	S29	12	1N249B 1N1434 1N2156 1616993-1	▼ DO5 ▼ ▼	DO5 1N1455 IN2458 S29	USA1N249B	▼♦	D05	1N1185 1N2154 IN3659	▼ D05 M38a	USAF1N1185 1N2155 1N3660	▼ DO5 M38a	
2030318 □	A1	13	1N668 1N1516A SV24 HZ8156	▼ ▼ ▼ ▼	DO7 1N1527A SV168 P69867	▼ ▼ #	D07 D03 D07	USN1N969B 1N1880A DXX766-1000-4 1014875	▼♦ ▼ ▼ #	D07 D07 D07	1N970B 1N3526 SV1033	▼ ▼ ▼	
2030930 #			see 1N23EMR										

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NAVY STOCK TYPE TO BE REPLACED			DIRECT REPLACEMENT									
TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.		
2030934	□	S11a	12	1N1115	▼	DO4	1N1218A	DO1	1N1218B	A34a	1N1538	▼
Multiple-Unit Device			1N1908	▼	A86	1N2702	S25	1N2725	TD4C1C2A1	DO4	1N2750	#
			TD6S2C1A1	▼		WP6053B	P69867	#	S19a	1020128	#	
			7434819P-1	▼	S4a	7434819P-2	S4a					
2030939	□	S19a	12	1N1058	S67	1N1064	S66a	1N1070	S83a	1N1341A	▼	
Multiple-Unit Device			1N1612	DO4	1N2147	S35	1N2228	DO4	TD4C1C2A1	DO4		
			1020134B	#	2031057	▼□	2031154	▼□	S19a	2031751	▼	
2030957	□	S11a	12	1N1347	S26	1N1347A	D04	1N1348	S26	1N1615	▼	
Multiple-Unit Device			1N2234	DO4	1N2234A	D04	1N2235	S35	1N2235A	S35		
			TD6F3C1A1	#	6F50	▼	D04	508C581H31	P69867	#		
2031030	□	S11a	12	1N1126	DO4	1N1126A	DO4	USN1N1126AM	D04	1N1127	DO4	
Multiple-Unit Device			1N1128	DO4	1N1128A	DO4	1N1585	DO4	1N1587	▼		
			TD6F5B1A1	#	TM47	▼	D04	1020252	#			
2031031	□	S11a	12	1N1117	DO4	1N1118	D04	1N1223	DO1	1N1224	▼	
Multiple-Unit Device			1N1233	S25	1N1542	D04	1N1566A	C14	1N1910	A86		
			1N1911	A86	4JA411DB2AD1▼	▼	4JA411DX155	▼	TD6F3A1A1	#		
			307H	DO1	426-10001	▼	S4b	1020253	#			
2031057	□	S19a	12	1N1058	S67	1N1064	S66a	1N1070	S83a	1N1341A	▼	
Multiple-Unit Device			1N1612	DO4	1N2147	S35	1N2228	DO4	TD4S119	#		
			1020301	#	2030939	▼□	2031154	▼□	S19a	2031751	▼	
2031120	□	A25	13	1N1372	DO4	1N1372A	D04	1N1834	S19a	1N1834A	▼	
			1N1834C	D04	1N3002A	DO4	1N3002B	DO4	SV5033	DO4		
			AV8068	S11	AV8071	S11	AV8072	S11	1020546	#		
2031121	□	A25	13	1N2043A		202-447	S19a	PR508	S4b	998A562G21	▼	
			SV1008	▼		1020547	#					
2031154	□	S19a	12	1N1076	S68	1N1199	S27	USAF1N1199	S27	1N1199A	DO4	
Multiple-Unit Device			1N1199B		1N1200	S27	1N2576	S35	1N2587	S35		
			TD12R1C2A1	#	C35F	▼	508C540H22	▼	1020608	#		
2031177	□	A1	13	1N763	DO7	1N1510	DO3	1N1521	DO3	1N1930		
			1N2034	DO12	SV126	▼□	203-363	A31	911D12-3	A1		
			911D18-3	A1	SV1009	▼	615010-28	▼□	1020638	#		
			1979832-4	▼□	A27							
2031178	□	A1	13	USN1N750A	▼♦	A1	USN1N751AM	A1	1N761	DO7	1N1519A	▼
			1N1589A	▼		1N1928	A31	KZ4.8	E48	L221821-1	A8a	
			SV122	▼		SV1005	▼	HZ8149				
			925251-13	▼□	A1	1020639	#					
2031179	□	A1	13	GLZ14BBA	DO7	LPZ14BBA	A31a	FZ14T5	A21c	SV137	DO7	
			353-2594-00	▼□	A1	SV1019	SV1087	▼	CVC6014-16	▼□		
			HZ8139	1020640	#			A1				
2031180	□	A1	13	1N718A	DO7	1N965B	DO7	USN1N965B	DO7	1N1427	▼	
			1N3522	DO7	GLZ15BDA	DO7	QZ15T5	A21c	SV138	#		
			HZ8141		1020641	#	2031401	▼□	8991178-16	A23		
2031181	□	A1	13	1N970B	DO7	USN1N970B	DO7	IN3029B	A31a	IN3527	DO7	
			GLZ24BDA	DO7	MZ24T5	▼	SV169	DO7	911D20-3	A1		
			SV1034		967516-501-7▼□	N48	1020642	#	2019600-15	▼□		
2031189	□	A1	13	1/4M10Z5	A21a	1N764	DO7	IN1511A	A8a	IN2035	DO12	
			SV9		16A-17	▼	L2211821	▼□	SV128	DO7		
			SV1011		SV1012	▼	111356C	▼	C1			
			8991178-10	▼	A23			1020649	#			
2031193	□	A1	13	1N708	A21	USN1N752A	A1	1N762	DO7	1N762A	▼	
			1N1509A	▼		1N1929	A1	SV6	DO7	SV123	A1	
			SV1006	▼		PS6469A	▼	1020653	#	8991178-6	A23	
2031194	□	C1	13	1N227	C1	1N716A	DO7	IN759A	A1	1N941A	▼	
			1N944B	DO7	USN1N944B	DO7	USN1N945B	DO7	1N1315	C1		
			6150-5	▼□	A31a	1020654	#					
2031310	□	S11a	13	1N135	DO4	1N1418	C5a	IN1606A	DO4	1N1817A	▼	
			1N2047A		USN1N2813B	▼	IN2979A	DO4	50M15Z15	T03		
			PR520		S4b	SV2020	▼	SV2149	▼□	1020953	#	
2031361	□	A84	13	1N715A	DO7	1N2045B	A6	IN2499A	DO4	IN2975B	DO4	
			PR516	S4b	PR616	SV1016	▼	SV1016	DO4	SV5020	A25	
2031401	□	A25	13	1N1355A	DO4	1N1427	A31a	IN1514A	D03	IN1525A	DO3	
			1N1775A	A31	1N3024B	▼	1Z15A	DO3	LPZ15A	A31a		
			PR620	A6	SV1020	▼	1020954A	#	2157094-2	C12		
2031751	DO4	Multiple-Unit Device	12	1N248	D05	1N1199	S27	IN2246	DO4	IN2246A	DO4	
			1N2247	S35	1N2247A	S35	IN2576	S35	IN2587	S35		
			TD6R1C1A1		1081299	#	2031154	▼□	2072233	DO7		

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2041596	A33	13	69-0902 #		203-846 ▼	A1	SV354 ▼	D07	L531-000-201 #		
2041830PC10 #			see PS160								
2041929	□ D05	12	IN250A ▼ TR302 ▼ 2531-000-048#	D05	IN250B/C ▼ 322MS080P001 □ 1616993-1 ▼	D05 S21c S29	IN2156 ▼ 322MS080P002 □ 2072019 ▼	D05 S21c S29	IN2158 ▼ TR402 ▼	D05	
2042174-1 #			see IN1569								
2042354-2 #			see PZT10A								
2042354-3 #			see PZT12A								
2042174-4	N2	12	IN1118 ▼ IN1572 # TM51 ▼	D04	IN1415 ▼ USN1N3190 ▲ 2016730-1 ▼	A31a A84	IN1566 ▼ TM41 ▼ 2016730-2 ▼	C14 A84	IN1566A ▼ TM44 ▼ L531-002-514#	C14	
2042830-1	S26	12	IN1581 ▼ IN2229 ▼ 2157095-1 ▼	D04 D04 S26	IN1582 ▼ MR5 ▼	D04 D04	IN1917 ▼ TM7 ▼	S82 D04	IN2228 ▼ SM224 ▼	D04 D04	
2059880	S28	12	IN1198A ▼ IN2468 ▼ IN2594 ▼	D05 D05 S35	IN1206A ▼ IN2582 ▼ IN2604 ▼	D04 S35 A35	IN1206B ▼ IN2583 ▼ L531-002-505#	S35	IN2278 ▼ IN2593 ▼ KS602MA #	D04 A35	
2061905	□ S28	13	IN1361A ▼ IN2988B ▼ 2124398 ▼	D04 D04 S28	IN1609A ▼ IN1421 ▼	D04	IN1823A ▼ 50M27Z5 ▼	D04 TO3	USN1N2822B ▲ 1022160 #	C5a	
2072019	□ S29	12	IN2159 ▼ IN3664 ▼	D05 M38a	IN2160 ▼ IN3665 ▼	D05 M38a	IN2785 ▼ 426-10000 ▼	D04	IN3663 ▼ 1024075A #	M38a	
2072228	□ D05	12	IN1161 ▼ IN1184 ▼ 907D099-1 ▼	M24 S29 N42	IN1162 ▼ USAFA1N1184 ▲ 907D099-2 ▼	M24 S29 N42	IN1183 ▼ TR53 ▼ 1024122 #	S29	USAF1N1183 ▼ 302B ▼	S29 S29	
2072233	□ D04	12	IN248 ▼ IN2246 ▼ IN2576 ▼	D05 D04 S35	IN248A ▼ IN2246A ▼ 10J2 ▼	D05 D04 S43	IN249 ▼ IN2247 ▼ 1024132B #	D05 S35	IN1621 ▼ IN2247A ▼	S43 S35	
L2088278-1	A25	13	IN1363A ▼ 1N2990B ▼ SV1064 #	D04 D04 615002-30	IN1783 ▼ IN3032A ▼ A9	A31 A31a	IN1825A ▼ IN3032B ▼	DO4 A31a	IN1882 ▼ F1010 ▼	A31	
L2088293-1 #			see SV128								
L2088293-2 #			see SV144								
L2088293-4 #			see SV138								
L2088293-6 #			see SV9								
L2088293-8	A1	13	IN430 ▼ IN1530A ▼ SV1011 ▼ 8954883-2 ▼	S20 C7 HZ8129 8991178-10 ▼	IN430A ▼ 16A-17 ▼ AV4020 ▼	S20 A23	IN430B ▼ SV128 ▼ L221821-9 ▼	S20 A8a	IN756A ▼ SV575 # 1979829-1 ▼	A46 C7	
L2088305-1	A45	13	IN2767 ▼ SV3415 #	A48d	IN2767A ▼ AV4020 ▼	A48d S10	IN3027B ▼ AV8020 ▼	A31a S11	AV2020 ▼	A19	
2094056	□ A84	12	IN561 ▼ 75E10 ▼ 1085430A #	D03 A3c	TK61 # CODI537	A75	75E7 ▼ CODI617 ▼	A3c A76	75E8 ▼ DI650 ▼	A3c A38b	
2124398	□ S28	13	IN1361A ▼ USN1N2822B ▲	D04 C5a	IN1421 ▼ IN2988B ▼	D04	IN1609A ▼ 50M27Z5 ▼	D04 TO3	IN1823A ▼ 2061905 ▼	D04 S28	
2157083-1	□ A34a	12	IN440B ▼ IN444B ▼	D03 D03	IN441B ▼ IN445B ▼	D03 D03	IN442B ▼	D03	IN443B ▼	DO3	
2157086-2	□ D04	13	IN1351 ▼ IN1892 ▼ IN2974A ▼ DXX766-1001-4 ▼	D04 D04 D04 S19	IN1351A ▼ IN2044D ▼ IN2498C ▼	D04	IN1604 ▼ IN2045 ▼ 10EZ10T10 ▼	D04 D04 S22	IN1604A ▼ IN2498 ▼ 10M10Z10 #	D04 S19a	
2157086-3	□ D04	13	IN1355 ▼ IN1817 ▼ IN2979A ▼ 2031310 ▼	D04 S19a D04 S11a	IN1355A ▼ IN1817A ▼ IN2979B ▼	D04 D04 D04	IN1418 ▼ IN1817C ▼ 10M15Z10 #		IN1606A ▼ IN2047A ▼ PR520 ▼	D04 S4b	
2157086-4	□ D04	13	10M10Z2 #		AV8010 ▼	S11	AV8011 ▼	S11	436938 ▼		
2157086-5	□ D04	13	IN1354A ▼ PR518	D04 S4b	IN1816A ▼		USN1N2811B ▲	C5a	1N2977B ▼	DO4	
2157094-2	□ C12	13	IN1355A ▼ IN1817A ▼ PR520	D04 S4b	IN1418 ▼ IN2047A ▼ SV2020 ▼		IN1595A ▼ USN1N2813B ▲ SV2149 ▼	D04 S4a	IN1606A ▼ 1.5M15Z5 ▼ 2031310 ▼	D04 C12 S11a	
2157095-1	□ S26	12	IN1124 ▼ NA17 ▼ CK847 ▼	D04	USN1N1124A ▼ NA27 ▼ B94327 ▼	D04	IN1582 ▼ RX106 ▼	D04 D04	IN1583 ▼ SM223 ▼	D04 D04	
2162644	#		see 203-845								
2162645	#		see 203-846								
2166807	S28	13	IN1365 ▼ 1N1827C ▼ S2E #	D04	IN1785 ▼ IN2992A ▼ 10M39Z5 ▼	A31 D04 D04	IN1827 ▼ IN2992B ▼	S19a D04	IN1827A ▼ IN3034A ▼	D04 A31a	

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TYPE No.	DWG. No.	TECH. Sect.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.	TYPE No.	DWG. No.				
2167591	✓	A21	14	1N251 1N925 PS721	▼ ▼ ▼	A46	1N625 1N926 HD6614	▼ ▼ ▼✓	A21 A46	1N625M 1N3668	A2a D07	1N626M TI251	A2a A110	
2168900	DO4	13	1N1353 1N1605A 1N2976A	▼ ▼ ▼	DO4 DO4 DO4	1N1353A 1N1893 1N2976B	▼ ▼ ▼	DO4 DO4 DO4	1N1417 1N2500 10M12Z10	S19a DO4	1N1605 1N2500C	DO4		
2170986-A	#		see HD6614											
2183182	✓	A6a	12	1N1264A 1N1671 327B	▼ ▼ ▼	M24d S14f	1N1268A 1N2055 720660-21	▼ ▼ ▼✓	M24d S8b S14f	1N1331 1N3162	S14e	1N1377 DT203BA	S14h	
2183190	✓	S26	12	1N249 1N1344 KS602BA	▼ ▼ ▼	D05 S25 DO4	1N1342 1N1613A	▼ ▼	S26 DO4 6F10	1N1342A BY402	DO4	1N1342B BY402	S35	
2222636	✓	S26	12	1N253C 1N1219A 1N2350	▼ ▼ ▼	DO4 DO1	1N1115 1N1228A 1N2536	▼ ▼ ▼	DO4 S25 S35	1N1218A 1N1538 C202-356	DO1 DO4 DO4	1N1218B 1N1908	A34a A86	
2243272-1	A1	13	1N1513A SZ712	▼ #		1N1524A SV1017	▼ ▼	DO3	LPZ12A	▼	A31a	PZP12A	A31a	
2243275	DO7	13	1/4M9.1ZC1 1N1528A 575R743H13	# ▼ ▼	DO3 A27	1N669 1N1781A SV4027A	▼ ▼ ▼	A31 A45	1M1430 1N1937A 8991178-22	▼ ▼ ▼	A23	1N1517A 2SI-10M27Z1	DO4	
2243314-1	✓	A1	13	1N2043A SV1008	▼		SV125 67198-501-5	▼	DO7 A1	SV515 2031121	▼ ▼	A25	998A562G21	DO4
2262264-2	#		see 1N2611											
2262264-3	#		see 1N2612											
2262264-5		A31a	12	1N444B 1N1095 1N2614 816B520-6	▼ ▼ ▼ ▼✓	DO3 DO3 A31a DO3	1N445B 1N1096 SD95A	▼ ▼ ▼	DO3 DO3 DO3	1N614 1N1492 152-048	▼ ▼ ▼	DO4 DO3 DO3	1N614A 1N2071 L531-002-935#	DO4 A3c
2262389-8	N37	12	1N1456 1N2159 1N3662 2072019	▼ ▼ ▼ ▼✓	M56 DO5 M38a S29	1N2135A 1N2160 1N3663	▼ ▼ ▼	S21 DO5 M38a	1N2157 1N2463 426-10000	▼ ▼ ▼✓	DO5 DO5 S4b	1N2158 1N2785 L531-003-651#	DO5 DO4	
2262458	A22a	13	1/4M12Z 1N963A L531-002-914#	▼ ▼ #	A22a DO7	1N716 USN1N963B	▼ ▼	D07 D07	1N759 1N3416		A1 P5	1N963 1.5M12Z	DO7 C14	
2262623	A62	13	1/4M8.3ZB1 USN1N938B L531-003-880#	# ▼ #	DO7	USN1N935B 1N939B PS6313A	♦ ▼ ▼	D07 D07 A99250-118	1N936B USN1N939 A99250-118	▼ ▼ ▼	D07 D07 A38d	1N938B SV131 720670-71	DO7 DO7 A46	
2262669-2	S17	12	2N1772 2N1774 C10F	▼ ▼ #	S17 S17	2N1772A 2N1774A L531-003-932#	▼ ▼ #	S17 S17	2N1773 2N1776		S17 S17	2N1773A 2N1776A	S17 S17	
2268525	✓	A41	12	USN1N561 75E10	♦ #	DO3 A3c	1N3563 75E12	▼ ▼	A50 A3c	1N3752 CEC1000	#	A38f	50E12	A3c
2350343-1			Multiple-Unit Device	12	4JA211CB1AC1▼ 4JA211CC1AC4▼		4JA211CB1AC2▼ 4JA211CC3AC1▼			4JA211CB2AC1▼			4JA211CC1AC2▼	
D2350343-2	#		see 4JA211CB2AC1											
2353315-002	TO48	12	USN2N682 USN2N685 2N1843	▼ ▼ ▼	S18 S18 TO48	2N682 2N686 2N1843B	▼ ▼ ▼	S18 S18 S18	2N682A JAN2N686M C35F	▼ ▼ ▼	S18 S18 C36F	JAN2N684M 2N687 #	S18 S18	
3000747		12	1N1150 1N2389 S5251	▼ ▼ #		1N1150A 1N2631			1N1237 1N2633			1N1238 1N2634		
4660207		13	USN1N2808B PRS8008	▼♦ #	C5a	AHPZ10	#		HPZ10	▼		50M10Z5	▼	TO3
A5462286P1	#		see 1N303											
5462286P2		11	1N303 8/6625 ED2839	▼ ▼ ▼	N46	1N433 PD129 MP3512	▼ ▼ ▼	A2 A2 A2	1N458 SG132 HD6007	▼ ▼ ▼	A21 D07 A21	1N458M FD327 D50256	A2 A22	
7434802	A22	11	1N301A 1N890 FD326	▼ ▼ ▼	A21 A22	1N350 2JC2189H03 MQ4518	▼ ▼ #	C1b A1	1N457 PD125 HD6006	▼ ▼ ▼	A21 A21 A21	1N457M 322-1068P1 624781-1	A2 C1 A21	
7434819P1	S4a	12	1N1582 CK846	▼ ▼	DO4	NA17 B94327	▼ ▼		RX106 2157095-1	▼ ▼	D04 S26	SM223 743819P2	▼ S4a	
7434819P2	S4a	12	1N1582 CK846	▼ ▼	DO4	NA17 B94327	▼ ▼		RX106 2157095-1	▼ ▼	D04 S26	SM223 7434819P1	▼ S4a	
C7731478	#		see USN1N752A											
C7731478-3	#		see SV123											
C7731478-4	#		see SV124											
C7731478-14	#		see SV137											
C7731478-17	#		see SV139											
C7731478-19	#		see SV144											
C7731478-20	#		see SV168											

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7901085-001 □	A1	12	1N599 1N3072	▼	D01	1N599A 1N3073	▼	D01 D012	1N846	A21	1N1907 ▼	A86	
7901287-001 □	A1	14	1N251 1N812M Z97106	▼	A2a	1N625 1N814 2167591	▼	A21 D07 A21	1N625M 1N3668	A2a	1N626 HD6614 ▼	A21 D07	
7901722-001	C3	13	1N748A 1N1588A 900120-86	▼	A1 A101	USN1N748AM 1N1599A 925016-5	♦	A1	1N1507A 1N3508	▼	D07	1N1518A TI650C1 ▼	D03
A8706018-5 #			see TI650C3										
A8706018-6 #			see TI651C5										
A8706018-7 #			see TI652C5										
8706018-8 □	C3	13	1N1510A SV1009 1979832-4	▼	A27	1N2043B S1010 1979832-5	▼	A27	MZ7.5T5 SV2009	▼	D03	TI653C4 967164-501-3▼	C3 A1
A8706018-9 #			see TI653C9										
A8706018-11 #			see TI653C9										
A8706018-12 #			see TI651C4										
A8706018-13 #			see TI650C										
A8706018-13 #			see TI650C0										
8935922-1 □	D014	14	1N198B Q30-750 ED2014	▼	D07	1N695 Q30-950 ED2051	▼	A22	1N760 G127 8935924-1	▼	D07	Q30-500 ED2013	
8935924-1 □	D014	14	1N198B Multiple-Unit Device	▼	D07	1N760 G127 8935922-1	▼	D014	Q30-500 ED2013			Q30-750 ED2014	
8937584-11	N12b	13	1N2041A TI651C0	▼		SV121 SV1004	▼	D07	SV191 HZ8122	▼	A1	PR504 L221821-4	S4b A8a
8938196-1	A48d	12	USAF1N570 Multiple-Unit Device		M9a	1N589 SA1734 PS1064	▼	A8a D01	1N1140 1N2890 1N2503	▼	S14c	1N1409 1N3285	D07
				#		SA1733	▼		A6				
8939921-1	D05	12	1N1456 Multiple-Unit Device		M56	1N2157 1N2463 426-10000	▼	D05 D05	1N2158 1N2785 2072019	▼	D05 D04 S29	1N2159 1N3662	D05 M38a
8950093-2 □	A1	14	1N663M 1N777 DR362 1N2801		A2 D07	1N695 1N778 S428G	▼	A21	1N695A 1N835 DR482		D07	1N699 G128 D1248	A21
A8950093-3 #			see 1N695										
A8950093-4 #			see 1N695										
8950133-1	A27	13	1N1351A 1N1743 SV810	▼	D04	1N1512 1N2036 SV1015	▼	D012	1N1512A 10M10ZR5 SV2014	▼	D04	IN1604A DXX766-1001-4▼	D04 S19
8950184-1	S19a	13	1N2048 SV918	▼	D04 S4c	1N2048B SV2024	▼		MZ19BBA 720670-65	▼	D04 C12	PR524	S4b
8950229-13	A41	13	1N1357A 1N1607A 322-1167P13	▼	D04	1N1419 1N1819A PR623	▼	D04 A6	1N1428 1N2982B	▼	D04	1N1526A IN3026B	D03 A31a
8950229-24	A41	13	1N1368A 1N2997B LPZ50BB-A	▼	D04 D04 A31a	1N1742 1N3037B	▼	A30 A31a	1N1742A E5T50A51	▼	A30 A78a	1N1830A E5T50B51	D04 A78a
8950230-32	S28	13	1N1360A 1N2986B SV2160	▼	D04 D04 D04	1N1822A 10Z24T5	▼	D04	1N2049A PR545		S4b	USN1N2820B SV2045	C5a
8954881-6	N44	13	1N429 1N824 720670-31	▼	C1 D07 C1	USAF1N429 1N1735 752909	▼	A27 A27	1N821 DXX766-1000-5▼ 1979821	▼	D07 C1 C1	1N822 911D15-3	D07 C1
8954881-9	N44	13	1N430 1N1530A 1979829-1	▼	S20 C7 C7	1N430A SV3173 8954883-2	▼	A45	1N430B SV3176	▼	S20 A45	1N1530 SV3334	C7 A45
8954881-13	N44	13	1N716A 1N963B SV135	▼	D07 D07 D07	1N759A 1N1513A 575R786H02	▼	A1 A23	USN1N759A 1N3520 615010-10	▼♦	A1 D07 A1	USN1N963B Z12	D07 C18a
8954881-20	N44	13	1N970B MZ24T5 967516-501-7	▼	D07 D07 D07	USN1N970B SV169 2019600-15	♦	D07 D07 A1	1N3029B 911D20-3 2031181	▼	A31a A1 D07	1N3527 SV1034	D07

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8954881-33	N44	13	1N983B CD3174	▼	DO7	USN1N983B 615010-35	♦	DO7 A31a	1N3042B	▼	A31a
8954883-2	C7	13	1N430 1N1530A 1N3155A	▼	S20 C7 DO7	1N430A 1N3154 SV3173	▼	S20 DO7 A45	1N430B 1N3154A SV3176	▼	S20 DO7 A45
A8954884-1 #			see 1N1351								
A8954884-2 #			see 1N1352								
A8954884-3 #			see 1N1353								
A8954884-4 #			see 1N1354								
A8954884-5 #			see 1N1355								
A8954884-7 #			see 1N1357								
A8954884-10 #			see 1N1360								
A8954884-12 #			see 1N1362								
A8954884-15 #			see 1N1365								
A8954884-16 #			see 1N1366								
A8954884-17 #			see 1N1367								
A8954884-22 #			see 1N1372								
A8954884-23 #			see 1N1373								
A8954884-24 #			see 1N1374								
A8954884-25 #			see 1N1375								
A8954884-26 #			see 1N1803								
A8954884-30 #			see 1N1807								
8954884-60	DO4	13	Observe proper polarity when using following replacements						1N1360RA	▼	DO4
Reverse Polarity Type			1N1822	S19a	1N1822A	▼	DO4	1N1822C	1N2049B		
			1N2986	DO4	1N2986B	▼	DO4	SV2045	8950230-32	▼	S28
A8991170-1 #			see 1N2620A								
A8991170-2 #			see 1N2621A								
A8991170-2 #			see 1N2164								
8991170-4	A31a	13	1N2167 1N2622 1N2624A	▼	A31a A31a	1N2620 1N2622A M159A	▼	A31a A31a #	1N2620A 1N2623 720670-34	▼	A31a A31a A31a
8991170-6	A31a	13	1N2164A SZ265	▼		1N2165A			1N2166A	▼	1N2167A
8991178-6	A23	13	1N762A E145 PS6469A	▼	DO7 A1	1N1509A SV479 PS6796	▼		1N3512 PR606 HZ8224	DO7 A6 #	FZ5.6T5 SV1006 2041596
8991178-8	A23	13	1N470A SV126 911D18-3	▼	C1 ▼ A1 A1	USN1N754A 202-363 PS6798	▼	A1 A31	1N763A SV226 HZ8226	DO7 DO7 #	1N3514 SV486 2019613-5
8991178-10	A23	13	1N430 USN1N756AM SV488 1979829-1	▼	S20 A1 ▼ C7	1N430A 1N959B 575R786H05 8954883-2	▼	S20 A23 C7	1N430B 1N1530 PS6800	S20 C7 #	1N664 1N1530A HZ8228
8991178-11	A23	13	1N225-2 1N936B USN1N939B PS6851	▼	DO7 DO7 DO7 ▼ A1	1N757A 1N938B 1N2620 HZ8229	▼	A1 DO7 A31a #	USN1N757A USN1N938B 1N2621A	DO7 DO7 A31a	USN1N935B 1N939B SV489
8991178-16	A23	13	1N718A 1N3522 SV495 2031180	▼	DO7 DO7 DO7 ▼ A1	USN1N965B GLZ15BDA PS6855 2031401	▼	DO7 DO7 DO7 ▼ A25	1N965B QZ15T5 HZ8141	DO7 A21c #	1N1427 SV138 HZ8234
8991178-22	A23	13	1JC7877H15 1N1430 1N3528 PS6862	▼	C1 DO7	1N669 1N1528A GLZ27BCA HZ8169	▼	DO3 DO7 #	1N971B 1N1781A SV512 2243275	DO7 A31 # DO7	USN1N971B 1N1937A 575R743H13
8991179-4	DO3	13	1M9.1Z5 1N3790 PR513	#	C14 S4b	1N2044C 1Z9.1T5 PR613	▼	DO3 A6	1N2973B LPZ9.1A	DO4	1N2975 10Z9.1T5
8991179-8	DO3	13	1M13Z5 1N3023B PR618	#	A31a A6	1N1354A LPZ13A 615010-13	#	A31	1N1816A 322-1167P10 2157086-5	A31 DO4	USN1N2811B PR518
A8991179-9 #			see LPZ15A								

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8991179-14	DO3	13	1M24Z5 1N3029B SV2045	# ▼ ▼	A31a	1N1822A 1Z24T5 SV2160	▼ DO4 DO3 DO4	USN1N2820B LPZ24A 1979945-1	♦ # ▼□	C5a DO3	1N2986B PR645 8950230-32	▼ A6 S28	
8991179-15	DO3	13	1M27Z5 1N1528A 1N3030B 2061905	# ▼ ▼ ▼□	DO3 DO13 S28	1N1361A 1N1609A LPZ27A 2124398	▼ ▼ # ▼□	DO4 DO4 AV2027	1N1421 1N1781A	A31 S19	1N1430 1N2988B AV4027	▼ ▼ DO4 S10	
A8991179-19 #			see 1M39Z5										
A8991179-28 #			see 1M75Z5										
A8991179-31 #			see 1M100Z5										
A8991179-34 #			see 1M120Z5										
8991179-40	DO3	13	1M200Z5 E5T50B200 AV2200 AV8200	# ▼ A19 S11	A78a	1N3015B 10M200Z5 AV4195	▼ ▼ S10	DO4 DO4 AV4200	1N3051B 10M200ZR5	A31a DO4 S10	E5T50A200 AV2195 AV8195	A78a A19 S11	
8991180-1	S11a	13	1N1601A SV2208	▼ #		1N2042A 1979827-2	▼	S4c	1OZ5.6A	#	PR506		
A32113543	A48c	12	1N365 1N878 1N1731 TM126	▼ ▼ ▼ ▼		1N365A 1N1408 1N2374 KX1139	▼ ▼ #	DO2 A53 A53 A32113543	1N561 1N1409 1N2503 KX1140	DO3 A6 A48c	1N598 1N1410 2W12A	▼ ▼ A45	
A32113544	A48f	12	1H3-2361 1N2914 1N2918			1N1142 1N2915 1N2919	▼ ▼ #	F14c A48k	1N1262 1N2916 KX1140		1N1734 1N2917	A48e	
A32113865	A21	13	1N990B AV2155		DO7 A19	USN1N990B	♦	DO7 S10	1N3049B	▼	A31a	SZ540	#
B43000065	S8b	12	1N1275 1N1296 1N3268	▼	S14c S8e S14g	1N1277 1N1297 1N3269		S14c S8e S14g	1N1286 1N1665 322F	S14g S14d S8e	1N1295 1N1666 329E	▼ #	S8e S14d

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2. GERMANIUM PNP-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$ (Mc)	DERATE in Free Air X T E M P.	ABSOLUTE MAX. RATINGS @ 25°C.				Max. I_{CBO} @ MAX V_{CB} @ 25°C. (μ A)	TYPICAL "h" PARAMETERS @ 25°C.							Cob	DESCRIPTION		
					BV CBO	ϕ BV CES	BV EBO	I_C		BIAS			COMMON Emitter					STRUCTURE	Dwg. No.	
					(VOLT)	(VOLT)	(VOLT)	(ma)		V_{CB} (VOLT)	I_E (ma)	ϕ - V_{CE} (VOLT)	ϕ - I_C (ma)	h_{fe}	h_{oe} (umho)	h_{ie} (ohm)	h_{re} ($\times 10^{-4}$)			
	2N34	150	.40	.33 ϕ J	40			100	50	6.0 ϕ	1.0 ϕ	75	30	2500	6.0	A	TO22			
	2N34A	50	.60	ϕ	25			8.0		6.0	1.0	60					A ϕ	RO32		
	2N43	240	1.30	.25#J	45	30 \pm	5.0	300	16	1.0	1.0	42	b.80	29	5.0	40				
▼	2N43A	240	1.30	.25#J	45	30 \pm	5.0	300	16	5.0	1.0	42	b.80	29	5.0	40	A ϕ	RO32		
	USAF2N43A	155	3.50	.48#S	45	25 \pm	5.0			16	1.0 ϕ	100 ϕ	30 Δ	b1.5 \pm	35	15 \pm	60 \pm	A	RO32	
	2N44	240	1.00	.25#J	45	30 \pm	5.0	300	16	5.0	1.0	25	b.90	31	4.0	40	A ϕ	RO32		
▼	2N44A	155	1.00 ϕ	.40#S	25			50	8.0	5.0	1.0	31				40				
▼	USAF2N44A	155	1.00	.40#S	25			50	8.0	5.0	1.0	31				40				
▼	2N45	150	1.00	.50#	45			15	50	10	5.0	1.0	12				A			
▼	2N49	50			35			20	5.0	5.0	1.0	40								
	2N59B	180	1.80	.33#J	50			10	200	15	100 ϕ	90 \pm				40	F	TO5		
	2N59C	180	1.80	.33#J	60			10	200	15	100 ϕ	90 \pm				40	F	TO5		
	2N60B	180	1.50	.33#J	50			10	200	15	100 ϕ	70 \pm				40	F	TO5		
	2N60C	180	1.50	.33#J	60			10	200	15	100 ϕ	70 \pm				40	F	TO5		
	2N61	180	1.00	.33#J	25			10	200	15	100 ϕ	45 \pm				40	F	TO5		
	2N61A	180	1.00	.33#J	40			10	200	15	100 ϕ	45 \pm				40	F	TO5		
	2N61B	180	1.00	.33#J	50			10	200	15	100 ϕ	45 \pm				40	F	TO5		
	2N61C	180	1.00	.33#J	60			10	200	15	100 ϕ	45 \pm				40	F	TO5		
▼	2N64	100	.80	.59#J	15 ϕ			12	10	20	6.0	1.0	45				F	OV3		
▼	2N65	125	1.00	.60#J	20			16	100	10	5.0	1.0	75			35	A			
▼	2N104	150	.70	.40 ϕ A	30			12	50	10 ϕ	6.0 ϕ	1.0 ϕ	44	23	1667	5.0	40	A	TO40	
▼	2N105	35	.75	.86*A	25				15	5.0 ϕ	4.0 ϕ	70 ϕ	55	16	2880	5.5	17	A	TO2	
▼	2N106	100	.80	.59#J	15				10		1.5	.50	45			36	F ϕ	OV4		
▼	2N109	150		.66 ϕ J	25	25		12	70	14	1.0 ϕ	5.0 ϕ	75				A ϕ	TO40		
▼	2N110	200	5.00	.30#J	50			50	40		10	1.0	3 hfb b	b	13100		.50	PC	OV2	
	2N111	130	3.00	.40#J	30			20	200		6.0	1.0	25			12	F	OV4		
	2N111A	130	3.00	.40#J	30			20	200		6.0	1.0	25			12	F			
	2N112	130	5.00	.40#J	30			20	200		6.0	1.0	30			12	F	OV4		
▼	2N112A	130	5.00	.40#J	30			20	200		6.0	1.0	30			12	F			
▼	2N113	130	10.0	.40#J	30			20	200		6.0	1.0	45			12	F	OV4		
▼	2N114	130	20.0	.40#J	30			20	200		6.0	1.0	75			12	F	OV4		
▼	2N123	150	8.00	.40#J	20	15	10	125	6.0	1.0 ϕ	10 ϕ	75	65	3000	6.0	12	A	RO32		
▼	USAF2N123	150	5.00	.40#S	20	15#	10		6.0	1.0 ϕ	10 ϕ	30 Δ \pm				25 \pm	A	RO32		
▼	2N123A	150		.40#J	20	15	10	125	6.0	1.0 ϕ	10 ϕ	75 \pm	65	3000	6.0	12	A	RO31		
▼	2N128	25	60.0*	2.4#J	10	4.5	10	5.0	15	3.0 ϕ	.50 ϕ	40	b1.5	75		5.0 \pm S \pm		TO24		
	JAN2N128	25	45.0*	2.2 ϕ S	10			10		15	3.0	.50	19 Δ	b4.0 \pm	90 \pm	5.0 \pm			TO24	
▼	2N131A	100	.80	.59#J	30 ϕ			12	100	15	6.0	1.0	45	18	1400	.43	A			
▼	2N132A	100	1.00	.59#J	20 ϕ			12	100	15	6.0	1.0	90	20	30K	.56	A			
▼	2N133A	100	.80	.59#J	20 ϕ			12	100	15	6.0	1.0	50	19	2500	.55	A			
▼	2N136	100	6.50	.60#J	20				50	5.0	5.0	1.0	40			14	A	RO31		
▼	2N138	150		.6A	20				150	20	1.0 ϕ	50 ϕ	44				A		TO22	
▼	2N139	35	13.0 ϕ	.6A	16	12	.50	15	10	9.0 ϕ	1.0 ϕ	48 ϕ		1000		9.5	A Δ	TO40		
▼	2N140	80	10.0	.6A	16	9.0	.50	15	10	9.0 ϕ	.60 ϕ	75 Δ				9.5	A Δ	TO40		
▼	2N175	20	.85	.30 ϕ J	10			10	2.0	12	4.0 ϕ	.50 ϕ	65			36	A ϕ	TO40		
▼	2N180	150	.70	.33 ϕ J	30				10	6.0	1.0	60				25	A			
▼	2N181	150	.70	.20 ϕ	30			10		6.0	1.0	60				25	A			
▼	2N187A	200	1.00	.30#J	25	25 \pm	5.0	200	16	1.0 ϕ	100	36 \pm			2000		40		RO32	
▼	2N188	100	1.20	.33#S	25			5.0	200	16	5.0	1.0	54			2600		40		RO32
▼	2N188A	200	1.20	.30#J	25	25 \pm	5.0	200	16	1.0 ϕ	100	54 \pm			2600		40		RO32	
▼	2N189	200	.80	.30#J	25			200	16	5.0	1.0	32	b1.0	29	4.0	40	A \pm	RO32		
▼	2N190	200	1.00	.30#J	25			200	16	5.0	1.0	42	b.80	29	4.0	40	A \pm	RO32		
▼	2N191	200	1.20	.30#J	25			200	16	5.0	1.0	67	b.60	29	4.0	40	A \pm	RO32		
▼	2N192	200	1.50	.20#J	25			200	16	5.0	1.0	90	b.50	29	4.0	40	A \pm	RO32		
▼	2N206	75	.78	.30#S	30			12	50	10	5.0	1.0	47	b.55	33	3.2	35	A		
▼	2N207	50	2.00	.80*J	12	12	12	20	15	5.0 ϕ	1.0	100	b.40	33			A \pm	TO23		
▼	2N207A	50	2.00	.80*J	12	12	12	20	10	5.0	1.0 ϕ	100	b.40	33			A \pm	TO23		
▼	2N207B	50	2.00	.80*J	12	12	12	20	10	5.0	1.0 ϕ	100	b.40	33			A ϕ	TO23		
▼	2N215	150	.70	.40 ϕ A	30			12	50	10 ϕ	6.0 ϕ	1.0 ϕ	44	23	1667	5.0	40	A \pm	TO44	
▼	2N217	150		.66 ϕ J	25	25	12	70	14	1.0 ϕ	50 ϕ	75				9.5	A Δ	TO44		
▼	2N218	35	13.0 ϕ	.6A	16	12	.50	15	10	9.0 ϕ	1.0 ϕ	48 ϕ		1000		9.5	A Δ	TO44		
▼	2N219	80	10.0	.6A	16	9.0	.50	15	10	9.0 ϕ	.60 ϕ	75 Δ				9.5	A Δ	TO44		
▼	2N220	20	.85	.30 ϕ J	10			10	2.0	12	4.0 ϕ	.50 ϕ	65	25	3570	944	36	A ϕ	TO1	
♦	JAN2N220	20		2.3 ϕ S	30			12	4.0	.50	.50	80	b.80 \pm	65 \pm	15 \pm 50 \pm	0		TO1		
▼	2N223	250	.60	.30*J	18 ϕ			150	20	4.5 ϕ	2.0 ϕ	110					A		TO25	
▼	2N224	250	.51	.30 ϕ J	25			150	25	.60 ϕ	100 ϕ	90 \pm	b2.0	7.5		125	A		TO25	
▼	2N225	250	.51	Pair of 2N224 with hFE matched to				150	25	.60<										

2. GERMANIUM PNP - Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$ (Mc)	DERATE in Free Air TEMP. (°C/mw)	ABSOLUTE MAX. RATINGS @ 25°C.					Max. I_{CBO} @ MAX. V_{CB} @ 25°C. (ma) (μ A)	TYPICAL "h" PARAMETERS @ 25°C.						DESCRIPTION STRUCTURE Dwg. No.	
					BV _{CBO}	BV _{CEO}	BV _{CES}	BV _{EBO}	I_C	BIAS			COMMON Emitter					
					(VOLT)	(VOLT)	(VOLT)	(VOLT)	(ma)	V_{CB} (VOLT)	I_E (ma)	β_{IC} (Δ -IB)	h_{fe}	h_{oe} (umho)	h_{ie} (ohm)	h_{re} $\times 10^{-4}$ (pf)		
▼	2N240	30	2.0#J		6.0	6.0	6.0		15	3.0Ø	3.0	.50Ø	30	b1.5	66	2.9	SD TO24	
	JAN2N240	25	25.0Ø	2.2ØS	6.0	6.0	6.0			10	.10Ø	8.0Ø	3.0			6Ø	SD TO24	
▼	2N241A	200	1.30	.25ØJ	25	25Ø	5.0	200	16	1.0Ø	100Ø	73†			4000	40	RO32	
▼	2N247	80	30.0	ØS	35		1.0	10	16	9.0Ø	1.0Ø	60				1.7	D	
▼	2N249	350	#	25				200	25	1.0	100	50				1.0	GD OV9	
▼	2N252	30	*A	16Ø	5.0				10									
▼	2N269	120	4.00Ø	.35ØA	20	.20	9.0	100	20	.30	20Ø	40				20	AA TO1	
▼	2N270	250		.24ØJ	25		12	75	16	1.0Ø	150Ø	70†				A	RO27	
▼	2N271	130	10.0	.40#J	30		20	200		6.0	1.0	45				12	F	
▼	2N271A	130	10.0	.40#J	30		20	200		6.0	1.0	45				12	F	
▼	2N274	80	30.0	.55ØA	35		.50	10	8.0Ø	12Ø	1.0	60				1.7	A TO44	
▼	USA2N274	80	30.0	.55ØA	20		1.5	10	20Ø	12Ø	1.0	60					TO44	
▼	2N279	125	.30	.40#J			30		10	12Ø	2.0Ø	.50	30				ADA RO9	
▼	2N281	165	.35	.30ØJ	16	16	10	125	10Ø	5.4Ø	10	70†					ADA RO8	
▼	2N283	125	.50	.40ØJ	32		30	10	4.5	10Ø	.50	40					AT†	
▼	2N284	125	.35	.40ØJ	32	32	10	125	10Ø	5.0Ø	10	30†△					AA	
▼	2N284A	125	.35	.40ØJ	60	60	10	125	10Ø	5.0Ø	10	30†△					AA	
▼	2N291	180		.25*A	25			200	25	.50Ø	100	45					A OV7	
▼	2N303		14.0		30	20		200	1.0			75				12		
▼	2N311	150	.50#S	15	15	6.0		60	5.0Ø	10	50†	b.50				14	AA TO5	
▼	2N315A	150	5.00	.50#S	30		20		25	.20Ø	100Ø	35	b.50					TO5
▼	2N315B	150	5.00	.50#S	30		20			2.0Ø	5.0Ø	1.0	70					14
▼	2N316	150	12.0	.50#S	20	10	20	500#	25	.20Ø	200	30†	b.50					A TO5
▼	2N316A	150	12.0	.50#S	30		20		25	.20Ø	200Ø	35†	b.50					A TO5
▼	2N317	150	20.0	.40#S	20	6.0	20	400	2.0Ø	.25Ø	400Ø	40†	b.50					12 A TO5
▼	2N317A	150	20.0	.50#S	25		20		25	.25Ø	400Ø	40†	b.50					14 A TO5
▼	2N319	225	2.00	.27#J	25	20\$	3.0	200	16	1.0Ø	20Ø	34						25 A TO5
▼	2N320	225	.25	.27#J	25	20\$	3.0	200	16	1.0Ø	20Ø	50						25 A TO5
▼	2N321	225	3.00	.27#J	25	20\$	3.0	200	16	1.0Ø	20Ø	80						25 A TO5
▼	2N322	200	3.00	.50#J	18	18\$	5.0	200	16Ø	5.0	1.0	44	30	1400	4.5	18	A TO5	
▼	2N323	200	3.50	.50#J	18	18\$	5.0	200	16Ø	5.0	1.0	70	35	1700	6.5	18	A TO5	
▼	2N324	200	4.00	.50#J	18	18\$	5.0	200	16Ø	5.0	1.0	88	40	2600	7.0	18	A TO5	
▼	2N331	200		.30ØA	30		12	200	16	6.0Ø	1.0	50	24	1530	4.7	36	A TO9	
	JAN2N331	75	.40	.80#S	30		12		10	6.0	1.0	50	b1.0Ø	50Ø				TO9
▼	2N344	20†	50.0*	1.5#J	5.0	5.0		5.0	3.0	3.0Ø	.50Ø	22	b5.0	100				6.0 SD TO24
▼	2N345	20†	50.0*	1.5#J	5.0	5.0		5.0	3.0	3.0Ø	.50Ø	66	b5.0	100				6.0 SD TO24
▼	2N346	20†	75.0*	1.5#J	5.0	5.0		5.0	3.0	3.0Ø	.50Ø	10Δ	b5.0	100				6.0 SD TO24
▼	2N359	170	3.50	.35#J	25	18\$	6.0	200	15Ø	1.0Ø	50	200†						FA TO5
▼	2N361	170	2.50	.35#J	32	30\$	6.0	200	15Ø	1.0Ø	50	50†						FA TO5
▼	2N362	170	2.00	.35#J	25	18	6.0	100	15Ø	6.0Ø	1.0	90						FA TO5
▼	2N363	170	1.50	.35#J	32	30	6.0	100	15Ø	6.0Ø	1.0	50						FA TO5
▼	2N368	150Ø	1.00	ØS	30		10	50		5.0	1.0	34						OV9
▼	2N369	150Ø	1.30	ØS	30		10	50		5.0	1.0	95						OV9
▼	2N370	80	30.0	.62ØA	20		1.5	10	20Ø	12Ø	1.0	60						D TO7
▼	2N370/33	80	30.0	1.5#J	24		.50	10	10Ø	12Ø	1.0Ø	107						3Ø D TO33
▼	2N371	80	30.0	.62ØA	20		.50	10	20Ø	12Ø	1.0	60						D TO7
▼	2N372	80	30.0	.62ØA	20		.50	10	20Ø	12Ø	1.0	60						D TO7
▼	2N373	80	30.0	.75Ø	25		.50	10	8.0Ø	12Ø	1.0	60	1.5	2200		1.6		D TO7
▼	2N374	80	30.0	.75Ø	25		.50	10	8.0	12Ø	1.0Ø	60	1.0	2600				D TO7
▼	2N381	225	3.00	.33#J	50	25\$	20	400	10Ø	5.0Ø	10Ø	60	420	300	6.6	20	AØ TO5	
▼	2N382	225	4.00	.33#J	50	25\$	20	400	10Ø	5.0Ø	10Ø	90	400	450	6.9	20	AØ TO5	
▼	2N383	225	5.00	.33#J	50	25\$	20	400	10Ø	5.0Ø	10Ø	115	380	550	7.2	20	AØ TO5	
▼	2N384	120	100	.62#A	40	40\$	.50	10	12Ø	12Ø	1.5	60	400			2.0	D TO44	
▼	JAN2N384	120	.63#S	40	20	.50	10	50	12	1.5	125						3Ø† TO44	
▼	2N384/33	120	100	#S	30	40	.50	10	50	12Ø	1.5Ø	95						TO33
▼	2N393	25*	50.0\$	2.2#J	6.0	6.0	6.0	50	5.0	3.0	.50	155						3.5 MAZ TO24
▼	JAN2N393	25*	25.0\$	.46#S	6.0	6.0	6.0	5.0	3.0	.50	40Δ							6Ø TO24
▼	2N394	150	4.00Ø	.40#J	30	10	20	200	100	1.0Ø	10Ø	70†						12 AA TO5
▼	2N394A	150	7.00	.40#S	30	15\$	20	200	6.0Ø	1.0Ø	10Ø	70†						12 A TO5
▼	2N396	200	8.00	.30#S	30	20\$	20	200	6.0Ø	1.0Ø	10Ø	90†						A TO5
▼	2N396A	200	5.00Ø	.19#J	30	20	20	200	100	1.0Ø	10Ø	90†						10 A TO5
▼	USN2N396A	200	5.00	.33#S	30	20	20	200	100	1.0Ø	10Ø	90†						20Ø TO5
▼	2N397	200	12.0	.30#S	30	15\$	20	200	6.0Ø	1.0Ø	10Ø	95†						110 12 A TO5
▼	2N398	50		*A	105	105	50		14Ø	.35Ø	5.0Ø	60						AA TO9
▼	2N398A	150	1.00	.50#J	105	105	50	50		.35Ø	5.0Ø	65†						TO5
▼	2N398B	250	1.00	.30#A	105	105Ø	75	200	6.0Ø	.25Ø	5.0Ø	20†Δ						AA TO5
▼	2N402	180	.60	.33#J	25		10	150	15	9.0	1.0	25	b.60	33	2.0	40		F TO5
▼	2N403	180	.85	.33#J	25		10	200	15	9.0	1.0	35	b.20	30	3.0	40		F TO5
▼	2N404	150	13.0	.40#A	25		12	100	20	.20Ø	24Ø	40†				12	A TO5	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
 □ — MECHANICAL AND ENVIRONMENTAL TEST.
 ♦ — PREFERRED TYPE — MIL-STD 701

2. GERMANIUM PNP-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C	$\beta_{\alpha b}$	DERATE X.	M A X.	ABSOLUTE MAX. RATINGS @ 25°C.					Max. I_{CBO} @ MAX V_{CB} @ 25°C.	TYPICAL "h" PARAMETERS @ 25°C.						DESCRIPTION STRUCTURE Dwg. No.					
						BV _{CBO}	BV _{CEO}	BV _{CES}	BV _{EBO}	I_C		V _{CB}	IE β_{IC} β_{IB}	h_{fe}	BIAS			COMMON Emitter					
						(VOLT)	(VOLT)	(VOLT)	(ma)	(μa)		(VOLT)	(ma)	$\beta-hFE$	h_{oe}	h_{ie}	h_{re}	(umho)	(ohm)	$\times 10^{-4}$	(pf)		
♦	JAN2N404	120	4.00	#S	25	25#	12	100	5.0Ø	.20Ø	24Ø	24†Δ						20Ø	A	T09			
	2N405	150	.65	.33ØA	20	18	2.5	35	14Ø	6.0Ø	1.0	35						17.2	1115	2.9	40		
	2N406	150	.65	.33ØA	20	18	2.5	35	14Ø	6.0Ø	1.0	35						17.2	1115	2.9	40		
	2N407	150	.33ØA		20	18	2.5	70	14Ø	1.0Ø	50Ø	65								A	T040		
	2N408	150	.33ØA		20	18	2.5	70	14Ø	1.0Ø	50Ø	65								A	T01		
	2N409	80	6.80	.66ØA	13		.50	15	10Ø	9.0Ø	1.0	48								9.5	A	T040	
▼	2N410	80	6.80	.66ØA	13		.50	15	10Ø	9.0Ø	1.0	48								9.5	A	T01	
	2N411	80	16.5§	.66ØA	13		.50	15	10	9.0Ø	.60	75								9.5	A	T040	
	2N413	170	2.50	.35#J	30	18	20	200	5.0Ø	6.0Ø	1.0	30	b.60		25	3.0	12	FAD		T05			
▼	2N413A	150	2.50	.40#J	30	18	20	200	2.0Ø	6.0	1.0	50	b.37		470					12		T05	
▼	2N414	170	7.00	.35#J	30	15	20	200	5.0Ø	6.0Ø	1.0	60	b.62		25	5.0	12	FAD		T05			
	2N414B	200	7.00	.30#J	30		20	400	6.0	6.0	1.0	60								12		T05	
	2N414C	200	7.00	.30#J	30		20	400	6.0	6.0	1.0	60								12		T05	
▼	2N415A	150	10.0	.40#J	30			200				80									A		
▼	2N416	170	10.0	.35#J	30	12	20	200	5.0Ø	6.0Ø	1.0	80	b.65		25	7.0	12	FAD		T05			
▼	2N417	170	20.0	.35#J	30	10	20	200	5.0Ø	6.0Ø	1.0	140	b.77		26	11	12	FA		T05			
▼	USA2N417	170	20.0	.35#J	30	10	20	200	5.0Ø	6.0Ø	1.0	140	b.77		26	11	12	FA		T05			
▼	2N422	150	.80	.40#J	35	20	12	100	15Ø	6.0Ø	1.0	50	19	2500	5.5			FAD		T05			
	USN2N422	150	1.00Δ	.40#S	35		12		20	6.0	1.0	75	b1.0		45Ø			60Ø		Ø		T05	
	2N425	170	4.00	.35#J	30	20	20	400	4.0Ø	.25Ø	1.0Δ	30†						5.5	14	FA	T05		
	2N426	170	6.00	.35#	30	18	20	400	4.0Ø	.25Ø	1.0Δ	40†							14	FA	T05		
▼	USA2N426	170	6.00	.35#	30	18	20	400	4.0Ø	.25Ø	1.0Δ	40†							14	FA	T05		
▼	2N427	170	11.0	.35#	30	15	20	400	4.0Ø	.25Ø	1.0Δ	55†							14	FA	T05		
▼	2N428	170	17.0	.35#J	30	12	20	400	4.0Ø	.25Ø	1.0Δ	80†							14	FA	T05		
▼♦	JAN2N428	133	10.0Δ	.46#S	30	12	20		25	.35Ø	10Ø	20†Δ						20Ø			T05		
	2N428A	150	12.0	.50#	30			1A	4.0Ø	.25Ø	10	100†							15	A	T05		
▼	2N450	150	10.0	.40#J	20	12	10	125	6.0Ø	5.0Ø	1.0	130	90	4000	6.5	20Ø		AA		T05			
▼	2N460	225	1.20	.33#J	45	35§	10	400	15	5.0	1.0	24	b1.0		40	3.0	50	A†		T05			
▼	2N461	225	4.00	.33#J	45	35§	10	400	15	5.0	1.0	49	b1.0		30	3.0	50	A†		T05			
	USAF2N461	200	.50Δ	.375#S	45	35§	10	10	6.0	1.0	40	b1.5		50Ø	15Ø	40Ø					T09		
▼	2N462	150	.50Δ	.30ØJ	40		40	200	35	.50Ø	200Ø	45Δ								AΔ			
▼	2N464	170	1.00	.35#J	45	40	12	100	15Ø	6.0Ø	1.0	26	17	900	3.5					FA	T05		
▼	2N465	170	1.10	.35#J	45	30	12	100	15Ø	6.0Ø	1.0	45	18	1400	4.3					FA	T05		
▼	2N466	170	1.50	.35#J	35	20	12	100	15Ø	6.0Ø	1.0	90	20	3000	6.5					FA	T05		
▼	JAN2N466M	150	.50	.50#S	35	25§	12	20	6.0	1.0	95†	b1.0		45Ø			60Ø				T05		
▼	2N467	170	2.70	.35#J	35	15	12	100	15Ø	6.0Ø	1.0	180					22	5500	6.2		FA	T05	
▼	2N484	150	10.0	.40#J	12			20	10	6.0Ø	1.0	90								12			
▼	2N499	30*	170§	1.3#J	30	18	.50	50	100	10	2.0	8.5								1.3	MA	T01	
	2N499A	60	170§	1.3#J	30		.50	50	15	9.0	1.0	50								1.3	MD†	T01	
▼	2N501	60	175§	1.3#S	15	12Ø	2.0	50	100	.50Ø	10Ø	70†								1.8	MD	T01	
	2N501/180	150	90.0§	2.5#J	15	12Ø	2.0	200	100	.50Ø	10Ø	20†							5Ø	ME	T018		
	2N501A	60	175§	1.3#J	15	12	2.0	50	25	.50Ø	10Ø	95†							1.1	MD	T01		
▼	JAN2N501A	60	1.3#S	15	12Ø	2.0		25	.50Ø	10Ø	30†Δ								3Ø		T01		
▼	2N534	25#	.70#J	50				25	15	5.0	1.0Ø	100	b.35		35					AA		T023	
	2N502	60	260§	1.0#J	20	20Ø	.50	50	20	10Ø	2.0	65							1.0	MDØ	T09		
▼	2N502A	75	260§	1.0#J	30	30Ø	.50	50	20	10Ø	2.0	65							1.0	MDØ	T09		
	2N503	25*	350§	1.6#J	20	20Ø	.50	50	100	10Ø	2.0	45							1.0	MD	T09		
	2N505	125	8.00	.50#J	40		40	250	1.0Ø	10Ø	40								10				
▼	2N506	50	.60	#	40			100	15	1.0	10	40											
	2N509	200	750	.50#J	30		2.0	40	100	10	10	50	b.10		6.0		13	2.5	D				
▼	2N518	150	11.0	.40#J	45		30	125	6.0	1.0Ø	10Ø	60	b.70				100	12	A	R032			
▼	2N520	150	3.00	.60#S	15		10		25	4.5Ø	1.0	40	b.70		30	6.0				A	T05		
▼	2N520A	150	3.00	.50#S	25		10		25	.25Ø	20Ø	100†	b.70		30	6.0	14	AΔ		T05			
▼	2N521A	150	8.00	.50#S	25		10		25	.25Ø	20	150†	b.70		30	10	14	A		T05			
▼	2N522	200	18.0	.38#S	15	8.0	10	200	2.0Ø	4.5Ø	1.0	120	b.70		30	14	12	A		T05			
▼	2N522A	150	15.0Δ	.50#S	25		10		.25	.25Ø	20Ø	200†	b.70		30	14	14	AΔ		T05			
	2N523	200	25.0	.38#S	15	6.0	10	200	2.0Ø	4.5Ø	1.0	200	b.70		30	20	12	A		T05			
▼	2N523A	150	21.0Δ	.50#S	25		10		25	.25Ø	20Ø	250†	b.70		30	20	14	AΔ		T05			
	2N524	225	2.50	.20#J	45	30§	15	500	10	5.0Ø	1.0	30	b.70		30	4.0	18	A†		T05			
	2N524A	225	5.00	.33#J	45	30	15	500	10Ø	1.0Ø	100Ø	23†Δ	b.70		31	5.5	25	A†		T05			
	2N525	225	3.00	.20#J	45	30§	15	500	10	5.0Ø	1.0	44	b.60		29	5.0	18	A†		T05			
	2N525A	225	5.50	.33#J	45	30	15	500	10Ø	1.0Ø	100Ø	30†Δ	b.65		30.5	6.0	25	A†		T05			
▼	2N526	225	3.50	.20#J	45	30§	15	500	10	5.0Ø	1.0	64	b.50		28	6.0	18	A†		T05			
	2N526A	225	3.50	.20#J	45	30§	15	500	10	5.0Ø	1.0	64	b.50		28	6.0	18	A†</td					

2. GERMANIUM PNP - Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$	DERATE M.A. T.E. M.P.	ABSOLUTE MAX. RATINGS @ 25°C.						Max. I_{CBO} @ MAX. V_{CB} @ 25°C. (μA)	TYPICAL "h" PARAMETERS @ 25°C.						DESCRIPTION STRUCTURE Cob	Dwg. No.	
					BV _{CBO}	ϕ BV _{CES}	BV _{EBO}	I_C	BIAS	COMMON Emitter										
					(VOLT)	(VOLT)	(VOLT)	(ma)	V_{CB} ϕ V _{CE}	I_E ϕ I _C	Δ -IB	h_{fe}	h_{oe} (umho)	h_{ie} (ohm)	h_{re} ($\times 10^{-4}$)	(pf)				
▼	2N533	150	4.50	.50#S	15			25	5.0Ø	1.0Δ	38	b.60	28	3.0	24		TO5			
▼	2N535	50	2.00	1.2#S	20	20	20	20	10Ø	5.0	1.0Ø	100	b.40	35	4.0		A†Δ	TO23		
▼	2N535A	50	2.00	1.2#S	20	20	20	20	10Ø	5.0	1.0Ø	100	b.40	35	4.0		AØ	TO23		
▼	2N535B	50	2.00	1.2#S	20	20	20	20	10Ø	5.0	1.0Ø	100	b.40	35	4.0		A	TO23		
▼	2N537	250	600\$	.30#J	30		1.0	100	30000	10	10	24	b.12	5.7		3.0	D	TO29	
▼	2N544	80	30.0	.86ØA	18		1.0	10	8.0Ø	12	1.0	60				1.6	D	TO7		
▼	2N559 □	150	440\$	.50\$S	15		5.0	50	3.0Ø	1.0Ø	10Ø	50	b.90						
▼	2N563	150	.80	.40#S	30		10		25	5.0Ø	1.0	25	b.70	35	2.5	30				
▼	2N565	150	1.00	.40#S	30		10		25	5.0Ø	1.0	55	b.55	30	3.5	30				
2N566	150	1.00	.50#S	30		10		25	5.0Ø	1.0	55	b.55	30	3.5	30		TO5			
2N568	150	1.50	.50#S	30		10		25	5.0Ø	1.0	100	b.40	30	4.0	30		TO5			
2N569	150	2.00	.40#S	30		10		25	5.0Ø	1.0	150	b.40	30	5.0	30					
▼	2N570	150	2.00	.50#S	30		10		25	5.0Ø	1.0	150	b.40	30	5.0	30		TO5		
▼	2N571	150	3.00	.40#S	30		10		25	5.0Ø	1.0	200	b.40	30	10	30		TO5		
▼	2N572	150	3.00	.50#S	30		10		25	5.0Ø	1.0	200	b.40	30	10	16		TO5		
2N578 □	120	5.00	ØA	20		12	400	20	.30Ø	400Ø	15†						A	TO9		
2N579 □	120	8.00	ØA	20		12	400	20	.30Ø	400Ø	30†						A	TO9		
2N580 □	120	15.0	ØA	20		12	400	20	.30Ø	400Ø	45†						A	TO9		
2N581 □	150	8.00	.40#A	18		10	100	20	.30Ø	200Ø	30†					12	A	TO5		
2N582 □	150	18.0	.40#A	25		12	100	20	.20Ø	240Ø	60†					12	A	TO5		
2N583 □	120	8.00	#A	18		10	100	20	.30Ø	200Ø	30†					12	A	TO1		
2N584 □	120	18.0	#A	25		12	100	20	.20Ø	240Ø	60†					12	A	TO1		
2N586	250		.24#A	45	25	12	250	16	.50	250Ø	55†						AΔ	RO27		
▼	2N591	50	.70	.34ØA	32	32		20	7.0Ø	12Ø	2.0	70					A	TO1		
2N591/5	50	.70	.34ØA	32				40	7.0	12Ø	2.0Ø	70					A	TO5		
2N597	250	8.00	.30#J	45	40Ø	45	500	25	1.0Ø	100Ø	70					20	AΔ	TO9		
2N598	250	8.00\$	.30#J	35	35Ø	30	500	25	1.0Ø	100Ø	125					15	AΔ	TO9	
2N599	250	16.0\$	.30#J	30	20Ø	20	500	25	1.0Ø	100Ø	175					15	AΔ	TO9	
USN2N599M □	250	10.0\$Δ	.30#S	30	20Ø	20	500	25	1.0Ø	200Ø	75Δ†					20	Ø	TO9		
2N600	750Ø	8.00\$	.10#J	35	35Ø	30	500	25	1.0Ø	100Ø	125					15	A	TO11	
2N601	750Ø	16.0\$	.10#J	30	20Ø	20	500	25	1.0Ø	100Ø	175					15	A	TO31	
2N602 □	120	20.0*	.50#S	20		1.0		25	1.0Ø	50Δ	50†	b.50	33	3.0	4.0		D	TO9		
2N602A	120			35	25	1.5		5.0Ø	1.0Ø	50Δ	50†	b.2Ø					ØΔ	TO9		
2N611	180	1.00	.33#J	25		10	200	15		100Ø	45	b	345			40	F	TO5		
2N612	180	.60	.33#J	25		10	150	25	9.0	1.0	25	b.60	33	2.0	40	F	TO5			
2N613	180	.85	.33#J	25		10	200	25	9.0	1.0	35	b.20	30	3.0	40	F	TO5			
2N617	125	7.50	.48#J	15		10	150	6.0	9.0	.50	15				7.0	A	TO5			
2N624	100	13.0	.75#J	30		10	30	10Ø	2.0Ø	20Δ					3Ø	D†	RO4			
2N631	170	3.50	.35#J	25	18\$	6.0	100	25	6.0Ø	1.0	200†					FA	TO5			
2N633	170	1.50	.35#J	32	30\$	6.0	100	25	.50Ø	50	60†					FA	TO5			
2N640	80	42.0	.75ØA	34		1.0	10	5.0Ø	12Ø	1.0Ø	60				1.6	D	TO7			
▼	2N641	80	42.0	.75ØA	34		1.0	10	7.0Ø	12Ø	1.0Ø	60				1.6	D	TO7		
2N642	80	42.0	.75ØA	34		1.0	10	7.0Ø	12Ø	1.0Ø	60				1.6	D	TO7			
2N643 □	120	30.0\$	.33ØA	30	29Ø	2.0	100	10Ø	7.0Ø	5.0Ø	45†				2.0	D	TO9		
2N644 □	120	50.0\$	.33ØA	30	29Ø	2.0	100	10Ø	7.0Ø	5.0Ø	45†				2.0	D	TO9		
2N645 □	120	75.0\$	.33ØA	30	29Ø	2.0	100	10Ø	7.0Ø	5.0Ø	45†				2.0	D	TO9		
2N649/5	100		ØA	20		2.5	50	1.0Ø	50Ø	65†						A	TO5			
2N650	200	1.50	.38#J	45	30\$	30	500	50	6.0Ø	1.0	49	b.65	31	10	A†	TO5				
2N650A	200	.75Δ	.38#C	45	30	30	500	50	6.0Ø	1.0	50	b.65	31		25Ø	A†	TO5			
USN2N650A	200	.75	.38#S	45	30\$	30	500	50	1.0Ø	10Ø	60†	b.10Ø	36Ø	8.0Ø	25Ø		TO5			
▼	2N651	200	2.00	.38#J	45	30\$	30	500	50	6.0Ø	1.0	80	b.60	34	10	A†	TO5			
2N651A	200	1.00Δ	.38#C	45	30	30	500	50	6.0Ø	1.0	85	b.60	34		25Ø	A†	TO5			
USN2N651A	200	1.00	.38#S	45	30\$	30	500	50	1.0Ø	10Ø	100†	b.90Ø	39Ø	10Ø	25Ø		TO5			
2N652	200	2.50	.38#J	45	30\$	30	500	50	6.0Ø	1.0	130	b.55	35	10	A†	TO5				
2N652A	200	1.25Δ	.38#C	45	30	30	500	50	6.0Ø	1.0	160	b.55	35		25Ø	A†	TO5			
USN2N652A	200	1.25	.38#S	45	30\$	30	500	50	1.0Ø	10Ø	165†	b.80Ø	40Ø	12Ø	25Ø		TO5			
2N653	200	1.50	.38#J	30	25	25	250	15Ø	6.0Ø	1.0Ø	49		1800	10	A†	TO5				
2N654	200	2.00	.38#J	30	25	25	250	15Ø	6.0Ø	1.0Ø	80		3100	10	A†	TO5				
2N655	200	2.50	.38#J	30	25	25	250	15Ø	6.0Ø	1.0Ø	130		5750	10	A†	TO5				
▼	2N658 □	210	5.00	.35#J	30	18	12	1A 5.0Ø	35Ø	50Ø	50†				12	FA	TO5			
2N659 □	210	10.0	.35#J	30	16	12	1A 5.0Ø	35Ø	50Ø	70†					12	FA	TO5			
2N660 □	210	15.0	.35#J	30	14	12	1A 5.0Ø	35Ø	50Ø	90†					12	FA	TO5			
2N661 □	210	20.0	.35#J	30	9.0	12	1A 5.0Ø	35Ø	50Ø	120†					12	FA	TO5			
2N662	210	8.00	.35#J	30	14	12	1A 5.0Ø	35Ø	50Ø	70†					12	FAA	TO5			
2N670	300	.65	.20#J	40	40Ø	40	2A	75Ø	1.5Ø	1AØ	100†				12	FAA	RO2			
▼	2N671	1000	.65	.06#J	40	40Ø	40	2A	75Ø	1.5Ø	1AØ	100†				12	FAA	AA TO26		
▼	2N674	300	1.50	.20#J	75	70	2A			1.5	1AØ	160†				12	FAA	RO2		
2N695 □	75	250\$	1.0#J	15	15	3.5	50	3.0Ø	30Ø	10Ø	40†				3.5	MEΔ	TO17			
▼	2N700	75	800\$	1.0#J	25	20	.20	50	2.0Ø	6.0Ø	2.0	10	b	17	1.1	ME†	TO17			

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
 □ — MECHANICAL AND ENVIRONMENTAL TEST.
 ♦ — PREFERRED TYPE — MIL-STD 701

2. GERMANIUM PNP-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$I_{\alpha b}$ (Mc)	DETERATE X. in Free Air T E M. P. (°C/mw)	ABSOLUTE MAX. RATINGS @ 25°C.						TYPICAL "h" PARAMETERS @ 25°C.						Cob	DESCRIPTION STRUCTURE Dwg. No.		
					BV _{CBO} (VOLT)	BV _{CEO} (VOLT)	BV _{CES} (VOLT)	BV _{EBO} (VOLT)	I_C (ma)	I_{CBO} (μA)	V_{CB} (VOLT)	I_E (mA)	β_{IC}	β_{IB}	h_{fe}	h_{oe} (umho)	h_{ie} (ohm)	h_{re} $\times 10^{-4}$ (pf)		
	2N700A	75	800 $\frac{1}{2}$	1.0#J	25	25	.20	100	6.0	2.0	4.0Δ								1.4ΔME↑ T017	
♦	2N705	300 $\frac{1}{2}$	300	.25#	15	3.5	50	100	.30 $\frac{1}{2}$	10 $\frac{1}{2}$	40↑								5.0 ME↑ T018	
	USN2N705 $\frac{1}{2}$	300 $\frac{1}{2}$	300	.25#	15	3.5	50	100	.30 $\frac{1}{2}$	10 $\frac{1}{2}$	40↑							5.0 ME↑ T018		
	2N705A	150	300	.50#J	15					.30	10	40							T018	
♦	2N710	300 $\frac{1}{2}$	300	.25#J	15	2.0	50	100	.50 $\frac{1}{2}$	10 $\frac{1}{2}$	40↑							5.0 ME T018		
	2N710A	150	300	.50#J	15	15 $\frac{1}{2}$	2.0	50	3.0 $\frac{1}{2}$	10 $\frac{1}{2}$	34↑							8 $\frac{1}{2}$ ME T018		
▼	2N711	300 $\frac{1}{2}$	300	.25	12	12 $\frac{1}{2}$	1.0	50	3.0	.50 $\frac{1}{2}$	10 $\frac{1}{2}$	30↑						5.0 ME T018		
	2N711A	150	150 $\frac{1}{2}$	.50#J	15	1.5	100	1.5 $\frac{1}{2}$	.50 $\frac{1}{2}$	10 $\frac{1}{2}$	25Δ							6.0 ME T018
	2N711B	150		.50#J	18 Δ	2.0	100	1.5 $\frac{1}{2}$	.50 $\frac{1}{2}$	10 $\frac{1}{2}$	30↑Δ							6.0 ME T018	
	2N779	60	480 $\frac{1}{2}$	1.3#	15			50	25	.50 $\frac{1}{2}$	10 $\frac{1}{2}$	90↑						1.9 MD T018		
	2N794	150	40.0 $\frac{1}{2}$	.40#A	13	12	1.0	100	3.0 $\frac{1}{2}$	.30 $\frac{1}{2}$	10 $\frac{1}{2}$	50↑						8.0 ME T018
	2N803	75	11.0	.80#J	30	15	20	400	4.0 $\frac{1}{2}$	.25 $\frac{1}{2}$	1.0Δ	55↑						14 FA u8	
	2N804	75	11.0	.80#J	30	15	20	400	25	.25 $\frac{1}{2}$	1.0Δ	55↑						14 FA u9		
	2N813	75	20.0	.80#J	30	10	20	200	5.0 $\frac{1}{2}$	6.0 $\frac{1}{2}$	1.0	140	b.77	26	11			12 FA u8		
	2N814	75	20.0	.80#J	30	10	20	200	5.0 $\frac{1}{2}$	6.0 $\frac{1}{2}$	1.0	140	b.77	26	11			12 FA u9		
	2N817	75	2.50Δ	.80#J	30	25	25	400	10 $\frac{1}{2}$	1.0 $\frac{1}{2}$	.50 $\frac{1}{2}$	25↑						9.0 FA u8	
	2N818	75	2.50Δ	.80#J	30	25	25	400	10 $\frac{1}{2}$	1.0 $\frac{1}{2}$	.50 $\frac{1}{2}$	25↑						9.0 FA u9	
	2N819	75	5.00Δ	.80#J	30	20	25	400	10 $\frac{1}{2}$	1.0 $\frac{1}{2}$	.50 $\frac{1}{2}$	45↑						9.0 FA u8	
	2N820	75	5.00Δ	.80#J	30	20	25	400	10 $\frac{1}{2}$	1.0 $\frac{1}{2}$	.50 $\frac{1}{2}$	45↑						9.0 FA u9	
	2N828	150	400 $\frac{1}{2}$	.50#J	15	15	2.5	200	100	.30 $\frac{1}{2}$	10 $\frac{1}{2}$	40↑						3.5 ME T018	
	2N828A	150	400 $\frac{1}{2}$	.50#J	15	2.5			3.0		10 $\frac{1}{2}$							EMA Δ T018	
	2N829	150	400 $\frac{1}{2}$	#J	15			2.5		3.0		10 $\frac{1}{2}$	80↑						EME T018	
	2N846	60	450 $\frac{1}{2}$	1.3#S	15	15 $\frac{1}{2}$	2.0	50	25	.50 $\frac{1}{2}$	50 $\frac{1}{2}$	35↑						1.9 MD T018		
	2N846A	60	450 $\frac{1}{2}$	1.3#S	15	15 $\frac{1}{2}$	2.0	100	3.0 $\frac{1}{2}$	.50 $\frac{1}{2}$	50 $\frac{1}{2}$	35↑						1.9 MD T018	
	2N846B	150	450 $\frac{1}{2}$	.50	15	15 $\frac{1}{2}$		100	25	.50 $\frac{1}{2}$	50 $\frac{1}{2}$	50 $\frac{1}{2}$						MD T018	
	2N934	150	.40#	13		1.0	200	6.0	.30 $\frac{1}{2}$	40 $\frac{1}{2}$	60							8.0 E T018		
	2N960	150	460 $\frac{1}{2}$	.50#J	15	15	2.5		3.0 $\frac{1}{2}$	30 $\frac{1}{2}$	10 $\frac{1}{2}$	40↑						2.2 EME T018	
	2N961	150	460 $\frac{1}{2}$	.50#J	12	12	2.0		3.0 $\frac{1}{2}$	30 $\frac{1}{2}$	10 $\frac{1}{2}$	40↑						2.2 EME T018	
	2N962	150	460 $\frac{1}{2}$	.50#J	12	12	1.3		3.0 $\frac{1}{2}$	30 $\frac{1}{2}$	10 $\frac{1}{2}$	40↑						2.2 EME T018	
	2N964	150	460 $\frac{1}{2}$	.50#J	15	15	2.5		3.0 $\frac{1}{2}$	30 $\frac{1}{2}$	10 $\frac{1}{2}$	70↑						2.2 EME T018	
▼	2N964A	150	460 $\frac{1}{2}$	.50#J	15	15	2.5	100	3.0 $\frac{1}{2}$	30 $\frac{1}{2}$	10 $\frac{1}{2}$	80↑						2.2 EME T018	
	2N965	150	460 $\frac{1}{2}$	.50#J	12	12	2.0		3.0 $\frac{1}{2}$	30 $\frac{1}{2}$	10 $\frac{1}{2}$	70↑						2.2 EME T018	
	2N966	150	460 $\frac{1}{2}$	.50#J	12	12	1.0		3.0 $\frac{1}{2}$	30 $\frac{1}{2}$	10 $\frac{1}{2}$	70↑						2.2 EME T018	
	2N967	150	460 $\frac{1}{2}$	.50#J	12	12 $\frac{1}{2}$	2.0		5.0 $\frac{1}{2}$	.30 $\frac{1}{2}$	10 $\frac{1}{2}$	40↑Δ						5 $\frac{1}{2}$ EME T018
	2N968	150	320 $\frac{1}{2}$	.50#J	15	15	2.5		3.0 $\frac{1}{2}$	70 $\frac{1}{2}$	25 $\frac{1}{2}$	20↑Δ						4.0 ME T018	
	2N972	150	320 $\frac{1}{2}$	.50#J	15	15	2.5		3.0 $\frac{1}{2}$	70 $\frac{1}{2}$	25 $\frac{1}{2}$	40↑Δ						4.0 ME T018	
	2N973	150	320 $\frac{1}{2}$	.50#J	12	12	2.0		3.0 $\frac{1}{2}$	70 $\frac{1}{2}$	25 $\frac{1}{2}$	40↑Δ						4.0 ME T018	
	2N974	150	320 $\frac{1}{2}$	.50#J	12	12	1.3		3.0 $\frac{1}{2}$	70 $\frac{1}{2}$	25 $\frac{1}{2}$	40↑Δ						4.0 ME T018	
	2N979	60	100 $\frac{1}{2}$ A	1.3#S	20	20 $\frac{1}{2}$	2.0	100	3.0 $\frac{1}{2}$	.50 $\frac{1}{2}$	40 $\frac{1}{2}$	50↑						1.5 MD T018	
	2N980	60	100 $\frac{1}{2}$	1.3#S	20	12	2.0	100	100	.30	10	30↑						3.0 TO18		
	2N983	60	450 $\frac{1}{2}$	1.3#S	15	15	2.0	100	3.0 $\frac{1}{2}$	.50 $\frac{1}{2}$	10 $\frac{1}{2}$	85↑						1.9 MD T018	
	2N984	60	350 $\frac{1}{2}$	1.3#S	15	10	2.0	100	5.0 $\frac{1}{2}$	.50 $\frac{1}{2}$	70 $\frac{1}{2}$						1.9 MD T018		
	2N987	86	100 $\frac{1}{2}$	.77#J	40	40 $\frac{1}{2}$	1.0	10	8.0 $\frac{1}{2}$	6.0	1.0	100	25	770	615	14	AD RO38		
	2N990	67	70.0 $\frac{1}{2}$	.77#J	20		1.0	10	8.0 $\frac{1}{2}$	6.0	1.0	150	b300	67	300	14	AD RO38		
	2N991	67	70.0 $\frac{1}{2}$	.77#J	20		1.0	10	8.0 $\frac{1}{2}$	6.0	1.0	150	25	770	615	13	AD RO38		
	2N992	67	70.0 $\frac{1}{2}$	.77#J	20		1.0	10	8.0 $\frac{1}{2}$	6.0	1.0	150	40	590	590	10	AD RO38		
	2N993	67	70.0 $\frac{1}{2}$	.77#J	25	25 $\frac{1}{2}$	1.0	10	6.0	6.0	1.0	150	1.0	4000	160	8.0 AD RO38			
▼	2N1008	167	1.00	.36#J	20			300	5.0 $\frac{1}{2}$	10 $\frac{1}{2}$	90 $\frac{1}{2}$	90	300	600	10			TO5		
	2N1008A	167	1.00	.36#J	40			300	5.0 $\frac{1}{2}$	10 $\frac{1}{2}$	90 $\frac{1}{2}$	90	300	600	10			TO5		
	2N1008B	167	1.00	.36#J	60			300	5.0 $\frac{1}{2}$	10 $\frac{1}{2}$	90 $\frac{1}{2}$	90	300	600	10			TO5		
	2N1009	150	.50	#A	25		20	800	10 $\frac{1}{2}$	10 $\frac{1}{2}$	40 $\frac{1}{2}$							A		
▼	2N1017	170	20.0	.35#S	30	10	20	400	25	.25 $\frac{1}{2}$	10 $\frac{1}{2}$	100↑						12 FAAD TO5		
	2N1018	170	25.0	.35#J	30	6.0	20	400	4.0 $\frac{1}{2}$	.25 $\frac{1}{2}$	1.0 $\frac{1}{2}$	140↑						12 FAAD TO5	
	2N1023	120	120	.62#A	40	40 $\frac{1}{2}$	.50	10	12 $\frac{1}{2}$	12 $\frac{1}{2}$	1.5	60						2.0 D TO44	
▼	2N1056	240	1.00	.25#S	75		15	100	25	75	1.0	32						40 AΔ TO33		
	2N1057	240	3.00 $\frac{1}{2}$	.25#J	45		5.0	300	16	1.0 $\frac{1}{2}$	20 $\frac{1}{2}$	58 $\frac{1}{2}$						40 AΔ TO32	
	2N1065	120	20.0 $\frac{1}{2}$	.50#S	40	20	1.0	50	1.0 $\frac{1}{2}$	.50								

2. GERMANIUM PNP - Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C Pc (mw)	f _{αb} (Mc)	DERATE in Free Air T E M. P.	ABSOLUTE MAX. RATINGS @ 25°C.				Max. I _{CBO} @ MAX V _{CB} @ 25°C. (ma) (μA)	TYPICAL "h" PARAMETERS @ 25°C.						Cob	DESCRIPTION	
					BV _{CBO}	BV _{CEO}	BV _{CES}	BV _{EBO}		BIAS		COMMON Emitter						
					(VOLT)	(VOLT)	(VOLT)	(VOLT)		V _{CB} @ V _{CE}	I _E @ IC - IB	h _{fe} †-hFE	hoe	hie	hre		STRUCTURE	Dwg. No.
♦	USN2N1142	300	1000\$.25#S	.25#S	30	15# .70	100	100	100	100	100	100	10Δ†	b100	7.5V	47	TO5	
	2N1142A	750Ø	400\$.10#J	.10#J	30	.70	100	100	100	100	100	100	15†			1.5	ME TO5	
	2N1143	300	480 .10#J	.10#J	25	.50	100	100	100	100	100	100	49	b 40	3.6	20	1.5 DØ TO5	
	2N1143A	750Ø	400 .10#J	.10#J	30	.50	100	100	100	100	100	100	15†			1.5	ME TO5	
	2N1145	140	.25*J	.25*J	16	16\$	100	100	100	100	100	100	1.0	45		40 A		
	2N1158	60	1.3#S	1.3#S	20	20Ø	.50	100	5.00	10	3.0	50				37	ME TO9	
▼	2N1171	170	10.0Δ .35#J	.35#J	30	12	20	400	5.00	.25Ø	1.0Δ	30†Δ				14	FAΔ TO5	
▼	2N1174 Ø	250	7.00 .30#J	.30#J	35	35	200	100	100	100	100	100	85	b.17	56	8.3	15 AØ TO29	
	2N1175	200	4.20 .30#J	.30#J	35	.25\$	10	200	120	5.0	1.0	80	b.45	28	5.9	26 AØ TO5		
	2N1175A	200	4.20 .30#J	.30#J	35	.25\$	10	200	120	5.0	1.0	80	b.45	28	5.9	26 AØ TO5		
	2N1176A	300	1.50 .40#J	.40#J	40	40	300	300	5.00	10	20	300	100Δ .001	A		TO5		
	2N1176B	300	1.50 .40#J	.40#J	60	60	300	300	350	5.00	10	20	300	100Δ .001	A		TO5	
	2N1177	80	140 #	#	30		1.0	10	120	120	1.00	100				2.0 D	TO45	
	2N1178	80	140 #	#	30		1.0	10	120	120	1.00	40				2.0 D	TO45	
	2N1185	200	3.00 .38#J	.38#J	45	30\$	30	500	50	6.00	1.00	260	b.50	36	10 A		TO5	
	2N1186	200	1.50 .38#J	.38#J	60	45\$	30	500	50	6.00	1.0	49	b.65	31	10 Δ		TO5	
	2N1187	200	2.00 .38#J	.38#J	60	45\$	30	500	50	6.00	1.0	80	b.60	34	10 Δ		TO5	
	2N1188	200	2.50 .38#J	.38#J	60	45\$	30	500	50	6.00	1.0	130	b.55	35	10 Δ		TO5	
▼	2N1191	200	1.50 .35#J	.35#J	40	25\$	25	200	150	6.00	1.0	40		1400		20 A†Δ	TO5	
▼	2N1192	200	2.00 .35#J	.35#J	40	25\$	25	200	150	6.00	1.0	75		2400		20 A†Δ	TO5	
	2N1193	200	2.50 .35#J	.35#J	40	25\$	25	200	150	6.00	1.0	160		5400		20 A†Δ	TO5	
	2N1194	200	3.00 .38#J	.38#J	40	25\$	25	200	150	6.00	1.0	280		8400		20 Δ†	TO5	
	2N1195 Ø	300	550\$.25#J	.25#J	30	20	1.0	50	100	100	100	40	b8.0	5.0	13	2.3 DMEØ TO29		
♦	JAN2N1195	250	.30#S	.30#S	30	20	1.0	40	100	100	100	12Δ	b 20Ø	10Ø	30Ø	1.5Ø	TO5	
▼	2N1204 Ø	200	400\$.37#S	.37#S	20	20Ø	4.0	500	7.00	1.5Ø	400Ø	30†#				5.0 ME	TO9	
▼	2N1204A Ø	200	400\$.37#S	.37#S	20	20Ø	4.0	500	7.00	5.0Ø	200Ø	45†#				5.0 ME	TO9	
▼	2N1213	75		#A	25	1.0	100	5.0	12	10						Δ		
	2N1214	75		#A	25	1.0	100	5.0	12	10						Δ		
	2N1215	75		#A	25	1.0	100	5.0	12	10						Δ		
	2N1216	75		#A	25	1.0	100	5.0	12	10						Δ		
▼	2N1224	120	30.0 .62#A	.62#A	40	40\$	.50	10	120	120	1.5	60				2.0 D	TO33
	USA2N1224	120	25.0Δ .63#S	.63#S	40	20	.50	10	50	120	1.5Ø	90				37 D†	TO5	
	2N1225	120	100 .62#A	.62#A	40	40\$	.50	10	120	120	1.5	60				2.0 D	TO33
▼♦	USA2N1225	120	50.0Δ .63#S	.63#S	40	20	.50	10	50	120	1.5Ø	90				37 D†	TO5	
▼	2N1226	120	30.0 .62#A	.62#A	60	60\$	.50	10	120	100	1.5	60				2.0 D	TO33
	2N1265/5	50	1.00 1.2#J	1.2#J	10		10	100		6.00	1.0	75				A	TO5	
▼	2N1274	150	2.00 .40#J	.40#J	25	25	10	150	140	1.00	50Ø	50†				15 AØ	TO9	
	2N1284	200	5.00 .30#J	.30#J	20		10	400	6.0	1.00	100	90†				15 D†	TO5	
	2N1285	120	100 #S	#S	40		2.5	10	120	120	1.5Ø	100Ø				37 D	TO33	
▼	2N1287A	165	1.00 .36#	.36#	20		15	300	10	5.0	10	60				ME	TO5	
	2N1300 Ø	150	40.0\$.40#A	.40#A	13	12	1.0	100	3.0Ø	.30Ø	10Ø	50				ME	TO5	
	2N1301 Ø	150	60.0\$.40#A	.40#A	13	12	4.0	100	3.0Ø	.50	40Ø	75				ME	TO5	
	2N1303 Ø	150	3.00Δ .40#S	.40#S	30		25	300	100	1.0Ø	10Ø	50†				20Ø A	TO5	
	USN2N1303	150	3.00 .40#S	.40#S	30	25#	25	300	100	1.0Ø	10Ø	20Δ†				20Ø	TO5	
	2N1305 Ø	150	5.00Δ .40#S	.40#S	30		25	300	100	1.0Ø	10Ø	70†				20Ø A	TO5	
	USN2N1305	150	5.00 .40#S	.40#S	30	20*	25	300	100	1.0Ø	10Ø	40Δ†				20Ø	TO5	
	2N1307 Ø	150	10.0Δ .40#S	.40#S	30		25	300	100	1.0Ø	10Ø	100†				20Ø A	TO5	
	USN2N1307	150	10.0 .40#S	.40#S	30	15#	25	300	100	1.0Ø	10Ø	60Δ†				20Ø	TO5	
	2N1309 Ø	150	15.0Δ .40#S	.40#S	30		25	300	100	1.0Ø	10Ø	150†				20Ø A	TO5	
▼♦	USN2N1309Ø	150	15.0Δ .40#S	.40#S	30		25	300	100	1.0Ø	10Ø	150†				20Ø A	TO5	
▼	2N1313	180	8.00Δ .35#J	.35#J	30	15	20	400		.25Ø	1.0Ø	83Δ				12 A	TO5	
	2N1316 Ø	200	10.0Δ .30#J	.30#J	30	15	20	400	25	.25Ø	1.0Δ	100†				14 A	TO5	
	2N1317 Ø	200	10.0Δ .30#J	.30#J	20	12	15	400	25	.25Ø	1.0Δ	95†				14 A	TO5	
	2N1319	120	6.00 #	#	20		20	400	6.0	.30	400	30†				20		
	2N1343	150	4.00Δ .40#J	.40#J	20	16	10	400	6.0Ø	.35Ø	50Ø	40†				12 AA	TO5	
	2N1345 Ø	150	10.0Δ .40#J	.40#J	10	8.0	6.0	400	6.0	.30Ø	400Ø	60†				14 A	TO5	
	2N1347	150	5.00Δ .40#J	.40#J	20	12	10	200	6.0Ø	1.0Ø	10Ø	80†				12 AA	TO5	
	2N1348	200	5.00 .30#	.30#	40		25	400	10	.30Ø	10Ø	95†				12 A		
	2N1349	200	10.0 .30#J	.30#J	40		25	400	10	.30Ø	10Ø	110†				12 A		
	2N1350	200	8.0 .30#J	.30#J	50		25	400	20	.30Ø	10Ø	95†				12 A		
	2N1351	200	8.00 .30#	.30#	40		25	400	10	.30Ø	10Ø	65†				12 A		
	2N1352	150	2.50Δ .40#J	.40#J	30	20	15	200	5.0	6.0	1.0	70†				18 A	TO5	
	2N1354 Ø	200	3.00Δ .30#J	.30#J	30	15	20	200	6.0Ø	1.0Ø	10Ø	70†				12 A	TO5	
	2N1355 Ø	200	5.00Δ .30#J	.30#J	30	20	20	200	6.0Ø	1.0Ø	10Ø	80†				1.0	12 A	TO5
	2N1356 Ø	200	5.00Δ .38#J	.38#J	30	20	20	200	6.0Ø	1.0Ø	10Ø	80†				1.0	12 A	TO5
	2N1357 Ø	200	10.0Δ .30#J	.30#J	30	15	10	200	6.0Ø	1.0Ø	10Ø	85†				1.0	12 A	TO5
	2N1370	150	2.00 .40#J	.40#J	25	25	10	150	140	1.0Ø	50Ø	80†				AØ	TO9	
	2N1371	150	2.00 .40#J	.40#J	45	45	10	150	140	1.0Ø	50Ø	80†				AØ	TO9	
	2N1372	250	1.50 .38#J	.38#J	25	25	15	200	7.0Ø	5.0Ø	1.0	45	b.60	30	4.0	AAØ	TO5	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
Ø — MECHANICAL AND ENVIRONMENTAL TEST.
♦ — PREFERRED TYPE — MIL-STD 701

SEE BACK COVER
for EXPLANATION of SYMBOLS NOT
COVERED in COLUMN HEADINGS

2. GERMANIUM PNP - Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$ (Mc)	DERATE in Free Air	M A X. T E M. P.	ABSOLUTE MAX. RATINGS @ 25°C.					Max. I_{CBO} @ MAX V_{CB} @ 25°C. (μA)	TYPICAL "h" PARAMETERS @ 25°C.						Cob	DESCRIPTION			
						BV _{CEO}		BV _{EBO}	I_C	BIAS			COMMON Emitter			$\times 10^{-4}$	(pf)					
						BV _{CBO}	ϕ -BV _{CES}			V_{CB}	I_E	ϕ -IC	Δ -IB	(VOLT)	(ma)	h_{FE}	$\frac{1}{f-h_{FE}}$					
▼	2N1373	250	1.50	.38#J		45	45	25	200	7.0Ø	5.0Ø	1.0		45	b.60	30	4.0	AΔØ	T05			
▼	2N1374	250	2.00	.38#J		25	25	15	200	7.0Ø	5.0Ø	1.0Ø		70	b.50	30	5.0	AΔØ	T05			
▼	2N1375	250	2.00	.38#J		45	45	25	200	7.0Ø	5.0Ø	1.0Ø		70	b.50	30	5.0	AΔØ	T05			
▼	2N1376	250	2.00	.38#J		25	25	15	200	7.0Ø	5.0Ø	1.0		95	b.50	30	5.0	AΔØ	T05			
▼	2N1377	250	2.00	.38#J		45	45	25	200	7.0Ø	5.0Ø	1.0		95	b.50	30	5.0	AΔØ	T05			
▼	2N1379	250	3.00	.38#J		25	25	15	200	7.0Ø	1.0Ø	50Ø	150†	b.40	35	6.0	AΔØ	T05				
▼	2N1382	200	2.00	.38#J		25			15	200	1.0Ø	50Ø		80				A	T05			
▼	2N1383	200	1.50	.38#J		25	25	15	200	14Ø	5.0Ø	1.0		50	b.60	30	4.0	AØ	T09			
▼	2N1384	240	35.0	.25#A		30	30	1.0	500	50	5.0Ø	200Ø	50†					D	T011			
▼	2N1385	300	400	.25#J		25			2.0	100	100	10Ø	20†					1.8	ME	T05		
▼	2N1395	120	30.0	.62#A		40	40	.50	10	12Ø	12Ø	1.5		90				2.0	D	T033		
▼	2N1396	120	100	.62#A		40	40	.50	10	12Ø	12Ø	1.5		90				2.0	D	T033		
▼	2N1397	120	120	.62ØA		40	40	.50	10	12Ø	1.5			90				2.0	D	T033		
▼	2N1404	150	4.00ØA	.40		25			20	300	5.0	.20Ø	24Ø	100†				8.0	A	T05		
▼	2N1405	75	1100*	1.0#J		30	20	.50	50	5.0Ø	6.0Ø	2.0Ø	10Δ					2.0	MEØ	T012		
▼	2N1406	75	750*	1.0#J		30	20	.50	50	5.0Ø	6.0Ø	2.0Ø	10Δ					2.0	MEØ	T012		
▼	2N1407	75	650*	1.0#J		30	20	.50	50	5.0Ø	6.0Ø	2.0Ø	10Δ					2.0	ME†	T012		
▼	2N1408	150		.50#S		50			10	25	5.0	1.0	25	b1.5				5.0	25	†	T05	
▼	2N1413	200	3.20	.30#J		35	25	10	200	12Ø	5.0	1.0		30	b.65	29	4.8	26		T05		
▼	2N1414	200	3.60	.30#J		35	25	10	200	12Ø	5.0	1.0		44	b.62	29	5.2	26		T05		
▼	2N1415	200	4.00	.30#J		35	25	10	200	12Ø	5.0	1.0		64	b.55	29	5.7	26		T05		
▼	2N1425	80	33.0	.60ØA		24			.50	10	12Ø	1.0		50				2.0	D	T07		
▼	2N1426	80	33.0	.60ØA		24			.50	10	12Ø	1.0		130				2.0	D	T07		
▼	2N1427	25*	60.0*	1.6#J		6.0	6.0Ø	6.0	50	5.0	3.0	.50	120	b1.0	55	20	3.5	ME†	T024			
▼	2N1446	200	2.00	.30#J		45	25	15	400	10Ø	1.0Ø	20Ø	35†					.30	20	AΔ	T05	
▼	2N1447	200	3.00	.30#J		45	25	15	400	10Ø	1.0Ø	20Ø	52†					.50	20	AΔ	T05	
▼	2N1448	200	4.00	.30#J		45	25	15	400	10Ø	1.0Ø	20Ø	70†					.70	20	AΔ	T05	
▼	2N1449	200	5.00	.30#J		45	25	15	400	10Ø	1.0Ø	20Ø	95†					1.1	20	AΔ	T05	
▼	2N1450	120		.50#S		30		1.0	100	100	1.0Ø	10	20†Δ					DA	T09			
▼	2N1451	200	1.50	#J		45		10	400	15	2.0Ø	20Ø	45†					T05				
▼	2N1452	200	2.20	#J		45		10	400	15	2.0Ø	20Ø	60†					18			T05	
▼	2N1471	200	5.00	.30#J		12		7.0	200	5.0	6.0Ø	1.0Ø	160†					15			T09	
▼	2N1478	250	8.00	.30#J		30	20	20	500	5.0Ø	1.0Ø	100Ø	70†					5.0			T031	
▼	2N1494	400	400	.19#S		20	20	4.0	500	100	1.5Ø	400Ø	30†					5.0			T031	
▼	2N1494A	400	400	.19#S		20	20	4.0	500	100	.50Ø	200Ø	45†					5.0			u1	
▼	2N1495	250	240	.30#S		40	40	4.0	500	7.0Ø	.50Ø	200Ø	60†					4.0			T09	
▼	2N1496	500	240	.15#S		40	40	4.0	500	7.0Ø	.50Ø	200Ø	60†					4.0			T031	
▼	2N1499A	60	110	.1.3#S		20	20	2.0	100	25	.50Ø	40Ø	50†					1.5			T09	
▼	2N1500	60	175	.1.3#S		15	12	2.0	50	25	.50Ø	10Ø	70					1.5			MD	
▼	2N1500/18	60	175	.13#S		15			2.0	50	1.5	.50Ø	10Ø	70†					1.5			MD
▼	2N1515	83	70.0	.60ØJ		20			10	13Ø	6.0Ø	1.0	100					3.0			AD	
▼	2N1516	83	70.0	.60ØJ		20			10	13Ø	6.0	1.0	67†					3.0			T07	
▼	2N1517	83	70.0	.60ØJ		20	20	1.0	10	8.0Ø	6.0	1.0	150		350	43.5	140	6.0			T07	
▼	2N1517A	100	70.0	.60Ø		40	20	1.0	10	8.0Ø	6.0	1.0	150					2.5			AD	
▼	2N1524	120	33.0	.50#A		24			.50	10	16	12Ø	1.0	60				2.0			T09	
▼	2N1525	120	33.0	.50#A		24			.50	10	16	12Ø	1.0	60				2.0			T09	
▼	2N1526	80	33.0	.40#A		24			.50	10	16Ø	12Ø	1.0	130				2.0			T01	
▼	2N1527	80	33.0	.40#A		24			.50	10	16Ø	12Ø	1.0	130				2.0			T040	
▼	2N1614	240	3.00Ø	.25#J		65	40	12	300	25	1.0Ø	20Ø	32†	b.90	31	4.0	40	AΔ	RO32			
▼	2N1631	120	45.0	.50#A		34		1.0	10	16Ø	12Ø	1.0	80					2.0			T09	
▼	2N1632	120	45.0	.50#A		34		1.0	10	16Ø	12Ø	1.0	80					2.0			T09	
▼	2N1633	120	40.0	.50#A		34		1.0	10	16Ø	12Ø	1.0	75					2.0			T09	
▼	2N1634	120	40.0	.50#A		34		1.0	10	16Ø	12Ø	1.0	75					2.0			T09	
▼	2N1635	120	45.0	.50#A		34		1.0	10	16Ø	12Ø	1.0	75					2.0			T09	
▼	2N1636	120	45.0	.50#A		34		1.0	10	16Ø	12Ø	1.0	75					2.0			T09	
▼	2N1637	120	45.0	.50#A		34		1.5	10	5.0Ø	12Ø	1.0	80					2.0			T09	
▼	2N1638	120	40.0	.50#A		34		1.0	10	7.0Ø	12Ø	1.0	75					2.0			T09	
▼	2N1639	120	45.0	.50#A		34		1.0	10	7.0Ø	12Ø	1.0	75					2.0			T09	
▼	2N1646	150		#J		15	12	2.0	50	100	.40Ø	10Ø	20Δ†	b.20				ME	T018			
▼	2N1670	120	10.0	.50#S		100		1.5		7.0	.50Ø	10	15					5.0			DA	
▼	2N1673	80	5.00	.75#		35		.50	10	50Ø	9.0	1.0	100					3.0			T033	
▼	2N1678	120	25.0Ø	.50		60	60	4.0		25	5.0Ø	1.0	25		b.20			5.0			DA	
▼	2N1681	180	5.00Δ	.42#J		30	15	20	200	25	.25Ø	10Ø	75†					20			A	
▼	2N1683	150	80.0	.50#A		13	12	4.0	100	3.0Ø	.50Ø	40Ø	85†					8.0			ME	
▼	2N1705	200	4.00	.37#J		18</																

2. GERMANIUM PNP - Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$ (Mc)	M A X. T E M P. (°C/mw)	ABSOLUTE MAX. RATINGS @ 25°C.				Max. I_{CBO} @ MAX V_{CB} @ 25°C.	TYPICAL "h" PARAMETERS @ 25°C.				Cob	DESCRIPTION			
					BV CBO	BV CEO	BV CES	BV EBO		V_{CB}	I_E	$\beta - IC$	COMMON Emitter		STRUCTURE	Dwg. No.		
					(VOLT)	(VOLT)	(VOLT)	(ma)		(VOLT)	(ma)	$\beta - V_{CE}$	$\Delta - IB$	h_{fe}	$\frac{1}{f - hFE}$			
	2N1728	60	100*	.80#S	20	20#	.50	50	100	6.00	1.00	40†Δ	1.0	40	2.50	ME	TO9	
	2N1742	60	10.0	1.6	20	20#	.50	50	100	100	2.00	33†			1.5	ME	TO9	
	2N1743	60	13.0	1.6#S	20	20#	.50	50	100	100	2.00	33†			1.5	ME	TO9	
▼	2N1744	60	16.0	1.6#S	20	20#	.20	50	100	100	2.00	33†			1.5	ME	TO9	
	2N1748	60	115*	1.3#S	25	25#	1.0	50	100	6.0	1.0	45	b.13	26	1.3	ME	TO9	
	2N1748A	60	132*	1.3#S	25	25#	1.0	50	100	6.0	1.0	70	b.13	26	1.3	ME	TO9	
	2N1749	75	115*	1.0#S	40	40#	1.0	75	100	6.0	1.0	45	b.13	26	1.3	ME	TO9	
	2N1754 □	50	75.0*	1.2#A	13			100	100	500	400	50†			1.5	MD	TO9	
	2N1784	100	12.0	.75#	30		12	100	25	.350	10	40†			15	AA	u1	
	2N1785	45	50.0*	.75#S	10	100	1.0	50	100	6.00	1.00	40†Δ	2.0	40	3.5	ME	TO9	
	2N1787	45	50.0*	.75#S	15	150	.50	50	100	6.00	1.00	25†Δ	2.0	40	3.5	ME	TO9	
	2N1788	60	100*	.80#S	35	350	1.0	50	5.0	120	1.00	50†Δ	1.0	40	2.50	ME	TO9	
	2N1789	60	100*	.80#S	35	350	.50	50	7.0	120	1.00	20†Δ	1.0	40	2.50	ME	TO9	
	2N1790	60	100*	.80#S	35	350	.50	50	7.0	120	1.00	40†Δ	1.0	40	2.50	ME	TO9	
	2N1853	150		.40#J	18		2.0	100	4.2	.400	6.00	30†Δ					TO5	
	2N1854	150	40.5Δ	.40#J	18		2.0	100	4.2	.500	20	40Δ			12		TO5	
	USN2N1854	150	40.0Δ\$	.80#S	18	17\$	2.0		25	.750	1000	25Δ†					TO5
	2N1864	60	100*	.80#S	20	200	.50	50	100	6.00	1.00	10†Δ	1.0	40	3.5	ME	TO9	
	2N1865	60	200	1.3#S	20	200	.50	50	100	6.00	1.00	70	7.0	2.0K	1.2	1.8	ME	TO9
	2N1866	60	200	1.3#S	35	350	.50	50	100	120	1.00	70	7.0	2.0K	1.1	1.8	ME	TO9
	2N1867	60	200	1.3#S	35	350	.50	50	100	120	1.00	50	7.0	2.0K	1.1	1.8	ME	TO9
	2N1924	225	3.00	.28#J	60	40\$	25	500	100	5.00	1.0	44	30	1400	4.5	18	A	TO5
	2N1925	225	3.50	.28#J	60	40\$	25	500	100	5.00	1.0	64	35	2000	6.0	18	A	TO5
	2N1926	225	4.00	.28#J	60	40\$	25	500	100	5.00	1.0	80	40	2500	7.0	18	A	TO5
	2N1954	210		.35#J	60		20	1A	200	.500	200	75†					FAD	TO5
	2N1955	210		.35#J	60		20	1A	200	.500	200	125†					FAD	TO5
	2N1956	210		.35#J	60		20	1A	200	.500	200	75†					FAD	TO5
	2N1957	210		.35#J	60		20	1A	200	.500	200	75†					FAD	TO5
	2N1960	150		.50#J	15	15	2.5	200	100	.220	100	25†Δ					EA	u1
	2N1961	150		.50#J	12	12	1.0	200	100	.250	100	20†Δ					EA	u1
	2N1969 □	150	10.0Δ	.40#J	30	15	20	400	25	.250	.20Δ	125				20	A	TO5
	2N1997	250	6.00	.30#J	45		45	500	25	1.00	1000	70†				10	AA	TO5
	2N1998	250	10.0	.30#J	35		30	500	25	1.00	2000	95†				10	AA	TO5
	2N1999	250	17.0	.30#J	30		20	500	25	1.00	2000	150†				10	AA	TO5
	2N2000	300	2.00	.25#J	50		20	1A	100	.500	5000	175†				35	AA	TO5
	2N2001	300	6.00	.25#J	30		20	1A	100	.500	5000	60†Δ				35	AA	TO5
	2N2042	200	.50Δ	.38#J	105	105	75	200	25	6.00	1.00	80	b.55	40	2.5	A	TO5	
	2N2042A	200	.50Δ	.38#J	105	105	75	200	25	6.00	1.00	80	b.55	40	2.5	A	TO5	
	2N2043	200	.75Δ	.38#J	105	105	75	200	25	6.00	1.00	180	b.55	40	2.5	A	TO5	
	2N2043A	200	.75Δ	.38#J	105	105	75	200	25	6.00	1.00	180	b.55	40	2.5	A	TO5	
	2N2048□	150	250\$.50#S	20	15	2.0	100	100	.500	100	125†				1.5	ME	TO9
	2N2084	125	100\$	.52#J	40		1.0	10	8.00	6.0	1.0	100	b650	65	2.0	AD†	TO33
	USN2N2084	100	40.0Δ\$	1.0#S	40	20	1.0	10	50	6.00	1.00	125			4		TO5	
	2N2089	83	75.0*	.59#J	20	20\$	1.0	10	50	6.0	1.0	150	b300	60	300	2.5	AD†	TO7
	2N2090	83	75.0*	.59#J	20	20\$	1.0	10	50	6.0	1.0	150	b350	60	300	2.5	AD	TO7
	2N2091	83	75.0*	.59#J	20	20\$	1.0	10	50	6.0	1.0	150	40	590	590	3.5	AD	TO7
	2N2092	100	75.0*	.59#S	25	25\$	1.0	10	50	6.00	1.0	150	1.0	4000	160	4.0	AD	TO7
	2N2093	100	75.0*	.59#J	25	25\$	2.0	10	50	6.00	1.0	150	1.0	4000	160	4.0	AD	TO7
	2N2096 □	250	400*	.30#S	25		4.0	500	120	1.50	4000	40†			15	D	TO31	
	2N2097 □	250	400*	.30#S	40		4.0	500	120	1.00	2000	70†			15	D	TO31	
	2N2099	250	400\$	.30#S	25		4.0	500	120	1.50	4000	40†			15	D	TO9
	2N2100 □	250	400\$	.30#S	40		4.0	500	120	1.00	2000	70†			15	D	TO9
	2N2169 □	60	450*	1.3#S	15	150	2.0	100	3.00	.500	100	85†			1.9	MD	TO9	
	2N2170 □	60	350*	1.3#S	15	150	2.0	100	5.00	.500	100	70†			1.9	MD	TO9	
	2N2171	225	7.50	.33#J	50	25\$	20	400	100	1.00	200	190	500	850	7.5	20	A	TO5
	2N2173	250		.30#J	25		3.0	600	100	1.00	2000	30†Δ			4.5	ME	TO5	
	2N2188	125	125	.48#J	40	400	2.0	30	50	6.00	2.00	90	18	1800	1.8	1.6	ME	RO44
	2N2189	125	150	.48#J	40	400	2.0	30	50	6.00	2.00	135	18	1800	1.8	1.6	ME	RO44
	2N2190	125	125	.48#J	60	600	2.0	30	50	6.00	2.00	90	18	1800	1.8	1.6	ME	RO44
	2N2191	125	150	.48#J	60	600	2.0	30	50	6.00	2.00	135	18	1800	1.8	1.6	ME	RO44
	2N2207	200	175	.25#J	70		.50	50				200					AD	TO7
	2N2273	100	200\$Δ	.75#J	25	15	1.0	100	100	1.00	200	20†Δ			3.5	ME	TO18	
	2N2363	75	1100*	1.0#J	30	20	.50	50	5.00	6.00	2.00	10			2.0	ME	RO38	
	2N2374	250	15.0	.33#	35	350	35	500	100	12	2.00	140						
	2N2375	250	9.00	.33#	35	350	35	500	100	12	2.00	75	90	3000	8.7	14	A	TO5
	2N2400 □	150	225\$.50#S	12	7.0	1.0	100	100	.500	100	60	66	1400	5.4	14	A	TO5
	2N2401 □	150	300\$.50#S	15	10	1.5	100	100	.500	100	90				2.2	ME	TO18
	2N2428	165	1.20Δ	3.3#J	32	32\$	10	30	100	5.0	2.0	120				A	TO1	
	2N2429	165	1.20Δ	3.3#J	32	32\$	10	30	100	5.0	2.0	120				A	TO1	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
□ — MECHANICAL AND ENVIRONMENTAL TEST.
♦ — PREFERRED TYPE — MIL-STD 701

NAVWEPS 16-1-530
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2. GERMANIUM PNP - Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$ (Mc)	DERATE X. in Free Air @25°C P_c (°C/mw)	ABSOLUTE MAX. RATINGS @ 25°C.					Max. I_{CBO} @ MAX. V_{CB} @ 25°C. (μA)	TYPICAL "h" PARAMETERS @ 25°C.						Cob STRUCTURE	DESCRIPTION Dwg. No.				
					BV _{CBO} (VOLT)	BV _{CEO} (VOLT)	BV _{CES} (VOLT)	BV _{EBO} (VOLT)	I_C (mA)	BIAS			COMMON Emitter									
										V_{CB} (VOLT)	I_E (mA)	β - V_{CE} (VOLT)	h_{fe} (μ mho)	h_{ie} (ohm)	h_{re} ($\times 10^{-4}$)	h_{oe} (pf)						
	2N2431	165	.50Δ	3.00J	32	32	10	150	100	0.0	50	50†Δ					A	TO1				
	2N2447	75	1.00	.80#J	45	24	12	100	100	6.00	1.0	65	25	1800	5.0		FA	u8				
	2N2448	75	1.00	.80#J	45	24	12	100	100	6.00	1.0	65	25	1800	5.0		FA	u9				
	2N2455 □	150	820	#J	15	150	2.5	200	100	.200	2.00	52†					3.5	E	TO5			
	2N2456 □	150	1000	#J	15	150	2.5	200	100	.200	2.00	52†					3.0	E	TO18			
	2N2494	100	180	.59#J	20		.50	10	50	6.0	1.0	70					A	AD	TO7			
	2N2495	100	180	.59#J	20		.50	10	50	6.0	1.0	70					A	AD	TO33			
	2N2496	100	180	.59#J	20		.50	10	50	6.0	1.0	70					A	AD	TO38			
	2N2512	200	175	.250J	70		.50	50				200					A	AD	TO33			
	2N2614	100	10.0	.45#J	20	15	1.0	50	6.50	120	1.00	160	60	4300	14	8.0	A	TO1				
	2N2648 □	300	20.0	.25	35	25	30	2000	100	6.00	1.00	200	100	5000	22	A	A	TO5				
	2N3000	150	15.0	.40#J	45	15	35	400	50	5.0	1.0	110				10	AΔ	AΔ	TO5			
▼	SO3	20	30.△	2.0#J	5.0	5.0											S	TO24				
▼	4JD1A33	150		#J	45		20	50		5.00	1.0	10	b1.37	33	13	50	12	∅				
▼	4JD1A73	100	5.00	.50#S	6.0	2.0	5.0	50	6.0	5.0	1.0	32										
▼	CK17	80	18.0	.75#J	30	10	20	200	5.00	6.00	1.0	140	b.77	26	11	12	FA	u11				
▼	CK17A	80	18.0	.75#J	30	10	20	200	5.00	6.00	1.0	140	b.77	26	11	12	FA	u12				
▼	T-0021	50	2.00	1.2#J	25	25	20	20	100	5.0	1.0	100	b.40	33			AΔ	TO23				
▼	GT34HV	150		.167*S	50					25	5.0	1.0	10		20	4.0						
	GT34N	150		.50*S	100	10	200	450	4.50	1.0	18	b.50	40	4.0		5.0	AD	AD	TO5			
	PADT40	94	300	.180	20		2.5	50	.90	30	50								TO18			
	TR43	150	2.50	.40#J	45		5.0	400	16	1.00	200	45†				20			TO5			
	OC44	83	15.0	.600J	15		12	10	2.0	1.0	100								RO9			
	OC55	10†	800	1.5*J	7.0	3.0	7.0	5.0	1.50	.50	.25	80					A	RO19				
	CK65	80	1.00	.75#J	45	24	12	100	5.00	6.00	1.0	45		25	1800	5.0	FA†	u11				
	CK65A	80	1.00	.75#J	45	24	12	100	5.00	6.00	1.0	45		25	1800	5.0	FA†	u12				
	TR-C70	150		.36#J	16		12		6.0	1.0	30							TO5				
▼	GT74	150		.50#S	25		10		25	5.00	1.0	75	b.50	40	5.0	35	A†	TO5				
	75-200-001	120	14.0	.38#J	25	14#	12	100	5.00	200	200	40Δ†						TO9				
	GT81	150		.50#S	25		10		25	5.00	1.0	75	b.50	40	5.0	35	A	TO5				
▼	UST81	165		.36#J		25				6.0	6.0	1.0	90				A†	TO9				
	SB100	10	45.0*	*J	30	4.5			5.0	.50	3.00	.500	20	b.25	70	4.0	3.5	S	TO24			
	XT100	200	300	.38#S	35	30	4.0	500	7.00	1.50	4000	35†				1.5	DΔ	TO9				
▼	101A □	150	320	.50#J	15		5.0	100	10	3.00	500	40†							ME TO18			
▼	101B □	150	320	.50#J	15		5.0	100	10	3.00	500	40†							ME TO18			
▼	101M □	150	320	.50#J	15		5.0	100	10	3.00	500	40†							ME TO18			
▼	102B □	150	7.00	.40#J	20	20	20	400	25	.500	2000	150†				30	A	TO16				
▼	ST103	120	30.0	.62#J	40	40#	.50	10	50	120	1.5	30-100	14	1350			3	D	TO5			
▼	104B □	25†	1.6#J	6.0	6.0	5.0	50	5.0	.500	100	10†Δ					6	MA	TO24				
▼	GT109	150		.50#S	25		10	200	25	5.00	1.0	110	b.50	40	6.0		A	TO5				
▼	ST114	200	5.00	.40#J	35	20	12	100	2.00	1.00	100	75†	20	3000	.56	20	AΔ	TO5				
▼	GT122	150	2.00	.50#S	25		10		25	5.00	1.0	100	b.50	40	5.0	35	AΔ	TO5				
▼	ST122 □	150	8.00	.49#J	45	30#	25	300	6.00	.500	750	55†							TO5			
	GT123 □	150	5.00	.50#S	25	15#	15		6.00	1.00	10	90	b.70	30	6.0	15	A	TO5				
	OC123 □	300	1.50	.22#J	50		15	500	20	6.00	100	160				170	A	TO7				
▼	ST123 □	150	8.00	.40#J	45	30#	25	300	6.00	.500	5.00	90†							TO5			
▼	202-333 □	150	10.0	.40#J	30	18#	20	400	4.00	.350	100	20†Δ							TO5			
▼	202-334 □	170	3.00	.35#J	30	18	20	400	25	.350	100	10†Δ							TO5			
▼	213-3	83	70.0	.600J	20				10	13	6.0	67†							AD TO7			
	248C10863	3500	.17#J		40	300	20	150		120	250	30†							N78			
	TI302	100		.500J	30	10	50	6.00	5.00	1.00	55						A	OV9				
▼	NAA317		4.00		20				25	1.0	200	40				20			TO5			
	TR320	150	2.50	.40#J	30		5.0	200	16	1.00	200	50				2.0			TO5			
▼	352-0243-00	120	30.0	.62#J	40	40#	2.5	10	50	12	1.5	60				2.0			TO5			
	TI363	100	200	.40#J	30	30	2.0	50	3.00	6.00	.500	35†Δ	329	3460	192	2.5	ME	RO44				
	TI364	100	200	.40#J	30	30	2.0	50	5.00	6.00	.500	20†Δ	287	2870	159	2.5	ME	RO44				
	TI365	150	200	.40#J	30	30	2.0	50	5.00	9.00	1.00	30†Δ					3.3	ME	RO44			
	TR383	200	1.80	.30#J	25				10	200	25	1.00	1500	72†						TO5		
	TI385	150	200	.40#J	30	30	2.0	50	3.00	6.00	1.00	35†					2.4	ME	RO44			
	TI386	150	200	.40#J	30	30	2.0	50	3.00	6.00	1.00	35†					2.6	ME	RO44			
	TI387	150	200	.40#J	30	30	2.0	50	3.00	6.00	1.00	35†					2.4	ME	RO44			
	TI388	150	200	.40#J	30	30	2.0	50	5.00	6.00	1.00	35†					2.6	ME	RO44			
	TI389	150	200	.40#J	30	30	2.0	50	5.00	6.00	1.00	20†					2.6	ME	RO44			
	TI397	150		.40#J	35	350	2.0	50	3.00	6.00	.500	35†					2.0	ME	RO44			
	TI398	150		.40#J	35	350	2.0	50	5.00	6.00	.500	30†					2.0	ME	RO44			
	TI440	3000	3000		15		3.5	50	3.00	.300	100	25†Δ					5.0	MEA	TO50			
	TI442	3000	3000		12		1.0	50	3.00	.500	100	20†Δ					5.0	MEA	TO50			
	TR650	150	2.00	.40#J	45	25	25	400	150	6.00	1.0	40				20	A	TO5				
	TR653	150	2.00	.40#J	30	15	25	400	150	6.00	1.0	40				20	A					

2. GERMANIUM PNP-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$ (Mc)	DERATE X. in Free Air	M A T E M P.	ABSOLUTE MAX. RATINGS @ 25°C.				Max. I_{CBO} @ MAX V_{CB} @ 25°C.	TYPICAL "h" PARAMETERS @ 25°C.				DESCRIPTION			
						BV _{CBO}	ϕ -BV _{CEO}	BV _{EBO}	I_C		BIAS	COMMON Emitter			STRUCTURE	Dwg. No.		
						(VOLT)	(VOLT)	(VOLT)	(ma)		V_{CB}	I_E	ϕ -IC Δ -IB	h_{fe}	h_{oe}	h_{ie}	h_{re}	
	TR721	150	3.00 Δ	.40#J		30		10	200	20	6.0	1.0	45			20	TO5	
▼	TR722	150	2.50 Δ	.40#J		30		10	200	20	6.0	1.0	22			20	TO5	
▼	GT761	10.0			ØJ	15				1.0Ø	4.5		70			14	OV6	
▼	763-1000-1	50			.75#J	105	105	50	100	.35Ø	5.0Ø	20 \dagger Δ					A	
▼	763-1000-2	120	4.00 Δ	.35ØJ		25	24	12	100	5.0Ø	.15Ø	12Ø	30 \dagger				A	
▼	763-1000-9	120	14.0 Δ	.35ØJ		25	14	12	100	5.0Ø	.20Ø	20Ø	40 \dagger Δ				FA	
▼	763-1000-12	150	10.0 Δ	.40#J		30	12	20	400	25	.35Ø	1.0 Δ	10 \dagger Δ				TO1	
▼	763-1000-15	25*	20.0 Δ	1.6#J		15	12	2.0	50	5.0Ø	.50Ø	2.0	45Δ			5Ø	TO9	
	UST764	150	25.0	.40#J				20		1.0	6.0	1.0	200			14	MD	
▼	GT792	100	4.80	.50#S		20		10		220	5.0	1.0	100	b	.50	16	A	
▼	CK911	210	10.0	.35#J		35	35#	12	1K	5.0Ø	.35Ø	50	70			12	TO5	
	KGS1003	200	10.0	.35#S		15		1.0	400	50	6.0	1.0	90		30	14		
▼	T1073		30.0*			5.0		3.0		3.0	.10Ø	5.0Ø	14 \dagger Δ			6Ø	S	
▼	B1154	400Ø	1.50	.15		60						10Ø	60 \dagger				A	
▼	GT1249	150			.50#S	35	18	35		5.0Ø	.50Ø	1.0 Δ	25 \dagger Δ	b2.0			TO24	
▼	GT1249T09	150			.50#S	35	18	35		5.0Ø	.50Ø	1.0 Δ	25 \dagger Δ	b2.0			TO5	
▼	T1328	25*	40.0 Δ	1.6#J		15	14Ø		50	5.0Ø	3.0	5.0	8.0 Δ			60Ø	MA	
▼	GT1331	100	3.00 Δ	.60#J		20	10	20		25	1.5Ø	3.5Ø	35 \dagger			20Ø	TO24	
▼	T-1516Ø	25*		1.6#J		15	15	2.0	100	40	.50Ø	10Ø	25 \dagger Δ			5Ø	TO1	
▼	T1661	25*	25.0 Δ	1.6#S		6.0	6.0Ø	6.0	50	5.0	.50Ø	50Ø	55 \dagger			60Ø	MA	
▼	T1662Ø	25*	25.0 Δ	1.6#S		6.0	6.0Ø	6.0	50	5.0	.50Ø	50Ø	55 \dagger			6.0	TO24	
▼	SYL1690	120	7.00 Δ	.50#J		25		15	200	30	.20Ø	20Ø	110 \dagger			AΔ		
▼	SYL1697	120	4.00 Δ	.50#S		18		8.0	100	5.0	.30	1.0	30 \dagger			20	AD	
▼	A1698Ø	120		*S		100	100	40	20	2.2Ø	10	1.0	1.9(a) b150Ø 500Ø				PC	
▼	T-1720Ø	25*	40.0 Δ	1.6#S		12	11Ø		50	100	3.0Ø	1.0	35Δ			60Ø	MA	
▼	T1796	150		.50 Δ	.40#J	35		35	200	35	.50Ø	200	45 \dagger				TO24	
▼	GT-1811					70		10		7.0Ø	.25Ø	5.0Ø	15 \dagger Δ	b2.0				
▼	1850-0003	83	70.0 Δ	.60ØJ		20			10	13	6.0	1.0	67 \dagger				AD	
▼	1850-0011	150	8.00	.40#J		45	30#	25	300	6.0Ø	.50Ø	5.0Ø	90 \dagger			20Ø	TO5	
▼	T1939	50		#S		15	15#	2.0	50	50	.50Ø	10Ø	20 \dagger Δ			20Ø	TO9	
▼	SYL2120	100			#J	15	15	3.5	50	3.0Ø	100	10Ø	25 \dagger Δ			MED	u1	
▼	T2352	60	300 Δ	1.3#S		20	20Ø	.50		100	10	2.0	10Δ			1.5Ø	MD	
▼	DAS3540Ø	25*	175Ø	2.2#J		15	12Ø	2.0	50	25	.50Ø	50Ø	20Δ			3Ø	MA	
▼	3907	150	12.0	.40#J		25		12	200	20	.15Ø	12Ø	45 \dagger			15	AA	
▼	4096-2404-1Ø					150										25Ø	A	
▼	4096-2404-2Ø					150										25Ø	A	
▼	4096-2404-3Ø					150										25Ø	A	
▼	4096-2404-4Ø					150										25Ø	A	
▼	4096-2404-5Ø					150										25Ø	A	
▼	4096-3006	120	4.00 Δ	#J		30	15	20		2.0Ø	.20Ø	1.0 Δ	45 \dagger Δ			25Ø	A	
▼	L5129	10 \dagger	30.0*	#S		5.0		5.0	15	3.0	1.0Ø	5.0Ø	9.1 \dagger Δ			6Ø	S	
▼	GT5149	50	100	.83		10		1.0		10	.30Ø	10	25 \dagger			3.0	MA	
▼	21371-1	225	1.00 Δ	3.7#J		30	30Ø	15	400	10	1.0Ø	20Ø	70 \dagger b1.5Ø	30	15Ø	40Ø	A	
▼	GA52830Ø	2.5WØ	4.00 Δ	024#J		40	20	40		100	4.5Ø	20Ø	50Ø \dagger	b.25	28	7.6	47	A
▼	GA53213	120	1.40	.50#J		30	30	30	50	50	5.0Ø	1.0Ø	30			17.5	A	
▼	B94,487	100		.50ØJ		30		10	50	6.0Ø	5.0Ø	1.0Ø	55				OV9	
▼	ZA97600	500	2.50	.50#J		50	25#	20	400	10Ø	1.0Ø	20Ø	80 \dagger			50Ø	TO5	
▼	99240-149	129	40.0 Δ	.50#S		40	40#	.50		50	12Ø	1.5Ø	120			3Ø	TO33	
▼	99240-150	120	40.0 Δ	.50#S		40	40#	.50		50	12Ø	1.5Ø	120			3Ø	TO33	
▼	131643	120	4.00			25	24	12	100	1.5Ø	5.0	1.0	90	b1.0	25		TO5	
▼	C242912-20	120	25.0 Δ	.60#S		40		.50	10	12	12Ø	1.5Ø	85			3Ø	D†	
▼	446914A	50		#S		24			5.0	150	6.0	1.0	65	b1.0	33	5.0	N71	
▼	468123	50		#S		20	25Ø		50	5.0	6.0	1.0	50	b1.5	35	5.0	TO9	
▼	624478	150	1.50	.48#J		45		20	50	50	5.0	1.0	30	b.70	28	50	RO31	
▼	632534-2	50		1.0#5		15		2.0	50	5.0Ø	.60Ø	50Ø	20 \dagger			5.0Ø	TO24	
▼	723005-6	750Ø	12.0 Δ	10#J		30	20	20	400	25	1.0Ø	200Ø	75 \dagger Δ				20Ø	A
▼	723005-7Ø	150		#S		30	20	20	500		.25Ø	1.0Ø	25 \dagger				TO5	
▼	723005-8Ø	5.0		#S		18#					1.0Ø	.20Ø	400Ø				TO5	
▼	723005-10	150	3.00 Δ	.40#S		30	25#	25	300	6.0Ø	1.0Ø	10Ø	20 \dagger Δ				TO5	
▼	723005-18Ø	50		#S		15	15#	2.0	50	50	.50Ø	10Ø	20 \dagger Δ			20Ø	MA	
▼	723045-2	750	3.00	.01#S		45	40Ø	45	400	25	1.0Ø	100Ø	40 \dagger Δ			20Ø	TO31	

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.
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♦ - PREFERRED TYPE - MIL-STD 701

2. GERMANIUM PNP-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$\beta_{\alpha b}$	DE RATE in Free Air @25°C β_c (Mc)	ABSOLUTE MAX. RATINGS @ 25°C.					TYPICAL "h" PARAMETERS @ 25°C.							DESCRIPTION STRUCTURE Dwg. No.	
					M AX.	BV _{CBO}	BV _{CEO}	BV _{EBO}	I _C	Max. I _{CBO} @ MAX. V _{CB} @ 25°C.	BIAS	COMMON Emitter						
					BV _{CBO}	BV _{CES}	BV _{CER}	I _E	I _{IC}	V _{CB}	β -V _{CE}	β -IC	β -IB	h_{fe}	h_{oe}	h_{ie}	h_{re}	
▼	723045-7	500		1.4#J	80	80#	20	3K	750	.500	1.00	40						
▼	908014	150		.40#S	25	15#	20	300	6.0	.300	1000	30Δ†					20	A TO11
▼	908181	300	.40	.20#S	75	75#	70	2A	1000	1.50	10000	150Δ†#						TO5 TO11
▼	908287	150	5.00	.40#S	30	30#	25	300	6.0	.350	2000	15Δ†						TO5
▼	908328	50		.75#S	105	105#	50	100	50	.350	500	20Δ†						TO5
▼	910520	60		1.0#S	15	12#	2.0	50	100	.300	100	85†					3	MA TO1
▼	911557-502	500	.50	.20#S	65	650		50	200	5.0	1.0	20	b.70	28	4.0			RO32
▼	911914-01	50	140#	1.5#J	15	15#	2.0	50		.300	10	85†					3.0	MD TO18
▼	928201-4	170	15.0#	.35#S	25	9.0	12	1A	25	.250	1.0Δ	80Δ†					20	TO5
▼	940883-305	170	17.0	.35#J	30	12	20	400	4.00	.250	1.0Δ	80†					14	FA TO5
▼	1021712-1	240	20.0#	.25#A	40	40#	1.5	500	8.0	.800	3500	18.5Δ†					10	TO11
▼	1066364	50	2.00	#J	20	20	20	100	5.00	1.00	100†	.40		35	4.0		∅ TO23	
▼	1618831-1	170	10.0	#S	25	14	12	1.0A	25	.250	1.0Δ	70†					12	FA TO9
▼	1653139-1	225	2.50	#J	45	30	15	500	10	1.00	200	52†	b.60	31	5.0		25	† TO5
▼	1653139-2	225	3.30	#J	45	30	15	500	10	1.00	1000	91†	b.37	29			25	† TO5
▼	1693117	200	8.00	3.0#J	45	30	45	1K	50	3.00	2000	20†Δ					45	
▼	1980401	170	11.0	.35#	30	15	20	400	4.00	.250	1.0Δ	55†					14	FA TO5
▼	1980409	150	20.0	.40#J	30	10	20	400	25	.35	10	25†					20	TO9
▼	2019646	50		#S	105	105#	50	100	50ma	.300	5.0	60						TO5
▼	2038120	25	25.0#	2.2#S	6.0	6.0#	6.0		10	150	3.00	15Δ†					6	TO24
▼	2243255	200	2.50	.38#J	45	30	30	500	100	6.00	1.0	130	b.55	35				TO5
▼	2296650	225	1.50Δ	.27#J	45	30	15	500	100	1.00	200	100	b.90	31	14		40	TO5
▼	2376180-2	25	40.0	#J	6.0	6.0		50	5.0	1.00	500	20†Δ					2.0	TO24
▼	7733719-1	150	11.0	.4#J	30	15	20	100	25	.25	1.0Δ	55†					14	TO9
▼	8935906-1	25*	25.0#	1.6#S	10	9.0#		100	.700	300	50†Δ						6	TO1
▼	8935907-1	225	2.80	.38#S	70	50#	15	500	100	1.00	200	75†	b1.00	30	12		35	TO5
▼	8935910-1	110	45.0#	.55#S	20	17#	3.0	100	20	.300	200	300					12	TO5
▼	8935910-2	110	45.0#	.55#S	20	17#	3.0	100	20	.300	200	300					12	TO5
▼	8935911-1	100	10.0	.46#S	20	14#	9.0	400	20	.270	100	40†Δ					20	TO5
▼	8935911-2	100	10.0	.46#S	20	14#	9.0	400	20	.270	100	40†Δ					20	TO5
▼	8935913	250	.60Δ	.24#S	50	40#	36	250	50	.500	1800	40†Δ	b.40	30	2.0		60	RO27
▼	8935914	120	6.00	.35#S	25	25#	12	100	5.00	.200	240	50†Δ					20	TO5
▼	8935915-1	50	4.00	.38#S	25	24#	17	100	40	.150	120	24Δ†					20	TO5
▼	8935915-2	50	4.00	.38#S	32	29#	17	100	40	.150	120	24Δ†					20	TO5
▼	8935915-3	50	4.00	.38#S	25	24#	17	100	40	.150	120	24Δ†					20	TO5

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 • - PREFERRED TYPE - MIL-STD 701

3. GERMANIUM NPN-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$ (Mc) $(^{\circ}\text{C}/\text{mw})$	DERATE X. in Free Air T E M. P.	ABSOLUTE MAX. RATINGS @ 25°C.						Max. I_{CBO} @ MAX. V_{CB} @ 25°C. (ma) (μA)	TYPICAL "h" PARAMETERS @ 25°C.						Cob	DESCRIPTION	
					BV CBO	\emptyset BV CEO BV CES S-BV CER	BV EBO	I_C	BIAS				COMMON Emitter				STRUCTURE	Dwg. No.		
					(VOLT)	(VOLT)	(VOLT)	(ma)	V_{CB} (VOLT)	I_E \emptyset IC Δ -IB	h_{FE} \emptyset -hFE	h_{OE} (umho)	h_{IE} (ohm)	h_{RE} ($\times 10^{-4}$) (pf)						
▼	2N27	120	2.00	.50#J	35		20	5.0	4.0∅	4.5	1.0	50	b.14	35	1.3	17∅	G	N72		
▼	2N29	50∅	2.00	.50#J	35		20	5.0	15∅	4.5	1.0	50	b.14	35	1.3	17∅	G	OV1b		
▼	2N35	150	.80	.40∅J	40		100	50	6.0∅	1.0∅	75	30	2500	6.0			A	TO22		
▼	2N78	65	9.00	.91#S	15	15	5.0	20	3.0	5.0	1.0	58	b.20	55	2.0	6.0		OV5		
	2N78A	65	9.00	.91#S	20	20	5.0	20	3.0∅	5.0	1.0	58	b.20	55	2.0	3.0	G↑	OV5		
	USAF2N78A	60	5.00	#S	20	20	5.0		3.0∅	1.0∅	85↑					6∅	G	OV5		
▼	2N94	150	2.00Δ	.40#J	20	20∅		100	50	6.0∅	1.0∅	50↑					100	A	TO22	
	2N94A	150	5.00Δ	.40#J	20	20∅		100	50	6.0∅	1.0∅	20↑					100	A	TO22	
	2N98	50	2.50	∅	40			10	2.0	4.5	1.0	40					14	G		
▼	2N99	50	3.50	∅	40			10	2.0	4.5	1.0	40					10	G↑Δ		
▼	2N103	50	.75	∅	35			10	50	4.5	1.0	4.0					20	G		
▼	2N125	50	5.00	.70∅J	10		5.0	8.0	2.0	5.0	1.0∅	36	b.23	62	3.0	10		OV9		
▼	2N126	50	5.00	.70∅J	10		5.0	8.0	2.0	5.0	1.0	20	b			90	14		RO26	
	2N164A	65	8.00	.90#J	15	.15		20	5.0	5.0	1.0	40↑					2.4	G	RO5	
	2N165	65	5.00	.90#J	15	.15		20	5.0	5.0	1.0	72↑					2.4	G	RO5	
▼	2N167	65	9.00	.91#S	30	30	5.0	75	1.5∅	5.0	1.0	65	b.20	55	1.5	2.5	Δ	OV5		
▼	2N167A	75	9.00	.80#S	30	30	5.0	25	1.5∅	1.0	8.0∅	30↑	b.20	57	1.5	6.0	Δ	OV5		
	USAF2N167A	70	5.00	.86#S	30	5.0		1.5∅	1.0∅	8.0∅	17Δ↑					6∅	G	OV5		
▼	2N168A	65	8.00	.91#S	15			20	5.0	5.0	1.0	40					50	24	G	OV5
▼	2N169	65	8.00	.91#A	15	15		20	5.0	5.0	1.0	72↑					100	2.4	G	OV5
▼	2N169A	65	9.00	.80#J	25	25∅	5.0	25	5.0∅	5.0	1.0	50	b.20	55	20	2.4		OV5		
	2N182	100	3.80	.50∅	25			15				6.0	1.0	25			10	A		
	2N183	100	7.50	2.0∅	25			15				6.0	1.0	40			10	A		
	2N184	100	15.0	2.0∅	25			15				6.0	1.0	60			10	A		
	2N194	50	3.00	1.0∅J	18∅			100	25	6.0∅	1.0∅	8.0					11	A	TO22	
	2N194A	50	3.00	1.0∅J	18∅			100	50	6.0∅	1.0∅	8.0					11	A	TO22	
	2N212	150	4.00Δ	1.0#A	18	18	5.0	100	50	6.0∅	1.0∅	20					10	A	TO22	
▼	2N213	180	3.00	.40#	40	25∅	10	100	50	6.0∅	1.0∅	80	50∅	5500	10	10	A	TO22		
	2N213A	180	.15	.40∅J	40	25∅	10	100	50	6.0∅	1.0∅	185	50∅	5500	10		A			
▼	2N214	180	.80	.33#J	40	25	10	100	50	1.5∅	35∅	75↑	50∅	500	10∅	28	A	TO22		
▼	2N216	50	3.00	1.0∅J	18∅			50	50	6.0∅	1.0∅	7.5					11	A	TO22	
▼	2N228	180	.60	.30#J	40	15∅	10	100	100	6.0∅	1.0∅	80					11	A	TO22	
	2N229	180	.60Δ	.33#J	10	10∅	20	100	100	6.0∅	1.0∅	75					11	A	TO22	
	2N292	65	5.00	.91#S	15	15		20	5.0	5.0	1.0	25∅	b	500			2.4	G	OV5	
	2N293	65	8.00	.91#S	15	15		20	5.0	5.0	1.0	25∅	b	350			2.4	G	OV5	
	2N306	180	.60Δ	.33#J	20	15∅	10	100	50	6.0∅	1.0∅	75					A	TO22		
▼	2N312	150	.50#S	15				60	5.0	10	50↑	b.50					AΔ	TO5		
▼	2N356	150	3.00	.50#S	20			20	500	25	.25∅	100	30↑	b.50			14	A	TO5	
	2N356A	150	3.00	.50#S	30			20	500	25	.25∅	100	35↑	b.50			14	A	TO5	
▼	2N357	150	6.00	.50#S	20			20	500	25	.25∅	200	30↑	b.50			14	A	TO5	
	2N357A	150	6.00	.50#S	30			20	500	25	.25∅	200	40↑	b.50			14	A	TO5	
▼	2N358	150	9.00	.50#S	20			20	500	25	.25∅	300	30↑	b.50			14	A	TO5	
▼	2N358A	150	9.00	.50#S	30			20	5.0	.25∅	300	40↑	b.50				14	AΔ	TO5	
♦	JAN2N358A	150	.50#S	30	15	20		25	.25∅	300∅	50↑							TO5		
▼	2N364	150	2.50	.50∅S	30		2.0	50	10	5.0	1.0	15	b.10	55	.90	10	G	OV9		
▼	2N365	150	3.00	.50∅S	30		2.0	50	10	5.0	1.0	34	b.10	55	.90	10	G	OV9		
▼	2N366	150	3.50	.50∅S	30		2.0	50	10	5.0	1.0	95	b.10	55	.90	10	G	OV9		
▼	2N377	150	6.00	.50#J	25	20∅	15	200	10	.50∅	30∅	40↑					15	A	TO5	
▼	2N377A	150	6.00	.50#J	40		15	200	40	.50∅	30	40↑						A	TO5	
▼	2N385	150	6.00	.50#J	25	25∅	15	200	10	.75∅	30	60↑					15	AΔ	TO5	
	2N385A	150	8.00	.50#J	40	15	15	200	40	.50∅	30	70↑					20∅	AΔ	TO5	
▼	2N388	150	15.0	.50#J	25	20	15	200	10	.50∅	30	150↑					15	A	TO5	
▼	2N388A	150	12.0	.50#	40		15	200	40	.50	30∅	120					A	TO5		
▼	2N438	150	3.75	.50#J	30	25	300	6.0	1.0∅	50	25	b1.0	27	4.0	15	A	TO5			
	2N438A	150	3.75	.40#J	25		25	300	10	1.0∅	50∅	25	b1.0	27	4.0	9.0	A	TO9		
	2N439	100	7.50	.60#J	25		25	300	10	1.0∅	50∅	45	b1.0	27	4.0	9.0	A	TO5		
▼	2N439A	150	7.50	.40#J	25		25	300	10	1.0∅	50∅	45	b1.0	27	4.0	9.0	AΔ	TO9		
▼	2N440	150	10.0Δ	.50#J	30	15	25	300	10	1.0∅	50	40↑	b1.0	27	4.0	15∅	A	TO5		
	2N440A	150	10.0	.40#J	25		25	300	10	1.0∅	50∅	70	b1.0	27	4.0	9.0	AΔ	TO9		
▼	2N444	150	.50Δ	.60#J	15		10		25	4.5∅	1.0	15	b.50	30	1.6	16	A	TO5		
▼	2N444A	150	.50Δ	.50#S	40		10		25	.25∅	20	30↑	b.50	30	1.6	14	AΔ	TO5		
▼	2N445	150	2.00Δ	.60#J	15		10		25	4.5∅	1.0	35	b.50	28	2.0	16	A	TO5		
▼	2N445A	150	2.00Δ	.50#S	30		10		25	.25∅	20	90↑	b.50	28	2.0	14	AΔ	TO5		
▼	2N446	150	5.00Δ	.60#J	15		10		25	4.5∅	1.0	60	b.50	28	3.0	16	A	TO5		
▼	2N446A	150	5.00Δ	.50#S	30		10		25	.25∅	20	150↑	b.50	28	3.0	14	AΔ	TO5		
▼	2N447	150	9.00Δ	.60#J	15		10		25	4.5∅	1.0	125	b.50	27	6.0	16	A	TO5		
	2N447A	150	9.00Δ	.50#S	30		10		25	.25∅	20	200↑	b.50	27	6.0	14	AΔ	TO5		
▼	2N447B	150	9.00Δ	.50#S	25		10		4.0∅	5.0∅	1.0	200	b.50	27	6.0	14		TO5		

3. GERMANIUM NPN-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$ (Mc)	DERATE X. in Free Air T E M. P.	ABSOLUTE MAX. RATINGS @ 25°C.				Max. I_{CBO} @ MAX. V_{CB} @ 25°C.	TYPICAL "h" PARAMETERS @ 25°C.						Cob	DESCRIPTION	
					BV _{CBO}	BV _{CEO}	BV _{CES}	BV _{EBO}		BIAS			COMMON Emitter				STRUCTURE	Dwg. No.
					(VOLT)	(VOLT)	(VOLT)	(VOLT)		$\phi_{V_{CE}}$	I_E	ϕ_{IC}	ϕ_{IB}	h_{fe}	h_{oe}	h_{ie}	h_{re}	
	2N448	65	5.00	#J		15	20	5.0	1.0Ø	8.0†								
	2N449	65	8.00	#J		15	20	5.0	1.0Ø	72†								11 A TO22
	2N515	50	3.00	1.0ØJ		18	10	50	6.0Ø	1.0Ø	7.5							11 A TO22
	2N516	50	3.00	1.0ØJ		18§	10	50	6.0Ø	1.0Ø	7.5							11 A TO22
	2N517	50	3.00	1.0#J		18	10	50	6.0Ø	1.0Ø	7.5							11 A TO22
	2N556	100	.60#J		25	15	200	.30Ø	10Δ	50†								AΔ TO5
	2N567	50	.60	#		40		100	15	1.0	10	40						
	2N576	200	8.00	.37#J		20		15	400	10	.40Ø	400Ø	30†					15 A TO5
	2N576A	200	8.00	.37#J		40		15	400	40	.40Ø	400Ø	30†					15 A TO5
▼	2N585	120	5.00	.34ØA		25	15	200	8.0Ø	.20Ø	20Ø	40†						17 A TO9
▼	2N587	200	.40#J		40	30	40	200	10	.35Ø	200Ø	20Δ						30‡ A TO5
▼	2N634	150	8.00	.40#		20	15	15	300	15	.75Ø	200Ø	15†Δ					12 A TO9
▼	2N634A	150	8.00	.40#		25	20§	25	300	6.0Ø	1.0	10Ø	55†					12 A TO5
▼	2N635	150	12.0	.40#		20	15	15	300	15	.75Ø	200Ø	25†Δ					12 A TO9
▼	2N635A	150	12.5	.40#		25	20§	25	300	6.0Ø	1.0	10Ø	100†					12 A TO5
▼	2N636	150	17.0	.40#		20	15	15	300	15	.75Ø	200Ø	35†Δ					12 A TO9
▼	2N636A	150	17.0	.40#		25	15§	25	300	6.0Ø	1.0	10Ø	190†					12 A TO5
▼	2N647	100	.50ØA		25	25	12	50	14	1.0Ø	50Ø	70†						A TO1
	2N649	100	.50ØA		20	18	2.5	50	14Ø	1.0Ø	50Ø	65†						A TO1
	2N679	150	3.00	.40#J		25			25	.50Ø	3.0Ø	30†						A TO5
	2N821	75	10.0Δ	.80#J		30	15	25	400	10Ø	1.0Ø	50Ø	70†					9.0 FA u8
	2N822	75	10.0Δ	.80#J		30	15	25	400	10Ø	1.0Ø	50Ø	70†					9.0 FA u9
	2N823	75	12.0	.80#J		25	24	12	100	5.0Ø	.25Ø	20Ø	40†Δ					12 FA u8
	2N1000	150	7.00Δ	.50#S		40	25	40		15	.50Ø	100	35†	b.50				20‡ A TO5
▼	2N1010	20	2.00	1.5*#A		10	10	10	2.0	10	3.5Ø	.30	35					AØ TO1
▼	2N1012	150	3.00Δ	.50#S		40	22	35		25	.25Ø	100	40†Δ	b.50				20‡ A TO5
▼	2N1058	50	4.00#J			18§		50	50	6.0Ø	1.0Ø	17					10 A TO22	
▼	2N1059	180	.01Δ	.33#J		20	15§	10	100	50	1.5Ø	35Ø	75†					A TO22
▼	2N1086	65	8.00	.91#J		9.0	9.0	20		3.0Ø	5.0Ø	1.0Ø	40					G TO9
▼	2N1086A	65	8.00	.91#J		9.0	9.0	20		3.0Ø	5.0Ø	1.0Ø	40					G TO9
▼	2N1087	65	8.00	.91#J		9.0	9.0	20		3.0Ø	5.0Ø	1.0Ø	40					G TO9
▼	2N1090	120	7.00	#A		25	15	20	400	25	.20Ø	20Ø	50†					17 A TO9
▼	2N1091	120	13.0	#A		25	12	20	400	25	.20Ø	20Ø	70†					17 A TO9
▼	2N1101	180	.01Δ	.33#J		20			100	50	1.5Ø	35Ø	45					AΔ TO22
▼	2N1102	180	.01Δ	.33#J		40			100	50	1.5Ø	35Ø	45					AΔ TO22
▼	2N1114	150	10.0	.50#J		25		15	200	30	120Ø	20Ø	110†					A TO5
▼	2N1121	65	8.00	#J		15		20	5.0	1.0Ø	34†							
▼	2N1173	250	6.00	.30#J		35		35	200	10Ø	10Ø	.50Ø	80	b.19	56	7.0	20 AØ TO29	
▼	2N1217	75	9.00	.80#S		20	20	5.0	25	1.5Ø	1.0Ø	2.0Ø	60†					2.5 Δ
▼	2N1251	150	.075Δ	.40#J		20	15§	10	100	50	6.0Ø	1.0	150					A TO22
▼	2N1289	75	60.0	.83#J		20	15§	5.0	50	5.0Ø	1.0Ø	10Ø	150†					6.0 A TO5
▼	2N1299	150	5.00	.50#J		40						50	110					
▼	2N1302	150	3.00Δ	.40#S		25		25	300	100	1.0Ø	10Ø	50†					20‡ A TO5
▼	USN2N1302	150	3.00	.40#S		25	25#	25	300	100	1.0Ø	10Ø	20Δ†					20‡ TO5
▼	2N1304	150	5.00	.40#S		25	20#	25	300	100	1.0Ø	10Ø	40Δ†					20‡ TO5
▼	USN2N1304	150	5.00	.40#S		25	20#	25	300	100	1.0Ø	10Ø	40Δ†					20‡ TO5
▼	2N1306	150	10.0Δ	.40#S		25		25	300	100	1.0Ø	10Ø	100†					20‡ A TO5
▼	USN2N1306	150	10.0	.40#S		25	15#	25	300	100	1.0Ø	10Ø	60Δ†					20‡ TO5
▼	2N1308	150	15.0Δ	.40#S		25		25	300	100	1.0Ø	10Ø	150†					20‡ A TO5
▼	USN2N1308	150	15.0	.40#S		25	15#	25	300	100	1.0Ø	10Ø	80Δ†					20‡ TO5
▼	2N1310	120	1.00	.50#S		90		20		25	5.0	1.0	35	b1.0	35	5.0	11	↑ TO9
▼	USN2N1310	120	1.00Δ	.50#S		90	90#	20		25	.25Ø	20Ø	30†Δ	b2.0Ø	15Ø			A TO5
▼	2N1311	120	1.50	.50#S		75		20		25	5.0	1.0	30	b1.0	35	5.0	11	↑ TO9
▼	2N1312	120	2.00	.50#S		50		20		25	5.0	1.0	40	b1.0	35	5.0	11	↑ TO9
▼	2N1366	100	2.50Δ	.60		12	18§	10	15	6.0Ø	1.0	10					11 FAΔ TO5	
▼	2N1391	150	3.00Δ	.50#S		25		15		4.0Ø	5.0Ø	1.0	70	b.50	28	2.0	14	A TO5
▼	2N1431	180	.01Δ	.27ØJ		20	15	10	100	50	1.5Ø	35Ø	112†					A TO22
▼	2N1473	250	8.00	.24#J		40	40§	15	400	5.0Ø	.60Ø	400	50†					15 A TO5
▼	2N1510	75	.80#J			75	70§	8.0	20	5.0	1.0	1.0Ø	30†					
▼	2N1605	150	12.0	.50#		25		12	100	20								12 AΔ TO5
▼	2N1605A	200	6.00	.38#		40		12	100	10	.25Ø	20	60†					15 AΔ TO5
▼	2N1622	120	1.00	.50#S		90		20		7.0Ø	.25Ø	5.0	40†Δ	b 2Ø				24 A TO5
▼	2N1624	150	8.00	.50#J		25		15		1.0	.50Ø	30	120†					
▼	2N1672	120	2.00Δ	.50		40		10		25	5.0Ø	1.0	50			2.0K		A TO5
▼	2N1672A	120	2.00	.50#S		40		10		25	5.0Ø	1.0	20†Δ			2400		T05
▼	2N1694	75	9.00	.80#J		20	20	10	25	1.5Ø	1.0Ø	2.0Ø	25†					2.5 T05
▼	2N1779	100	5.00	.75#		25		15	100	10	.75Ø	100	40†					15 A u1
▼	2N1780	100	8.00	.75#		25		15	100	10	.75Ø	100	40†					15 AΔ u1
▼	2N1781	100	6.00	.75#		25		12	100	20	.25Ø	20	60†					15 Δ u1

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
 □ — MECHANICAL AND ENVIRONMENTAL TEST.
 ♦ — PREFERRED TYPE — MIL-STD 701

3. GERMANIUM NPN-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C Pc (mw)	f _{αb} (Mc)	DERATE in Free Air	M A X. T E M P. (°C/mw)	ABSOLUTE MAX. RATINGS @ 25°C.				Max. I _{CBO} @ MAX V _{CB} @ 25°C. (μa)	TYPICAL "h" PARAMETERS @ 25°C.						Cob	DESCRIPTION			
						BV _{CBO} (VOLT)	BV _{CEO} ∅-BV _{CES} ∅-BV _{CER} (VOLT)	BV _{EBO} (VOLT)	I _C (ma)	BIAS		COMMON Emitter									
						V _{CB} (VOLT)	I _E ∅-IC ∅-IB (ma)	h _{fe} †-hFE (umho)	h _{oe} (ohm)	h _{ie} (×10 ⁻⁴)	h _{re} (pf)										
	2N1808	150	4.00	.40#S	.25	20	20	300	5.0	.50∅	24∅	60†				15	A	T05			
	2N1891	150	.50#		.25	25	300	5.0	.15	100	25								T05		
	2N1993 □	150	3.00Δ	.50#J	.30	18	30	300	10∅	1.0∅	10∅	50Δ							T05		
	2N2085	150	8.00	.50#	.33				500	5.0∅	.25∅	10	100						20 □ A		
	2N2430	165	.008	∅	.15		5.0	30	15	0.0	50	65†Δ							T05		
▼	16T5D	150	10.0	.40#S	.25		25	300	100	1.0∅	10∅	100†							T01		
▼	16T26	180	.15	.40∅J	.40	25§	10	100	50	6.0∅	1.0∅	185							T09		
▼ □	107-279□	150	3.00	.40#S	.30	18	30	300	10	1.0∅	10∅	50†Δ							T05		
	GT167	150	5.00Δ	.50#S	.25		15		25	1.0∅	8.0	25†	b.50	28	3.0	16	AD	T05			
▼	ST204□	150	12.0	.40#J	.35	30#	30	300	6.0∅	.50∅	5.0∅	120†							T05		
▼	ST205□	150	12.0	.40#J	.35	30#	30	300	6.0∅	.50∅	5.0∅	185†							T05		
	CK261	75	1.20	.80#J	.35	12	20	100	10∅	6.0∅	1.0	54Δ	36	3600	7.0		FAD	u8			
▼	CK262	75	1.20	.80#J	.35	12	20	100	10∅	6.0∅	1.0	54Δ	36	3600	7.0		FAD	u9			
▼	302H□	100		.60#J	.20	20	20	10	200	10	.50∅	120∅	35†						T09		
	NAA358	150		#S	.20	20#	10		10	.50	200∅	20†Δ							T05		
	GT364	150	1.00	.50#S	.30			2.0		10	5.0∅	1.0	20	b.50	50	3.5	18	A	T05		
	GT365	150	1.00	.50#S	.30			2.0		10	5.0∅	1.0	40	b.50	50	3.5	18	A	T05		
	GT366	150	1.00	.50#S	.30			2.0		10	5.0∅	1.0	100	b.50	50	3.5	18	A	T05		
▼ □	763-1005	150	4.00Δ	.5#S	.25	25§	15	200	10	.75∅	200∅	20†Δ							T05		
	GT904	150	4.00	.50#S	.20			200	25	.20∅	1.0∅	30†	b.50			16	AD	T05			
	GT905 □	150		.50#S	.20			500	25	.20∅	1.0Δ	30†	b.50			16	A	T05			
▼	GT948	150	4.00Δ	.50#S	.20			5.0	200	20	3.5∅	1.0Δ	30†	b.50				AD	T05		
	GT949	150	.70Δ	.50#S	.30			200	25	3.5∅	1.0Δ	30	b.50			16	AD	T05			
▼	GT-1092	125		.5#S	.15	15	10		5.0∅	1.0	225	b2.0							A		
▼	GT1323	100	5.00	.60#J	.20	12	20		25	.25∅	20∅	200				14	A	T09			
▼	GT1325	100	5.00	.60#J	.20	12	20		80	.25∅	20∅	75				14	A	T09			
▼	GT1395	150		.50#J	.15	15#	10		25	.50	10	50Δ	b2.0			15	A				
▼ □	A99240-132□	120	3.00Δ	.50#S	.40	22	35	200	25	.25∅	100∅	40Δ†						20 □			
▼ □	723001-1	150	2.50	.56#S	.30	25	25		100	1.0∅	50∅	25						20	T09		
▼ □	723001-4	150		.50#J	.30	20	20	500	25	.25∅	200∅	50†							T05		
▼ □	723001-7	150	3.00Δ	.40#S	.25	25#	25	300	6.0	1.0∅	10∅	20Δ							T09		
▼ □	725285-2	75	9.00	1.0#J	.30	30	5.0	75	1.5∅	5.0	1.0	65†	b.20	55	1.5	2.5	Δ	OV5			
▼ □	908288	300	5.00	.20#S	.30	30#	25	6.0	.35∅	200∅	15Δ†							T05			
▼ □	928220-2□	150		.50#S	.30	15	20		25	.25∅	300∅	50†							T05		
▼	940884-305	100	10.0Δ	.60#A	.35	16	25		100	1.0∅	50	40Δ				8.0			T05		
▼ □	1980402	100	10.0Δ	.60#S	.30	15	25	100	10∅	.25∅	2.5Δ	20†Δ						20 □			
▼ □	N2088262-4	100		.6#J	.25	10		100	12∅	6.0∅	2.0∅	55†							T05		
▼ □	N2088265-2	55	5.00Δ	.90∅J	.25			20	5.0∅	.02Δ	75	b	500						OV5		
▼ □	N2088265-3	55	5.00Δ	.90∅J	.25			20	5.0∅	.02Δ	75	b	500						OV5		
▼ □	8935904-1	150	6.00	#S	.28	20#	21	400	25	.25	150	24†Δ						28 □			
▼ □	8935905-1	150	6.00	.50#S	.28	25§	15	400	8.0∅	.20∅	50∅	50†Δ						25 □			
▼ □	8935905-2	150	5.00	.50#S	.28	20§	15	400	8.0∅	.22∅	90∅	40†Δ							T05		
▼ □	8935905-3	150	6.00	.50#S	.28	20§	15	400	8.0∅	.22∅	150∅	25†Δ						25 □			
																		T05			

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
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 ♦ — PREFERRED TYPE — MIL-STD 701

4. SILICON PNP—Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P _c (mw)	f _{αb} (Mc)	DERATE in Free Air T E M P. (°C/mw)	ABSOLUTE MAX. RATINGS @ 25°C.					Max. I _{CBO} @ MAX. V _{CB} @ 25°C. (μA)	TYPICAL "h" PARAMETERS @ 25°C.						DESCRIPTION Cob STRUCTURE (pf)	Dwg. No.	
					BV _{CBO}	BV _{CEO}	BV _{CES}	BV _{EBO}	I _C		BIAS			COMMON Emitter					
					(VOLT)	(VOLT)	(VOLT)	(VOLT)	(ma)		V _{CB} ∅-V _{CE}	I _E ∅-IC Δ-IB	h _{fe} ∅-hFE	h _{oe} (umho)	h _{ie} (ohm)	h _{re} (×10 ⁻⁴)			
▼	2N327	400	.30	.40\$J	50	50	50	50	.10∅	6.0∅	1.0	14	b1.1	140	1.5	60∅	A T05		
▼	2N327A	250	.20	.54\$J	50	40	20	50	.10∅	5.0∅	3.0∅	15†	35	1000		70	FAΔ T05		
▼	2N328	337	.35	.40\$J	30	20	5.0		5m∅	6.0	1.0	24				30	F		
▼	2N328A	250	.30	.54\$J	50	35	20	50	.10∅	5.0∅	3.0∅	30†	40	1700		70	FAΔ T05		
▼	USA2N328A	250	.30	.54\$J	50	35	20	50	.10∅	5.0∅	3.0∅	30†	40	1700		70	FAΔ T05		
▼	2N329	400	.60	.40\$J	30	30	50	50	.10∅	6.0∅	1.0	50	b.80	120	1.5	60∅	A T05		
▼	2N329A	390	.50	.54\$J	50	30	20	50	.10∅	5.0∅	3.0∅	60†	50	3000		70	FAΔ T05		
▼	USA2N329A	390	.50	.54\$J	50	30	20	50	.10∅	5.0∅	3.0∅	60†	50	3000		70	FAΔ T05		
▼	2N330A	385	.50	.35\$J	50	30	20	50	1.0∅	5.0∅	3.0∅	25	40	1200		70	AA∅ T05		
▼	2N495	150	21.0	.77\$J	25	25	10	50	1.0	6.0∅	1.0	30		35	1.4K	3.5	6.0	PA∅ T01	
▼	USA2N495	150	21.0	.77\$J	25	25	10	50	1.0	6.0∅	1.0	30		35	1.4K	3.5	6.0	PA∅ T01	
▼	2N496	150	20.0\$	.77\$S	10	10	10	50	.10	.50∅	15∅							PSΔ T01
	2N721	400	80.0Δ	.25\$J	50	35	5.0		1.0∅	10∅	150∅	20†△#	1.0∅	35∅	8∅	45∅	DA	T018	
	2N722	400	96.0Δ	.38\$J	50	35	5.0		1.0∅	10∅	150∅	30†△#	b 1∅					DA	T018
	2N726	300	140\$	.50\$J	25	20#	5.0	50	1.0∅	1.0∅	10∅	30†#				5∅	MED	T018
	2N858 □	150	14.0\$	.77\$A	40	40	25	50	1.0	.50∅	5.0∅	20†		38	1.4K	3.5	5.0	PA T018
	2N859	150	14.0\$	.77\$A	40	40	25	50	1.0	.50∅	5.0∅	35†	50	2.5K	3.5	5.0	PAΔ T018	
	2N860	150	14.0\$	.77\$A	25	25	20	50	1.0	.50∅	5.0∅	20†	35	1.4K	3.5	5.0	PAΔ T018	
	2N861	150	22.0\$	.77\$A	25	25	20	50	1.0	.50∅	5.0∅	35†	50	2.5K	3.5	5.0	PAΔ T018	
▼	2N862	150	14.0\$	.77\$A	15	15	10	50	1.0	.50∅	5.0∅	20†	35	1.4K	3.5	5.0	PAΔ T018	
▼	2N863	150	22.0\$	.77\$A	15	15	10	50	1.0	.50∅	5.0∅	35†	50	2.5K	3.5	5.0	PAΔ T018	
	2N864	150	22.0\$	.77\$A	6.0	6.0	6.0	50	1.0∅	5.0∅	5.0∅	35†	50	2.5K	3.5	5.0	PAΔ T018	
	2N865	150	52.0\$	.77\$A	10	6.0	10	50	.10∅	.50∅	5.0∅	75†	110	5.0K	6.5	5.0	PA T018	
	2N869	360	320Δ	.49\$J	25	18	5.0		.01∅	5.0∅	10∅#	20#△#				9∅	PLΔ	T018	
	2N925	150	.80Δ	1.2\$	50	40	50	50	6.0∅	1.0∅	17	b 40	2100	75∅20∅	A	T018			
	2N926	150	.80Δ	1.2\$	50	40	50	50	6.0∅	1.0∅	38	40	2100	75∅20∅	A	T018			
	2N927	150	.80Δ	1.2\$	70	60	70	50	6.0∅	1.0∅	15	40	2100	75∅20∅	A	T018			
	2N928	150	.80Δ	1.2\$	70	60	70	50	6.0∅	6.0∅	1.0∅	34	40	2100	75∅20∅	A	T018		
	2N935	385	.20	.35\$J	50	40	20	100#	.10∅	1.5∅	1.0Δ	11†	35	1000		70	AA	T018	
	2N936	385	.30	.35\$J	50	35	20	50	.10∅	.50∅	3.0∅	28	40	1700		70	AA	T018	
	2N938	250	1.00Δ	.60\$J	40	35	40	100	.025∅6.0∅	1.0	15	b1.4	35	10	7.0	A	T018		
	2N939	250	2.00Δ	.60\$J	40	35	40	100	.025∅6.0∅	1.0	30	b1.4	35	10	7.0	Δ	T018		
	2N940	250	2.00Δ	.60\$J	40	35	40	100	.025∅6.0∅	1.0	60	b1.4	35	10	7.0	Δ	T018		
	2N941 △	250	12.0	.60\$S	25	8.0	50	2.5∅	6.0	1.0	50				25	7.0	A	T018	
	2N942 △	250	10.0	.60\$S	25	8.0	25	50	2.5∅	6.0	1.0	50				25	7.0	A	T018
	2N943 △	250	1.00Δ	.60\$S	40	18	40	50		6.0	1.0					25	7.0	A	T018
	2N944 △	250	1.00Δ	.60\$S	40	18	40	.50		6.0	1.0					25	7.0	A	T018
	2N945 △	250	1.00Δ	.60\$S	50	50	50	.50		6.0	1.0					25	7.0	A	T018
	2N946 △	250	1.00Δ	.60\$S	80	80	80	.50		6.0	1.0					25	7.0	A	T018
	2N981	500	80.0	.35	80					5.0	1.0	36					D		
	2N1025	250	1.00	.60\$J	40	35	40	100	.025∅6.0∅	1.0	15	b1.4	35	10	7.0	A	T05		
	JAN2N1025M	250	1.00	.70\$S	40	35	40	100	6.0	1.0	15	b2.5∅	75∅20∅	12∅			T05		
▼	2N1026	250	2.00Δ	.60\$J	40	35	40	100	.025∅6.0∅	1.0	30	b1.4	35	10	7.0	A	T05		
▼	2N1026A	250	2.00Δ	.60\$J	40	35	40	100	6.0∅	1.0	60	b1.4	35	10	7.0	A	T05		
▼	USA2N1026A	250	2.00Δ	.60\$J	40	35	40	100	6.0∅	1.0	60	b1.4	35	10	7.0	A	T05		
♦	JAN2N1026M	250	2.00	.70\$S	40	35	40	100	6.0	1.0	32	b2.5∅	75∅20∅	12∅			T05		
▼	2N1034	250	.20	.54\$J	50	40	20	50	1.0∅	6.0	1.0∅	15	15	900		70	FA	T05	
▼	2N1035	250	.30	.54\$J	50	35	20	50	1.0∅	6.0	1.0∅	30	40	1700		70	FA	T05	
▼	2N1036	250	.50	.54\$J	50	30	20	50	1.0∅	6.0	1.0∅	60	50	2500		70	FA	T05	
▼	2N1037	250	.30	.54\$J	50	35	20	50	1.0∅	6.0∅	1.0∅	25	20	1400		70	FA†	T05	
▼	2N1118	150	21.0*	.77\$	25	25	.10	50	1.0	6.0∅	1.0	30	35	1.4K	3.5	6.0	PA	T05	
▼	2N1118A	150	18.0*	.76\$J	25	25	10	50	1.0	6.0∅	1.0	25	b1.5	50		6.0	A	T05	
▼	2N1119 □	150	20.0\$	.76\$J	10	10	10	50	.10	.50	15∅	20†△#	b 1∅	35∅	8∅	45∅	DA	T05
▼	2N1131 □	600	80.0	.25\$J	50	35	5.0		1.0∅	10∅	15∅	30	b1.0∅	35∅	8∅	45∅			
	USN2N1131	600	50.0	.25\$J	50	35	5.0		1.0	10∅	15∅	30	b1.0∅	35∅	8∅	45∅	T05		
	2N1131A	750	100	.75\$J	60		5.0		.50	10∅	15∅	25†	b 60	30	8.0	30	MED	T05	
▼	2N1132 □	600	96.0	.25\$J	50	35	5.0		1.0∅	10∅	15∅	30†△#	b 1∅	35∅	8∅	45∅	DA	T05	
▼	USN2N1132	600	60.0	.25\$J	50	35	5.0		1.0	10∅	15∅	60	b1.0∅	35∅	8∅	45∅	T05		
	2N1132A	750	100	.75\$J	60		5.0		.50	10∅	15∅	40†	b1.0	30	8.0	30	MED	T05	
	2N1132B	750	100	.25\$J	70	45	6.0	600	100	10∅	15∅	60†	.25	28	3.0	25	PL	T05	
	2N1196	350	40.0	.50\$A	70	70	4.0	15	.25∅	10	2.0	10	b.30	20	.60	4.0	ME∅	T05	
	2N1197	350	45.0	.50\$A	70		4.0	15	.25∅	10	2.0	10	b.30	20	.60	3.0	ME∅	T05	
▼	2N1219	250	5.00	.60\$J	30	25	20	100	.10∅	.25∅	5.0∅	18†Δ				15∅	A	T05	
	2N1220	250	2.00Δ	.60\$J	30	25	20	100	.10∅	.25∅	5.0∅	9.0†Δ				18∅	A	T05	
	2N1222	250	2.00Δ	.60\$J	30	25	10	100	.10∅	.6.0∅	1.0	9.0Δ				18∅	A	T05	
▼	2N1229	400	1.20	.34\$J	15	15	15		.10∅	2.0∅	10∅	30†	b1.2	30	15	95	A†	T05	
	2N1230	400	1.20	.34\$J	35	35	35		.10	2.0∅	10∅	14†	b1.2	30	8.0	95	A†	T05	
▼	2N1231	400																	

4. SILICON PNP—Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$ (Mc)	DERATE in Free Air T E M. P.	MAX. X. in Free Air @25°C P_c (mw)	ABSOLUTE MAX. RATINGS @ 25°C.				Max. I_{CBO} @ MAX V_{CB} @ 25°C. (ma)	TYPICAL "h" PARAMETERS @ 25°C.						Cob	DESCRIPTION	
						BV _{CBO}	\emptyset BV _{CES}	BV _{EBO}	I_C		BIAS		COMMON Emitter					STRUCTURE	Dwg. No.
						(VOLT)	(VOLT)	(VOLT)	(ma)		V_{CB} (VOLT)	\emptyset V _{CE} (VOLT)	I_E (ma)	h_{fe} (\emptyset -HFE)	h_{oe} (umho)	h_{ie} (ohm)	h_{re} ($\times 10^{-4}$)		
▼	2N1233	400	1.00	.34\$J	60	60	60		.10Ø	2.0Ø	10Ø	30†	b1.2	30	4.0	95	A†	T05	
▼	2N1234	400	.80	.34\$J	110	110	110		.10Ø	2.0Ø	10Ø	14†	b1.2	30	4.0	95	A†	T05	
▼♦	USA2N1234	400	.80	.34\$J	110	110	110		.10Ø	2.0Ø	10Ø	14†	b1.2	30	4.0	95	A†	T05	
▼	2N1239	1000	1.20	.14\$J	15	15	15		.10Ø	2.0Ø	10Ø	30†	b1.2	30	15	95	A†	X3	
▼	2N1240	1000	1.20	.14\$J	35	35	35		.10Ø	2.0Ø	10Ø	14†	b1.2	30	8.0	95	A†	X3	
▼	2N1241	1000	1.20	.14\$J	35	35	35		.10Ø	2.0Ø	10Ø	30†	b1.2	30	8.0	95	A†	X3	
▼	2N1242	1000	1.00	.14\$J	60	60	60		.10Ø	2.0Ø	10Ø	14†	b1.2	30	4.0	95	A†	X3	
▼	2N1243	1000	1.00	.14\$J	60	60	60		.10Ø	2.0Ø	10Ø	30†	b1.2	30	4.0	95	A†	X3	
▼	2N1244	1000	.80	.14\$J	110	110	110		.10Ø	2.0Ø	10Ø	14†	b1.2	30	4.0	95	A†	X3	
▼	2N1254	275	25.0Δ	.55\$A	30	30	5.0		.20Ø	10	2.0	25	b	30Ø		10Ø	ME	T05	
	2N1256	275	25.0Δ	.55\$A	40	40	5.0		.20Ø	10	2.0	25	b	30Ø		10Ø	ME	T05	
	2N1257	275	40.0Δ	.55\$A	40	40	5.0		.20Ø	10	2.0	55	b	30Ø		10Ø	ME	T05	
	2N1258	275	25.0Δ	.55\$A	30	30	5.0		.20Ø	10	2.0	25	b	30Ø		10Ø	ME	T05	
	2N1259	275	40.0Δ	.55\$A	50	50	5.0		.20Ø	10	2.0	55	b	30Ø		10Ø	ME	T05	
▼	2N1275	250	.20	.54\$J	100	80	60	50	1.0Ø	.50Ø	1.0Ø	15†	11	1500	7.5	60	FAD	T05	
▼	2N1428	100	23.0*	1.2\$J	6.0	6.0		50	.10	.50Ø	5.0Ø	30†	b1.7	35		7.0	A‡	T01	
	2N1429	100	23.0*	1.2\$J	6.0	6.0		50	.10	.50Ø	5.0Ø	30†	b1.7	35		7.0	A‡	T05	
	2N1439	400	1.00Δ	.44\$A	50			50	100	0.25	6.0	1.0	9.0	35	1000		5.0	A	T05
▼	2N1440	400	1.00Δ	.44\$J	60	50	60	100	50	6.0Ø	1.0Ø	15	b1.7	60	16	5.0	A	T05	
▼	2N1441	400	1.00Δ	.44\$J	50	35	50	100	50	6.0Ø	1.0Ø	27	b1.7	60	16	5.0	A	T05	
▼	2N1442	400	1.00Δ	.44\$J	50	30	50	100	50	6.0Ø	1.0Ø	43	b1.2	60	16	5.0	A	T05	
▼	2N1443	400	1.00	.44\$A	50			50	100	0.25	6.0	1.0Ø	65	35	1000		5.0	A†	T05
	2N1469	250	2.00Δ	.60\$J	40	35	40	100	0.25	6.0	1.0Ø	60	b1.4	35	10	7.0	A	T05	
	JAN2N1469M	250	2.00	.70\$S	40	35	40		100	6.0	1.0	66	b2.5Ø	75Ø	20Ø	12Ø		T05	
	2N1474	250	1.00Δ	.60\$J	60	60	60	100	50	.05Ø	6.0	1.0	26	b1.4	40	10	7.0	A	T05
	2N1474A	250	2.00Δ	.60\$J	60	60	60	100	50	.05Ø	6.0	1.0	30	b1.4	40	10	7.0	A	T05
	2N1475	250	1.00Δ	.60\$J	60	60	60	100	50	.05Ø	6.0	1.0	60	b1.4	40	10	7.0	A	T05
	2N1476	250	1.00Δ	.60\$J	100	100	100	100	100	.20Ø	6.0	1.0	24	b1.4	45	10	7.0	A	T05
	2N1477	250	1.00Δ	.60\$J	100	100	100	100	100	.20Ø	6.0	1.0	45	b1.4	45	10	7.0	A	T05
	2N1643	250	.70	.54\$J	25	25	20	50	0.01	6.0	1.0Ø	18	b	35		50	A	T05	
	2N1654	250	.25	.54\$J	100	80	100	50	1.0Ø	.50Ø	1.0Ø	30†	11	1500	7.5	50	FAD	T05	
	2N1655	250	.20	.54\$J	125	100	125	50	1.0Ø	.50Ø	1.0Ø	15†	11	1500	7.5	50	FAD	T05	
	2N1656	250	.25	.54\$J	125	100	125	50	1.0Ø	.50Ø	1.0Ø	30†	11	1500	7.5	50	FAD	T05	
	2N1677	100	32.0*	1.2\$S	4.5			50	.10	3.0Ø	1.0Ø	50	b1.5	40		7.0	A	T05	
	2N1917	250	2.00Δ	.60\$S	25	8.0	25	50	2.5n	6.0	1.1	50				7.0	A	T05	
	2N1918	250	10.0Δ	.60\$S	25	8.0	25	50	2.5n	6.0	1.0	50				7.0	A	T05	
	2N1919	250	1.00Δ	.60\$S	40	18	40	50								7.0	A	T05	
	2N1920	250	1.00Δ	.60\$S	40	18	40	50								7.0	A	T05	
	2N1921	250	1.00Δ	.60\$S	50	50	50	50								7.0	A	T05	
	2N1922	250	1.00Δ	.60\$S	80	80	80	50								7.0	A	T05	
	2N2162	150	20.0*	.77\$S	30			30		.01Ø	3.0Ø	1.0	35			6.0	S	T05	
	2N2163	150	20.0*	.77\$S	15			15		.01Ø	3.0Ø	1.0	35			6.0	A	T05	
	2N2165	150	18.0*	.77\$S	30			30		.02Ø	6.0Ø	1.0	25 at 4 mc			6.0	S	T05	
	2N2166	150	18.0*	.77\$S	15			15		.02Ø	6.0Ø	1.0	25 at 4 mc			6.0	S	T05	
	2N2174	400	1.00	.44	45					5.0	10	22†Δ				6.0	A	T05	
	2N2274	150	9.00*	.77\$S	25	25	50	1.0	.50Ø	5.0Ø	1.0Ø	15				6.0	PA	T018	
	2N2275	150	9.00*	.77\$S	25	25	50	1.0	.50Ø	5.0	1.0	15				6.0	PA	T018	
	2N2303	600	9.60Δ	.25\$J	50	35	5.0		1.0Ø	10Ø	150Ø	75†Δ#				45Ø	D	T05	
	2N2377	150	21.0*	.77\$	25			10	50	1.0	6.0Ø	1.0Ø	30	35	1400		6.0	PA	T018
	2N2378	150	20.0*	.76\$	10			10	50	.10	.50	.15	25†			7.0	PA	T018	
	2N2391	1000Ø	100\$		20Ø			30		1.0Ø	10Ø	1.0Ø	30†				PL	TO50	
	2N2411	300	200*	.58\$J	25	20	5.0	100	.01Ø	.50Ø	10Ø	40†				3.7	EPL	T018	
	2N2424	375	15.0	\$	50			30	5.0	10	.50Ø	5.0Ø	65			7.0	A	T05	
	2N2425	375	20.0	\$	50			20	5.0	10	.50Ø	5.0Ø	50			7.0	A	T05	
	2N2551	400		\$S	150	150			.10Ø	5.0Ø	100Ø	15†Δ#					AØ	T05	
	BCY11	312	1.50*	.40\$J	60	12	250		.10Ø	6.0Ø	10	40				90	AØ	RO8	
	BCZ12	250	1.00	.50\$J	60	30	50		.10Ø	6.0Ø	1.0	15				40	AØΔ	RO8	
▼‡	112-463	150	21.0	.77\$J	25	10	50	1.0	6.0Ø	1.0	1.0	30		35	1.4K	3.5	6.0	A‡	T01
▼	NS120	400		.44\$J	15	15	100	10	.003	.001	20						20	T05	
	OC201	250	4.00	\$J	55			50	.01Ø	6.0	1.0	30						RO8	
▼‡	472-0145Ø	150	8.00†	.77\$J	30	30Ø	25	50	.50	6.0Ø	1.0Ø	9.0Δ	b2.5	90Ø			12Ø	S	T01
▼‡	575-R396-H01	800		.22\$S	60	60	8.0		100	10Ø	200Ø	24†							T05
▼‡	575-R396-H02	800		.22\$S	100	100	8.0		100	10Ø	200Ø	24†							T05
▼‡	575R525H01	140	7.20*	.82\$S	25	25	10		1.0	6.0	1.0	9.0Δ	b2.5	90			12Ø		T05
▼‡	575-R526-H03	380		.36\$S	50	40	20	50	50	.50Ø	.10Δ	16							T05
▼‡	576-R047-H01	200	.80	.34\$J	110	110	110		100	5.0	1.0	19							A
▼‡	690T1-37	150	2.00Δ	\$S	45			1.0	25	1.0	5.0	1.0	50	b1.3Ø	50	7.5	20	T05	
	MT1256	250	100\$	.59\$J	40			5.0										

4. SILICON PNP—Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$ (Mc)	DERATE in Free Air	M A X. T E M. P.	ABSOLUTE MAX. RATINGS @ 25°C.				Max. I_{CBO} @ MAX V_{CB} @ 25°C.	TYPICAL "h" PARAMETERS @ 25°C.						Cob	DESCRIPTION	
						BV CBO	\emptyset -BV _{CEO}	BV EBO	I_C		BIAS			COMMON Emitter				STRUCTURE	Dwg. No.
						(VOLT)	(VOLT)	(VOLT)	(ma)		V_{CB}	I_E	\emptyset - V_{CE}	\emptyset - I_C	Δ - I_B	h_{fe}	h_{oe}	h_{ie}	h_{re}
▼	T1426	150	8.00*	.77\$J	25	25#	10	50	.10Ø	6.0Ø	1.0	10†	b2.5	90		12	S	T01	
▼	T1467	150	8.00*	.77\$J	30	30#	10	50	.10Ø	6.0Ø	20	10†Δ	b2.5	90		12	S	T01	
▼	T1619	150	.77\$J	25	25	10	50	.50Ø		15	6.0Δ					15	S	T05	
▼	T-2100	150	5.00	.77\$J	40	40Ø	25	50	1.0	6.0Ø	1.0Ø	9.0Δ							T01
▼	FT4510AB	400	96.0Δ	.38\$J	50	35	5.0		1.0Ø	10Ø	150Ø	30†#Δb 1Ø	35Ø	8Ø		45Ø	DA	T018	
	HA7515	1000	.80	.14\$J	150				.10	5.0	1.0	20	b1.2	30	4.0	95	A	X3	
	HA7516	5000Ø	1.00	.14\$J	90				.10	5.0	1.0	45	b1.2	30	4.0	95	A	X3	
	HA7517	5000Ø	1.00	.14\$J	110				.10	5.0	1.0	45	b1.2	30	4.0	95	A	X3	
	HA7521	1000	1.20	.14\$J	60				.10	5.0	1.0	12	1.2	30	10	95		X3	
	HA7531	400	1.20	.34\$J	60				.10	5.0	1.0	12	1.2	30	10	95		T05	
	HA7540	400	.80	.34\$J	150				.10	5.0	1.0	20	b1.2	30	4.0	95	A	T05	
	HA7541	400	.80	.34\$J	90				.10	5.0	1.0	45	b1.2	30	4.0	95	A	T05	
	HA7542	400	.80	.34\$J	110				.10	5.0	1.0	45	b1.2	30	4.0	95	A	T05	
	HA7543	400	.80	.34\$J	60				.10	5.0	1.0	90	b1.2	30	4.0	95	A	T05	
	HA7598	385	1.00	.35\$J	50	35	20	50	.10	.50	1.0Δ	25	40			95	AØ	X3	
	HA7599	385	1.00	.35\$J	50	30	20	50	.10	.50	1.0Δ	50	50			95	AØ	X3	
	HA7630	400	1.00	♦	40				5.0	10	5.0	22	1.5	10	4.0		A	T05	
	HA7631	400	1.00	♦	80				2.0	10	5.0	22	1.5	10	4.0		A	T05	
	HA7633	400	1.00	♦	80				2.0	10	5.0	60	1.5	10	4.0		A	T05	
	HA7725	1000	.10	.14\$J	100				1.0	6.0Ø	1.0	14†				65	A	X3	
	HA7730	1000	1.00	♦	40				5.0	10	5.0	22	1.5	10	4.0		A	X3	
	HA7731	1000	1.00	♦	80				2.0	10	5.0	22	1.5	10	4.0		A	X3	
	HA7732	1000	1.00	♦	40				5.0	10	5.0	60	1.5	10	4.0		A	X3	
	HA7733	1000	1.00	♦	80				2.0	10	5.0	60	1.5	10	4.0		A	X3	
	HA7734	1000	.20	.14\$J	50				2.0	50	1.0	6.0Ø	1.0	14		65	A	X3	
	HA7736	1000	.40	.14\$J	50				2.0	50	1.0	6.0Ø	1.0	50		65	A	X3	
	HA9058	250	25.0Δ	.55\$A	50				5.0	.20Ø	10	2.0	25	b	30Ø	10Ø	ME	T018	
	HA9059	250	40.0Δ	.55\$A	50				5.0	.20Ø	10	2.0	55	b	30Ø	10Ø	ME	T018	
	HA9532B	400	100	.38\$J	70				6.0	.01	10Ø	150Ø	40†	b1.0	30	8.0	35	PL	T018
▼	66456-501-511																		
▼	632526-2	100	23.0*	1.2\$J	6.0	6.0			50	.10	.50Ø	5.0Ø	30†	b1.7	35		7.0	AØ	T01
▼	632526-2	150	2.00	.835\$J	35	35	35	100	25	6.0	1.0	35†	b3.0Ø	90Ø	15Ø	15Ø	A	T05	
▼	723025-1	500	.50Δ	.25\$J	60	50	60		.10Ø	5.0	1.0	6.0	b1.0	45	4.0		F	X3	
▼	723025-12	100	16.0	1.15\$J	4.5	4.5			50	.10Ø	3.0	1.0	4.0	at 4 mc			14Ø		T05
▼	723025-18	400		.34\$S	35	35	35			.10Ø	5.0	1.0	25				F		T05
	900201-65	600	30.0*	.25\$J	40	30\$	5.0	600	1.0Ø	10Ø	150Ø	60†							T09
	900201-91	150	1.00	.84\$J	45	45	45	100	.025	6.0	1.0	75	b5.0Ø	85Ø	50Ø	20Ø			T05
	900201-187	250	.60	SS	90	60	90	100	.005	.01	1.0					14		T018	
	928101-47	600	30.0*	.25\$J	40	30\$	5.0	600	1.0Ø	10Ø	150Ø	60†#				45Ø	D	T05	
	928101-5	250	.20	.54\$J	50	35	20	50	4.0	.50Ø	3.0	35†#							T05
	928101-6	250	.20	.54\$J	60	60	20	50	100	20Ø	10Ø	35							T05
	928101-8	250	.20	.54\$J	50	30	20	50	4.0	.50Ø	3.0Ø	35							T05
	928101-9	150	8.00*	.765\$J	25	25	10		1.0	6.0Ø	1.0Ø	9.0	b2.5	90			12Ø		T05
	966179-501-5			SS	4.5#				.10Ø	3.0Ø	1.0Ø	4.0Δ							TO1
	1303601-1	340	.350	.4\$J	35	35			50	.005	1.0	25†							T09
	1979815	500	.50	.25\$J	60	50	20			.10Ø	5.0	1.0	13	b2.0	60	10			X3
	2028360-1	250	.25Δ	.40\$S	50	30	20	100	1.0	.50	3.0Ø	36Δ†	400	4000			110Ø		T05
	2028360-2	250	600	.4\$J	30	30	50		.005Ø	.50	3.0Ø	50	b.80	120		15	60Ø		T05
	2028360-5	250		.40\$J	50	35	20	50	1.0Ø	5.0Ø	3.0Ø	28	40	1700		70			T05
	2028360-6	250		.40\$J	50	35	20	50	1.0Ø	5.0Ø	3.0Ø	28	40	1700		70			T05
	2041821-5	5.0WØ	1.20	.036Ø	J	60	60	60		.10Ø	5.0	1.0	20	b1.2	30	4.0		A	X3
	2041821-6	5.0WØ	1.20	.036Ø	J	110	110	110		.10Ø	5.0	1.0	20	b1.2	30	4.0		A	X3
	2264043	400		.44\$J	15	15	15	100	.01	Vsat-3.0 mV at 1 uA						20	Ø		T05

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
 □ — MECHANICAL AND ENVIRONMENTAL TEST.
 ♦ — PREFERRED TYPE — MIL-STD 701

5. SILICON NPN—Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$ (Mc)	DERATED X. in Free Air @25°C P_c (mw)	ABSOLUTE MAX. RATINGS @ 25°C.				Max. I_{CBO} @ MAX. V_{CB} @ 25°C. (μ A)	TYPICAL "h" PARAMETERS @ 25°C.						DESCRIPTION Cob STRUCTURE Dwg. No.
					BV _{CBO} (VOLT)	\emptyset BV _{CEO} & BV _{CER} (VOLT)	BV _{EBO} (VOLT)	I_C (ma)	BIAS			COMMON Emitter				
					V _{CB} (VOLT)	\emptyset V _{CE} & IC & IB (ma)	I_E (ma)	h_{fe}	h_{oe} (umho)	h_{ie} (ohm)	h_{re} ($\times 10^{-4}$) (pf)					
	2N117	150	4.00	1.08J	45	1.0	25	2.0 \emptyset	5.0	1.0	15	b.40	42	1.2	7.0	G OV6
▼	2N118	150	5.00	1.08J	45	1.0	25	2.0 \emptyset	5.0	1.0	29	b.40	42	2.5	7.0	G OV6
	JAN2N118	150	2.00	.83\$S	30	1.0		1.0	5.0	1.0	30 Δ	b1.50 \emptyset	90 \emptyset 10 \emptyset 20 \emptyset			OV6
▼	2N118A	150	8.00	.84\$J	45	1.0	25	.10	5.0	1.0	54	b.40	42	4.0	7.0	G OV6
▼	2N119	150	6.00	1.08J	45	1.0	25	2.0 \emptyset	5.0	1.0	63	b.40	42	4.0	7.0	G OV6
▼	2N161	150	5.00	\$S	40	1.0	25	10	4.5	1.0	28				7 \emptyset	G
▼	2N243	750		.17\$J	60			60 1.0 \emptyset	10	5.0	20	b	12	.60		G OV1
▼	2N244	750		.17\$J	60			60 1.0 \emptyset	10	5.0	30	b	12	.60		OV1
▼	2N245	1000 \emptyset	6.00	.13\$J	85	85	2.0	60 1.0 \emptyset	10 \emptyset	5.0	21	b 2 \emptyset 30 \emptyset 3 \emptyset 20 \emptyset	G TO11			
▼	2N332	150	6.00	1.08J	45	1.0	25	2.0 \emptyset	5.0	1.0	15	b.50	55	2.0	7.0	GD TO5
	USN2N332	150	1.00	.83\$S	45	1.0		50	5.0	1.0	12.5	b1.20 \emptyset	80 \emptyset 50 \emptyset 220 \emptyset			TO5
	2N332A	500	10.0	.30\$J	45	45	4.0	25 500	5.0	1.0	16	3.5	750	.70	7.0	D TO5
▼	2N333	150	8.00	1.08J	45	1.0	25	2.0 \emptyset	5.0	1.0	29	b.50	55	3.7	7.0	GD TO5
▼	USN2N333	150	2.00	.83\$S	45	1.0		50	5.0	1.0	20	b1.20 \emptyset	80 \emptyset 100 \emptyset 220 \emptyset			TO5
	2N333A	500	11.0	.30\$J	45	45	4.0	25 500	5.0	1.0	30	5.0	1300	1.0	7.0	D TO5
▼	2N334	150	10.0	1.08J	45	1.0	25	2.0 \emptyset	5.0	1.0	54	b.50	55	3.5	7.0	GD TO5
▼	USN2N334	150	8.00	.83\$S	45	1.0		50	5.0	1.0	25	b1.20 \emptyset	80 \emptyset 100 \emptyset 220 \emptyset			TO5
	2N334A	500	12.0	.30\$J	45	45	4.0	25 500	5.0	1.0	38	6.0	1700	1.3	7.0	D TO5
	2N335	150	11.0	1.08J	45	1.0	25	2.0 \emptyset	5.0	1.0	63	b.30	55	6.0	10	GD TO5
▼♦	USN2N335	150	2.00	.83\$S	45	1.0		50	5.0	1.0	55	b1.20 \emptyset	80 \emptyset 10 \emptyset 20 \emptyset			TO5
▼	2N335A	500	13.0	.30\$J	45	45	4.0	25 500	5.0	1.0	52	7.0	2000	1.5	7.0	D TO5
▼	USN2N335A	500	13.0	.30\$J	45	45	4.0	25 500	5.0	1.0	52	7.0	2000	1.5	7.0	TO5
▼	2N335B	500	13.0	\$J	60	60	4.0	25 500 \emptyset	5.0	1.0	52	7.0	2000	1.5	7.0	† TO5
▼	2N336	150	13.0	1.08J	45	1.0	25	2.0 \emptyset	5.0	1.0	200	b.25	55	7.0	7.0	GD TO5
▼	2N336A	500	15.0	.30\$J	45	45	4.0	25 500	5.0	1.0	95	8.0	3700	2.3	7.0	D TO5
▼	2N337	125	20.0	1.08J	45	30	1.0	20 1.0 \emptyset	20	1.0	22	b.20	50	2.0	2.0	GD TO5
▼♦	USN2N337	125	20.0	1.08J	45	30	1.0	20 1.0 \emptyset	20	1.0	22	b.20	50	2.0	2.0	GD TO5
	2N337A	500	30.0	.30\$J	45	35	2.5	20 50	20	1.0 \emptyset	55	13	2500	2.5	2.0	D TO5
▼	2N338	125	30.0	1.08J	45	30	1.0	20 1.0 \emptyset	20	1.0	24	b.20	50	3.0	2.0	GD TO5
▼♦	USN2N338	125	30.0	1.08J	45	30	1.0	20 1.0 \emptyset	20	1.0	24	b.20	50	3.0	2.0	GD TO5
	2N338A	500	45.0	.30\$J	45	35	2.5	20 50	20	1.0 \emptyset	99	15	3000	2.6	2.0	D TO5
▼	2N339	1000 \emptyset	.13\$J	\$S	55	55	1.0	60 1.0 \emptyset	10	5.0	50	b2.0 \emptyset 30 \emptyset 3.0 \emptyset 30	G TO11			
▼	2N339A	3000 \emptyset		VS	60	60	3.0	1.0 \emptyset	10 \emptyset	1.0	53	b2.0	30	3.0		TO11
▼	2N340	1000 \emptyset		.13\$J	85	85	1.0	60 1.0 \emptyset	10	5.0	50	b2.0 \emptyset 30 \emptyset 3.0 \emptyset	G TO11			
	2N340A	3000 \emptyset		VS	85	85	3.0	1.0 \emptyset	10 \emptyset	1.0	53	b2.0	30	3.0		TO11
▼	2N341	1000 \emptyset		.13\$J	125	85	1.0	60 1.0 \emptyset	10	5.0	50	b2.0 \emptyset 30 \emptyset 3.0 \emptyset	G TO11			
▼	2N341A	3000 \emptyset		VS	125	3.0	1.0 \emptyset	10 \emptyset	10 \emptyset	1.0	53	b2.0	30	3.0		TO11
▼	USN2N341M	750		.17\$S	125	100	1.0	60 50	10 \emptyset	5.0 \emptyset	38	b2.0 \emptyset 30 \emptyset 30 \emptyset 12 \emptyset	TO11			
▼	2N342	1000 \emptyset		.13\$J	60	60	1.0	60 1.0 \emptyset	10	5.0	20	b2.0 \emptyset 30 \emptyset 3.0 \emptyset	TO11			
	JAN2N342	1000	1.00	.13\$S	60	1.0		50	10	5.0	15	b2.0 \emptyset 30 \emptyset 4.0 \emptyset			TO11	
▼	2N342A	1000 \emptyset		.13\$J	85	85	1.0	60 1.0 \emptyset	10	5.0	20	b2.0 \emptyset 30 \emptyset 3.0 \emptyset	G TO11			
▼	2N342B	1000 \emptyset	6.00	.13\$J	85	85	2.0	60 1.0 \emptyset	10 \emptyset	5.0	21	b2.0 \emptyset 30 \emptyset 3 \emptyset 20 \emptyset	G TO11			
▼	2N343	1000 \emptyset		.13\$J	60	60	1.0	60 1.0 \emptyset	10	5.0	50	b2.0 \emptyset 30 \emptyset 3 \emptyset	G TO11			
▼	JAN2N343	1000	1.00	.13\$S	60	1.0		50	10	5.0	45	b2.0 \emptyset 30 \emptyset 4 \emptyset			TO11	
	2N343B	1000 \emptyset	6.00	.13\$J	65	65	2.0	60 1.0 \emptyset	10 \emptyset	5.0	59	b2.0 \emptyset 30 \emptyset 3 \emptyset 20 \emptyset	G TO11			
▼	2N471	200	30.0 \emptyset	.90\$A	30	30	2.0	.50	6.0 \emptyset	1.0	17	b.40	45	2.1	2.4	GD TO5
▼	2N471A	200	8.00 \emptyset	.90\$A	30	30	2.0	2.0	5.0	1.0	6.0 Δ	b1.20 \emptyset 70 \emptyset 5.0			TO5	
▼	2N472	200	30.0 \emptyset	.90\$A	45	45	2.0	.50	6.0 \emptyset	1.0	17	b.40	45	2.1	2.4	GD TO5
▼	2N472A	200	8.00 Δ	\$S	45	45	2.0	.50	5.0	1.0	6.0 Δ	b.60	70 \emptyset 5.0			TO5
▼	2N474	200	30.0 \emptyset	.90\$A	30	30	2.0	.50	6.0 \emptyset	1.0	35	b.40	45	2.2	2.4	GD TO5
▼	2N475	200	11.0	.90\$A	45	45	2.0		6.0	1.0	30					GD TO5
▼	2N479	200	39.0 \emptyset	.90\$A	30	30	2.0	.50	6.0 \emptyset	1.0	60	b.20	45	3.0	2.4	GD TO5
▼	2N480	200	39.0 \emptyset	.90\$A	45	45	2.0	.50	6.0 \emptyset	1.0	60	b.20	45	3.0	2.4	GD TO5
▼	2N480A	200	8.00 Δ	.90\$A	45	45	2.0	.50	5.0	1.0	70	b1.20 \emptyset 45	5.0	2.0 \emptyset	GD TO5	
▼	JAN2N497	800	2.00 \emptyset	.22\$S	60	60	8.0	100	10 \emptyset	200 \emptyset	24 \uparrow					TO5
▼	2N497A	1000 \emptyset		.22\$J	60	60	8.0	100	10 \emptyset	200 \emptyset	36 \uparrow					D TO5
▼	2N498	800	18.0 \emptyset	.22\$J	100	100	8.0	100	10 \emptyset	200	24		500			TO5
▼♦	USN2N498	800	2.00 \emptyset	.22\$S	100	100	8.0	100	10 \emptyset	200 \emptyset	24 \uparrow					TO5
▼	2N498A	1000		.22\$J	100	100	8.0	100	10 \emptyset	200 \emptyset	36 \uparrow					D TO5
▼	2N498/C	800	18.0 \emptyset	.22\$J	100	100	8.0	100	10 \emptyset	200	24		500			D TO5
▼	2N541	200	39.0 \emptyset	.90\$A	15	15	2.0	.50	6.0 \emptyset	1.0	130	b.15	45	3.6	2.4	GD TO5
▼	2N542	200	39.0 \emptyset	.90\$A	30	30	2.0	.50	6.0 \emptyset	1.0	130	b.15	45	3.6	2.4	GD TO5
▼	2N543	200	39.0 \emptyset	.90\$A	45	45	2.0	.50	6.0 \emptyset	1.0	130	b.15	45	3.6	2.4	TO5
▼	2N543A	200	8.00 \emptyset	\$S	45	45	2.0	.50	5.0	1.0	140	b.60	50	5.0	2.0 \emptyset	TO5
▼	2N545	600\$	4.00	.17\$S	60	60	6.0	15	20	100	25 \uparrow					

5. SILICON NPN-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @ 25°C P_c (mw)	$f_{\alpha b}$ (Mc)	DERATE X. in Free Air	M A T E M P.	ABSOLUTE MAX. RATINGS @ 25°C.				TYPICAL "h" PARAMETERS @ 25°C.							Cob STRUCTURE Dwg. No.
						BV _{CBO} (VOLT)	BV _{CEO} (VOLT)	BV _{CES} (VOLT)	BV _{EBO} (VOLT)	I _C (ma)	Max. I _{CBO} @ MAX. V _{CB} @ 25°C. (μ A)	BIAS	COMMON Emitter				
						V _{CB} (VOLT)	β_{VCE}	β_{VCE}	β_{VCE}	β_{VCE}	V _{CB} (VOLT)	I _E (ma)	h_{FE}	h_{oe} (umho)	h_{ie} (ohm)	h_{re} ($\times 10^{-4}$) (pf)	
▼	2N550	600\$	4.00	.17\$S		30	30	6.0		15	6.0	200	35†			80	DA TO5
▼	2N551	600\$	4.00	.17\$S		60	60	6.0		15	6.0	50\$	40†			80	DA TO5
▼	2N552	600\$	4.00	.17\$S		30	30	6.0		15	6.0	50\$	40†			80	DA TO5
▼	2N560	500	50.0	.25\$J		60\$	8.0	100	10\$	5.0\$	100\$	20†△				80	D TO29
▼	JAN2N560	500		.25\$J		60	60\$	8.0	100	10\$	5.0\$	100\$	20†△			80	T05
▼	2N619	275	.20	.54\$J		50	40	20	50	10\$	1.5\$	5.0\$	15			220	A TO5
▼	2N656	800	50.0\$	.22\$J		60	60	8.0		100	10\$	200	60		500	13 PL TO5	
▼	JAN2N656	800	4.00\$	.22\$S		60	60	8.0		100	10\$	200\$	60†				D TO5
▼	2N656A	1000		.22\$A		60	60	8.0			10\$	100\$	60†				13 PL TO5
▼	2N657	800	70.0\$	.22\$J		100	100	8.0		100	10\$	200	60		500	13 PL TO5	
▼	JAN2N657	800	4.00\$	.22\$S		100	100	8.0		100	10\$	200\$	60†				D TO5
▼	2N657A	1000		.22\$A		100	100	8.0			10\$	100\$	60†				D TO5
▼	2N657/C	800	70.0\$	.22\$J		100	100	8.0		100	10\$	200	60		500	13 P TO5	
▼	2N696	600	64.0△	.25\$J		60	40\$	5.0		1.0\$	10\$	150\$	40†#			350	D TO5
▼	USA2N696	600	64.0△	.25\$J		60	40\$	5.0		1.0\$	10\$	150\$	40†#			350	D TO5
▼	2N696A	800	150	.22▼		60		5.0		1.0\$	10\$	5.0\$	45†	b.50	5.4	1.0	20 PLA TO5
▼	2N697	600	80.0△	.25\$J		60	40\$	5.0		1.0\$	10\$	150\$	75†#	12.5	2.2K	3.6	350 D TO5
▼	USA2N697	600	80.0△	.25\$J		60	40\$	5.0		1.0\$	10\$	150\$	75†#	12.5	2.2K	3.6	350 D TO5
▼	2N698	800	64.0△	.22\$J		120	80\$	7.0			0.05\$	10\$	150\$	15†△	b.50	350	2.5/15 PLA TO5
▼	2N698A	800	64.0△	.22\$J		120	80\$	7.0			0.05\$	10\$	150\$	20†#△b.50	350	2.5/15 PLA TO5	
▼	2N699	600	80.0△	.25\$J		120	80\$	5.0		2.0\$	10\$	150\$	40†#	16	750	1.1 20 D TO5	
▼	2N699A	800	180	.22▼		120		5.0		1.0\$	10\$	150\$	80†	b.50	5.4	1.0	15 PLA TO5
▼	2N699B	870	96.0△	.20\$J		120	80	7.0		0.1\$	10\$	150\$	80†#	11	2.8K	3.5	150 PLA TO5
▼	2N702	300	150\$	.50\$S		25	25	5.0	50	5.0	5.0\$	10\$	40†			3.0	ME△TO18
▼	2N703	300	150\$	.50\$S		25	25	5.0	50	5.0	5.0\$	10\$	70†			3.0	ME△TO18
▼	2N706	300		320△	.50\$J		25	20\$	3.0		0.05\$	1.0\$	10\$	20†#△			60 D TO18
▼	USA2N706	300		320△	.50\$J		25	20\$	3.0		0.05\$	1.0\$	10\$	20△			60 DPL TO18
▼	2N706A	300	200\$△	.50\$J		25	15	5.0		10	1.0\$	10\$	20△			3.5 ME TO18	
▼	2N706B	300	400\$	.50\$J		25	20\$	5.0		10	1.0\$	10\$	40†			4.5 ME TO18	
▼	2N706C	360	320△	.49\$J		40	15	5.0	50	1.0\$	1.0\$	10\$	20△			50 ND TO18	
▼	2N707	300	400	.50\$J		56	28\$	4.0			5.0\$	1.0\$	10\$	12†			100 D TO18
▼	2N707A	300	500\$	.50\$J		71	5.0	200	10	1.0\$	10\$	10	30†			4.0 MEA TO18	
▼	2N708A	360	480△	.49\$J		50	20	5.0		0.01\$	1.0\$	10\$	40†△			60 PL TO18	
▼	2N715	500	150\$	.33\$J		50	35\$	5.0		10	1.0\$	150	30†			3.0 ME TO18	
▼	2N716	500	150\$	.33\$J		70	40\$	5.0		10	1.0\$	150	30†			3.0 ME TO18	
▼	2N718	400	80.0△	.38\$J		60	40\$	5.0		1.0\$	10\$	150\$	75†#	12.5	2.2K	3.6	350 D TO18
▼	2N718A	500	96.0△	.35\$J		75	50\$	7.0		0.01\$	10\$	150\$	40†#△b.50	340	30	250	PL△TO18
▼	2N719	400	64.0△	.38\$J		120	80\$	5.0		2.0\$	10\$	150\$	20△	25	600	.90	20 D TO18
▼	2N719A	500	64.0△	.35\$J		120	60	7.0		0.01\$	10\$	150\$	20†#△b.50	350	2.5/15	PLA TO18	
▼	2N720	400	80.0△	.38\$J		120	80\$	5.0		2.0\$	10\$	150\$	80†#	16	750	1.1 20 D TO18	
▼	2N720A	500	80.0△	.35\$J		120	80	7.0		0.01\$	10\$	150\$	40†△#	b.50	300	1.3/15	PLA TO18
▼	2N729	300\$	150	.25\$S		30	30	3.0		5.0	1.0\$	10	7.5			8.0 ME TO18	
▼	2N731	500	50\$△	.67\$J		60	40\$	5.0		100	1.0\$	150\$	80†#			350 PL TO18	
▼	2N734	500	125\$	.30\$J		80	60\$	5.0	100	10	5.0	5.0	35	25	450	.90	5.0 ME TO18
▼	2N735	500	135\$	.30\$J		80	60	5.0	100	10	5.0	5.0	30△	65	660	1.1	5.0 D TO18
▼	2N735A	500	100\$	.29\$J		80	60	6.0		5n\$	5.0\$	5.0\$	40△			1500	4.0 PL TO18
▼	2N736	500	150\$	.30\$J		80	60	5.0	100	10	5.0	5.0	80△	95	1000	1.3	5.0 ME TO18
▼	2N736A	500	100\$△	.30\$J		80	60	8.0	100	10	5.0	5.0	140	95	1800	1.3	6.0 D TO18
▼	2N736B	500	100\$	.29\$J		80	60	8.0		5n\$	5.0\$	5.0\$	80△			1800	4.0 PL TO18
▼	2N738	500	30\$△	.30\$J		125	80	5.0	100	10	5.0\$	5.0	35	25	450	.90	5.0 ME TO18
▼	2N739	500	135\$	.30\$J		125	80	5.0	100	10	5.0\$	5.0	70	65	660	1.1	5.0 ME TO18
▼	2N739A	500	100\$	.29\$J		125	80	8.0		5n\$	5.0\$	5.0\$	40△			1500	4.0 PL TO18
▼	2N740	500	150\$	.30\$J		125	80	5.0	100	10	5.0\$	5.0	140	95	1000	1.3	5.0 ME TO18
▼	2N740A	500	100\$	.29\$J		125	80	8.0		5n\$	5.0\$	5.0\$	80△			1800	4.0 PL TO18
▼	2N742	500		.25\$A		60	60\$	8.0	100	10	5.0\$	100\$	20△			80	MEA△ TO18
▼	2N744	300	400\$	.50\$S		20	12	5.0	200		3.5\$	10\$	80†				50 EME TO18
▼	2N745	150	30.0	1.0\$J		45	30	1.0	20	1.0\$	20	1.0	55	b.10	47	1.8	1.4 PD u2
▼	2N746	150	45.0	1.0\$J		45	30	1.0	20	1.0\$	20	1.0	99	b.10	47	1.8	1.4 PD u2
▼	2N748	200	50.0	1.0\$J		30	30\$	3.0	50	1.0\$	10\$	1.0\$	30†			4.0 PD u2	
▼	2N749	200	75.0	.75\$J		45	1.5	50	50	5.0\$	6.0\$	1.0	7.0△			4.0 PD† u2	
▼	2N750	200	40.0	.75\$J		50	50\$	5.0	50	5.0\$	6.0\$	1.0	4.0△	200	500		4.0 PD† u2
▼	2N753	300	400\$	.50\$J		25	15	5.0		10	1.0\$	10\$	80†			3.5 ME TO18	
▼	2N754	300	45.0	.50\$J		60	60\$	3.0	50	1.0	10\$	1.0	40	b.35	40	2.0	10\$ ME TO18
▼	2N755	300	45.0	.50\$J		100	80\$	3.0	50	1.0	10\$	1.0	40	b.35	40	2.0	10\$ ME TO18
▼	2N756	500	50.0△	.35\$A		45	45	6.0	100	50	5.0\$	1.0	18	b1.0	80\$	10\$	80\$ ME TO18
▼	2N756A	500	100	.50\$J		60	60	6.0	100	50	5.0	1.0	19	b1.0	80\$	10\$	5.0 ME TO18
▼	2N757	500	50.0△	.35\$A		45	45	6.0	100	50	5.0\$	1.0	30	b1.0	80\$	0.9\$	80\$ ME TO18
▼	2N757A	500	100	.50\$J		60	60	6.0	100	50	5.0\$	1.0	29	b1.0	80\$	10\$	5.0 ME TO18
▼	2N758	500	50.0△	.35\$A		45	45	8.0	100	50	5.0\$	1.0	54	b1.0	80\$	10\$	80\$ ME TO18

5. SILICON NPN-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C Pc (mw)	f _{αb} (Mc)	DERATE in Free Air T E M P. (°C/mw)	M AX. BV CBO BV CES BV CER (VOLT)	BV CEO BV EBO (VOLT)	I C (ma)	ABSOLUTE MAX. RATINGS @ 25°C.			Max. I _{CBO} @ MAX. V _{CB} @ 25°C. (μa)	TYPICAL "h" PARAMETERS @ 25°C.						DESCRIPTION			
												BIAS		COMMON Emitter							
									V _{CB} (VOLT)	I _E ∅-IC Δ-IB (ma)	h _{fe} t-hFE	hoe (umho)	hie (ohm)	hre (×10 ⁻⁴) (pf)							
	2N758A	500	100	.35\$J	60	60	8.0	100	.10∅	5.0	1.0	54	b 1∅	80∅	10∅	5.0	ME	TO18			
	2N758B	500	50.0	.29\$J	60	60	8.0		5r∅	5.0∅	1.0∅	18Δ	b1.0	30	6.0	4.0	PL	TO18			
	2N759	500	50.0Δ	.35\$A	45	45	8.0	100	50	5.0∅	1.0	63	b1.0∅	80∅	10∅	8∅	ME	TO18			
	2N759A	500	100	\$J	60	60	8.0	100	50	5.0	1.0	63	b1.0∅	80∅	10∅	5.0	ME	TO18			
	2N759B	500	50.0	.29\$J	60	60	8.0		5r∅	5.0∅	1.0∅	36Δ	b1.0	30	6.0	4.0	PL	TO18			
	2N760	500	50.0Δ	.35\$A	45	45	8.0	100	50	5.0∅	1.0	204	b1.0∅	80∅	10∅	8∅	ME	TO18			
	2N760A	500	100	\$J	60	60	8.0	100	50	5.0	1.0	204	b1.0∅	80∅	10∅	5.0	ME	TO18			
	2N760B	500	50.0	.29\$J	60	60	8.0		5r∅	5.0∅	1.0∅	76Δ	b1.0	30	6.0	4.0	PL	TO18			
	2N761	500	100	.35\$A	45	30	6.0	100	50	20	1.0∅	19Δ	b1.0∅	80∅	20∅	4.0	ME	TO18			
	2N762	500	100	.35\$A	45	30	6.0	100	50	20	1.0∅	39Δ	b1.0∅	80∅	2.0	4.0	MEΔ	TO18			
	2N780	300	100\$	2.0\$J		45			.01	5.0∅	0.03∅	20Δ				3.0	ME∅	TO18			
	2N784	300	200\$Δ	.50\$J	30	15	5.0	200	.25∅	1.0∅	10∅	25Δ				3.5∅	ME	TO18			
	2N784A	360	300\$Δ	.50\$VJ	40	20\$	5.0	200	100	1.0∅	10∅	88†				3.5∅		TO18			
	2N789	150	6.00	1.0\$J	45		1.0	25	2.0∅	5.0∅	1.0∅	20∅	b.50	50	2.0	5.0	PDA	u2			
	2N834	300	500\$	.50\$J	40	30	5.0	200	.50∅	1.0∅	10∅	40†				2.8	ME	TO18		
	2N835	300	450\$	.50\$	25	20	3.0	200	.50∅	1.0∅	10∅	40†				2.8	ME	TO18		
	2N839	300	30.0\$	.50\$J	45	45\$	2.0	50	1.0	5.0∅	1.0∅	35	b.35	40	2.0	8.0	ME†	TO18		
	2N840	300	30.0\$	.50\$J	45	45\$	2.0	50	1.0	5.0∅	1.0∅	70	b.35	40	2.0	8.0	ME†	TO18		
	2N841	300	40.0\$	.50\$J	45	45\$	2.0	50	1.0	5.0∅	1.0∅	140	b.35	40	2.0	8.0	ME†	TO18		
	2N842	300	30.0\$	.50\$J	45	45\$	2.0	50	1.0	5.0∅	1.0∅	20Δ	b.35	40	2.0	6.0	MEΔ	TO18		
	2N843	300	40.0\$	.50\$J	45	45\$	2.0	50	1.0	5.0∅	1.0∅	40Δ	b.35	40	2.0	6.0	MEΔ	TO18		
	2N844	300	50.0\$	.50\$J	60	60\$	3.0	50	1.0	10∅	1.0∅	80	b.35	40	2.0	6.0	MEΔ	TO18		
	2N845	300	50.0\$	.50\$J	100	80\$	3.0	50	1.0	10∅	1.0∅	80	b.35	40	2.0	6.0	MEΔ	TO18		
	2N870	500	80.0Δ	.35\$J	100	60	7.0		.01∅	10∅	150∅	75†#	9.0	2.3K	3.0	15∅	PLA	TO18			
	2N902	150	6.00	1.0\$J	45		1.0	25	2.0∅	5.0∅	1.0∅	20∅	b.50	50	2.0	5.0	PD	u10			
	2N907	150	30.0	.75\$J	45		1.0	20	50	5.0∅	1.0∅	35†	b.10	47	1.8	1.4	PD	u10			
	2N908	150	45.0	.75\$J	45		1.0	20	50	5.0∅	1.0∅	75†	b.10	47	1.8	1.4	PD	u10			
	2N909	400	80.0Δ	.38\$J	60	30\$	5.0		1.0∅	10∅	50∅	110†Δ#b.5∅	35∅	8∅	35∅	DA	TO18				
	2N910	500	96.0Δ	.35\$J	100	60	7.0		.025∅	5.0∅	1.0∅	125	b.13	26	.75	15∅	PL†	TO18			
	2N911	500	80.0Δ	.35\$J	100	60	7.0		.025∅	5.0∅	1.0∅	65	b.13	25	.45	15∅	PL†	TO18			
	2N912	500	64.0Δ	.35\$J	100	60	7.0		.025∅	5.0∅	1.0∅	38	b.13	26	.30	15∅	PL	TO18			
	2N913	360	350	\$J	25		5.0		.05	1.0∅	10∅	75†				6.0	PLE	TO18			
	2N915	360	400Δ	.49\$J	70	50	5.0		.01∅	5.0∅	10∅	50†#△				3.5∅	PL	TO18			
	2N916	360	480Δ	.49\$J	45	25	5.0		.01∅	1.0∅	10∅	40†#△				6∅	PL	TO18			
	2N919	360	400\$	16\$J	25	15	5.0	220	10	10∅	10	4.0				5.0	ME	TO18			
	2N920	360	400\$	16\$J	25	15#	5.0	220	10	10∅	10	4.0				5.0	ME	TO18			
	2N921	360	400\$	16\$J	50	20	5.0	200	10∅	10∅	10∅	4.0				4.0	ME	TO18			
	2N929	300	30.0Δ	.50\$J	45#	5.0	30		.01∅	5.0∅	1.0∅	60Δ	b 1∅	32∅	6∅	8∅	PL∅	TO18			
	2N929A	500	100\$	.29\$J	60	45	6.0		2n∅	5.0∅	1.0∅	60	b 1.0	28	6.0	4.0	PL∅	TO18		
	2N930	300	30.0Δ	.50\$J	45#	5.0	30		.01∅	5.0∅	1.0∅	150Δ	b 1∅	32∅	6∅	8∅	PL∅	TO18			
	2N930A	500	100\$	.29\$J	60	45	6.0		2n∅	5.0∅	1.0∅	150	b 1.0	28	6.0	4.0	PL∅	TO18		
▼	2N953	750		.33\$J	120		40	8.0	10	5.0	55	b 2.0∅	30∅	3∅		OV7					
	2N956	500	110Δ	.35\$J	75	50\$	7.0		.01∅	10∅	150∅	100†Δ#b.5∅	34∅	5∅	25∅	PL∅	TO18				
	2N958	250	200	\$J	25	15	5.0		10	10∅	10∅	2.0Δ				7∅	ME	u5			
	2N988	300	300\$	.50\$J	20	20\$	3.0	220	.50	1.0∅	10∅	20Δ				4.0	ME	TO18		
▼	2N1051	500	120	.25\$J	40	8.0	100	.10∅	5.0∅	5.0∅	40	b.52	5.8	14	7∅	D	TO29				
	USN2N1051	500	80.0\$	.25\$S	40	8.0			.10∅	5.0∅	5.0	65				50	DA	T05		
	2N1055	3000∅	4.00		100	100	6.0		15	20	50∅	3.0				80	D	T05			
	2N1074	275	.20	.54\$J	50	40	20	50	1.0∅	5.0∅	5.0∅	15		15	1000	35	A	T05			
	2N1076	250	.30	.54\$J	50		20	100	1.0∅	5.0∅	5.0	60		30	3500	35	A	T05			
	2N1116	600\$	4.00	.29\$J	60	60	6.0		15	6.0	500	65				80	DA	T05			
	2N1117	600\$	4.00	.29\$J	60	60	6.0		15	6.0	200	65				80	DA	T05			
	2N1149	150	12.0	1.0\$S	45		1.0	25	2.0∅	5.0	1.0	13	b.40	42	1.2	7.0	G	OV9			
	2N1149/903	150	4.00	\$S	45		1.0	25	50	5.0	1.0	12.5	b.40	42	1.2	7.0	G	OV9			
	2N1150	150	13.0	1.0\$S	45		1.0	25	2.0∅	5.0	1.0	24	b.40	42	2.5	7.0	G	OV9			
	2N1151	150	14.0	1.0\$J	45		1.0	25	2.0∅	5.0	1.0	39	b.40	42	4.0	7.0	GD	OV9			
	2N1152	150	15.0	1.0\$J	45		1.0	25	2.0∅	5.0	1.0	49	b.40	42	4.0	7.0	GD	OV9			
	2N1153	150	16.0	1.0\$J	45		1.0	25	2.0∅	5.0	1.0	99	b.40	42	4.0	7.0	GD	OV9			
	2N1154	750∅	1.00	.17\$	50		1.0	60	5.0	10	5.0	19	2.0∅	30∅	3∅		GD	OV9			
	2N1155	750∅	1.00	.17\$	80		1.0	50	6.0	10	5.0	19	2.0∅	30∅	3∅		G	OV9			
	2N1156	750∅	1.00	.17\$J	120		1.0	40	8.0	10	5.0	15	b 1.0	12	3∅		G	OV9			
	2N1156/953	750	167\$J	120					40	8.0	10	5.0	10Δ	b 2.0∅	30∅	30∅		G	OV1		
	2N1199	150	125\$	.83\$S	20		3.0	100	10	1.0∅	20∅	25†				1.2	D	TO9		
	2N1206	3000∅	20.0	.35\$J	60	60	3.0		1.0∅	10∅	5.0	35	b 2.0	30	3.0		T05				
	2N1207	3000∅	20.0	.35\$J	125	125	3.0		1.0∅	10∅	5.0	35	b 2.0	30	3.0		T05				
	2N1249	30	5.00	4.0\$	6.0		2.0	5.0		3.0	0.02∅	38		50		7.0					
	2N1252	600	64.0Δ	.25\$J	30	20\$	5.0		10∅	10∅</td											

5. SILICON NPN-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	$f_{\alpha b}$ (Mc)	DERATE in Free Air @25°C P_c (mw)	M A. X. T E M P. (°C/mw)	ABSOLUTE MAX. RATINGS @ 25°C.				Max. I_{CBO} @ MAX V_{CB} @ 25°C. (μA)	TYPICAL "h" PARAMETERS @ 25°C.						Cob	DESCRIPTION	
					BV CBO	\emptyset BV CES	BV EBO	I_c		BIAS			COMMON Emitter				STRUCTURE	Dwg. No.
					(VOLT)	(VOLT)	(VOLT)	(ma)		\emptyset - V_{CE}	I_E	\emptyset - I_C	\emptyset - HFE	h_{fe}	h_{oe}	h_{ie}	h_{re}	
	2N1253A	800	80.0	.22\$J	60				100	1500	60†							MED T05
	2N1276	150	30.0	.83\$J	40	30	1.0	25	1.0	5.0	1.0	14	b.37	44	2.4	2.0	GD T05	
	2N1277	150	30.0	.83\$J	40	30	1.0	25	1.0	5.0	1.0	33	b.30	44	2.6	2.0	GD T05	
▼	2N1278	50	30.0	.83\$J	40	30	1.0	25	1.0	5.0	1.0	66	b.18	44	2.3	2.0	GD† T05	
	2N1335	850	170	\$J	120	90\$	4.0	75	7500	500	300	13					4.0 MED T016	
	2N1336	800	170	\$J	120	90\$	4.0	300	7500	500	300	13					4.0 MED T05	
	2N1337	850	170	\$J	120	90\$	4.0	75	7500	500	300	13					4.0 MED T05	
	2N1339	850	220*	\$J	120	100\$	3.0	75	7500	500	300	13					4.0 MED T016	
	2N1340	800	250*	\$J	150	100	5.0	75	100	1.00	500	5.0†#Δ					4.0 ME T05	
	2N1341	850	280*	\$J	120	100\$	3.0	75	4.50	500	300	13					4.0 MED T016	
	2N1342	800	260	\$J	150	125\$	5.0		100	5.00	300	1.0Δ					5.0 ME T05	
	2N1387	300	50.0	.50\$J	30	30	3.0	50	.100	5.00	100	30†					4.0 PD T05	
	2N1409A	800	230	\$J	30	25\$	4.0	500	100	100	150	45					35/ PLA T05	
▼	2N1418	150	34.0\$	.83\$A	30	30	2.0		1.0	6.00	1.0	60	b.33	50	2.5	1.5	T05
	2N1420	600	80.0Δ	.29\$J	60	30\$	5.0		1.00	100	1500	150†#					35/ D T05	
	2N1420A	800	100Δ	\$J	60	40\$	7.0		.010	100	1500	100†#Δ					25/ PLA T05	
	2N1492	500	275	.30\$A	60	60	2.0	50	100	200	150	50					5.0 ME T012	
	2N1493	500	300	.30\$A	100	100	4.5	50	100	200	150	50					5.0 ME T012	
	2N1564	600	120\$	.25\$J	80	60#	5.0	100	10	5.00	5.0	35		25	450	.90	5.0 ME T05
	2N1565	600	135\$	.25\$J	80	60#	5.0	100	10	5.00	5.0	70		65	660	1.1	5.0 ME T05
	2N1566	600	150\$	.25\$J	80	60#	5.0	100	10	5.00	5.0	140		95	1000	1.3	5.0 ME T05
	2N1566A	600	200\$	.30\$J	80	60#	80	100	10	5.00	5.0	140		95	1000	1.3	6/ D T05
	2N1572	600	125\$	.25\$J	125	80#	5.0	100	10	5.00	5.0	35		25	450	.90	5.0 ME T05
	2N1573	600	150\$	.25\$J	125	80#	5.0	100	10	5.00	5.0	70		65	660	1.1	5.0 ME T05
▼	2N1574	600	175\$	.25\$J	125	80#	5.0	100	10	5.00	5.0	140		95	1000	1.3	5.0 ME T05
	2N1588	150	4.00		60					5.00	1.0	18					G OV9	
	2N1590	150	6.00		30					5.00	1.0	50					G OV9	
▼	2N1591	150	6.00		60					5.00	1.0	50					G OV9	
	2N1592	150	7.00		15					5.00	1.0	140					G OV9	
	2N1593	150	7.00		30					5.00	1.0	140					G OV9	
▼	2N1594	150	7.00		60					5.00	1.0	140					G OV9	
	2N1613	800	130	.22\$J	75	50\$	7.0		.010	100	1500	80†#	12.5	2.2K	3.6	25/ PL†Δ T05		
	USN2N1613	800	60.0\$Δ	.22\$J	75	30	7.0		100	100	1500	80†	b.500	34/	3/	25/	T05	
	2N1615	600		.18\$S	100	100	8.0	200	2.00	100	5.00	25†Δ					100/ T05	
	2N1644	600	150	.25\$J	60		5.0		1.0	10	150	75†					20/ PL T05	
	2N1644A	600	150	.25\$J	60		5.0		1.0	10	15	75†					20/ ME T05	
	2N1700	50000	1.20	.04\$A	60	40	6.0	1A	75	4.00	5.00	40					150 T05	
	2N1704	500	5.00	.30\$	45	45	6.0	50	.10	5.0	1.0	50†Δ	1.2	55			15 T05	
	2N1708	300	200\$Δ	.50\$	25	20\$	3.0	200	0.250	1.00	100	20Δ					6/ EPL T046	
▼	2N1711	800	160	.22\$J	75	50\$	7.0		.010	100	1500	130†#	23.8	4.4K	7.3	25/ PL†Δ T05		
	2N1889	800	80.0Δ	.22\$J	100	60	7.0		.010	100	1500	75†#	9.0	2.3K	3.0	15/ PLA T05		
	2N1890	800	96.0Δ	.22\$J	100	60	7.0		.010	100	1500	130†#	16.5	3.5K	4.6	15/ PLA T05		
▼	2N1893	800	80.0Δ	.22\$J	120	80	7.0		.010	100	1500	80†#	11	2.8K	3.5	15/ PLA T05		
	USN2N1893	800	60.0\$	.22\$J	120	80	7.0		100	100	1500	80†	b.500	30/	125/ 16/	T05	
	2N1893A	800	110	.22\$J	140	80	7.0	700	.010	100	500	5.0Δ					8/ PLA T05	
	2N1958	600	100\$Δ	.20\$	60	40\$	5.0	500	100	100	1500	40†#					18/ D T05	
	2N1958A	600	100\$	.25\$J	60	40\$	5.0	500	100	100	1500	80†#					14/ D T05
	2N1958/18J	300	100\$Δ	.20\$J	60	40\$	5.0	500	100	100	1500	80Δ#					18/ E TO18	
	2N1959	600	100\$Δ	.20\$	60	40\$	5.0	500	100	100	1500	80†#					18/ D TO5	
	2N1959/18J	300	100\$	.25\$J	60	40\$	5.0	500	100	100	1500	80Δ#					18/ E TO18
	2N1962	400	200\$Δ	.38\$J	40	20	5.0	200	100	1.00	100	50†					3.5/ E ul	
	2N1962/48J	400	200\$Δ	.38\$J	40	20	5.0	200	100	1.00	100	50†					3.5/ E TO46	
	2N1965	400	100\$Δ	.38\$J	60	40\$	5.0	500	100	100	1500	80					18/ E ul	
	2N1972	600	80.0Δ	.25\$J	60	30\$	5.0		1.00	100	500	110†#Δ b.5/	35/	8/			35/ DΔ T05	
	2N1973	800	96.0Δ	.22\$J	100	60	7.0		.025	25.00	1.00	125	b.13	26	.75		15/ PL† T05	
	2N1974	800	80.0Δ	.22\$J	100	60	7.0		.025	25.00	1.00	65	b.13	25	.45		15/ PL† T05	
	2N1975	600	64.0Δ	.22\$J	100	60	7.0		.025	25.00	1.00	38	b.13	26	.30		15/ PL† T05	
	2N1983	600	64.0Δ	.21\$J	50	25	5.0		5.00	5.00	1.00	70Δ	b.1/	30/	7/		45/ D T05	
	2N1984	600	64.0Δ	.21\$J	50	25	5.0		5.00	5.00	1.00	35Δ	b.1/	30/	5/		45/ D T05	
	2N1988	600	64.0Δ	.21\$J	100	45	5.0		5.00	100	300	35†Δ#					20/ D T05	
	2N2008	800	30.0	.21\$J	175	110	8.0		2.00	50	5.00	65	b.25	6.0	.70		7.0 T05	
	2N2087	600	225\$	.25\$S	120	80\$	5.0	500	100	1.0	150	65†					7.4 E T05
	2N2192	800	130\$	.22\$J	60	40	5.0	1A	.010	100	1500	150†#	b.128	6.0	.81		20/ PEΔ T05
	2N2192A	800	130\$	.22\$J	60	40	5.0	1A	.010	100	1500	150†#	b.12	6.0	.81		20/ PEΔ T05
	2N2193	800	130\$	.22\$J	80	8.0	1A	.010	100	1500	150†#	b.171	6.0	.84		20/ PEΔ T05	
	2N2193A	800	130\$	.22\$J	80	8.0	1A	.010	100	1500	150†#	b.171	6.0	.84		20/ PEΔ T05	
	2N2194	800	130\$	.22\$J	60	5.0	1A	.010	100	1500	40†#	b.17	6.1	.63		20/ PEΔ T05	
	2N2194A	800	130\$	.22\$J	60	5.0	1A	.010	100	1500	40†#	b.17	6.1	.63		20/ PEΔ T05	
	2N2195	600	130\$	.29\$J	45	5.0	1A	.100	100	1500	20†#b.23	6.0	1.00			20/ PEΔ T05	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

5. SILICON NPN-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$ (Mc)	DERATE X. in Free Air T E M P. (°C/mw)	ABSOLUTE MAX. RATINGS @ 25°C.					Max. I_{CBO} @ MAX. V_{CB} @ 25°C. (μA)	TYPICAL "h" PARAMETERS @ 25°C.						DESCRIPTION Cob STRUCTURE Dwg. No.	
					M A	BV _{CBO}	\emptyset BV _{CES}	BV _{EBO}	I_c		BIAS			COMMON Emitter				
					BV _{CBO}	\emptyset BV _{CES}	\emptyset -BV _{CER}	(VOLT)	(VOLT)		V_{CB}	\emptyset -V _{CE}	I_E	\emptyset -IC	Δ -IB	h_{fe}	h_{oe}	h_{ie}	$h_{re}$
2N2195A	600	130 $\frac{1}{2}$	.29 $\frac{1}{2}$ J	45	5.0	1A	.10 \emptyset	10 \emptyset	150 \emptyset	20 \dagger	b.231	6.0	1.0 \emptyset	20 \emptyset	PEΔ	T05	
2N2205	300	200 $\frac{1}{2}$ A	.50 $\frac{1}{2}$ J	25	20 $\frac{1}{2}$	3.0	200	.025 \emptyset	1.0 \emptyset	10 \emptyset	20 Δ				6 \emptyset	EPL	T018	
2N2214	250 \emptyset	200	$\frac{1}{2}$ J	25	15	5.0	.005 \emptyset	1.0 \emptyset	10 \emptyset	2.0 Δ					7 \emptyset	PL	T051	
2N2217	800	400 $\frac{1}{2}$	.18 $\frac{1}{2}$ J	60	30	5.0	.01 \emptyset	10 \emptyset	150 \emptyset	40 \dagger					4.0	PLE	T05
2N2218	800	400 $\frac{1}{2}$	.18 $\frac{1}{2}$ J	60	30	5.0	.01 \emptyset	10 \emptyset	150 \emptyset	80 \dagger					4.0	PLE	T05
2N2219	800	400 $\frac{1}{2}$	.18 $\frac{1}{2}$ J	60	30	5.0	.01 \emptyset	10 \emptyset	150 \emptyset	150 \dagger					4.0	PLE	T05
2N2220	500	400 $\frac{1}{2}$	.30 $\frac{1}{2}$ J	60	30	5.0	.01 \emptyset	10 \emptyset	150 \emptyset	40 \dagger					4.0	PLE	T018
2N2239	1000	2.50	#J	60	50		500	10 \emptyset	10	200 \emptyset	50							
2N2242	360	300 $\frac{1}{2}$	.50	40	15	5.0	.10	1.0 \emptyset	10	80 \dagger					6.0	PE	T018
2N2243	800	130 $\frac{1}{2}$	.22 $\frac{1}{2}$ J	120	80	7.0	1A	.01 \emptyset	10 \emptyset	150 \emptyset	80 \dagger #				15 \emptyset	PEΔ	T05
2N2243A	800	130 $\frac{1}{2}$	.22 $\frac{1}{2}$ J	120	80	7.0	1A	.01 \emptyset	10 \emptyset	150 \emptyset	80 \dagger #				15 \emptyset	PEΔ	T05
2N2245	500	60.0 Δ	.35 $\frac{1}{2}$ S	20	20	6.0	100	.01 \emptyset	4.0 \emptyset	.002 \emptyset	20 \dagger	50 \emptyset			8 \emptyset	ME	T018	
2N2248	500	60.0 Δ	.35 $\frac{1}{2}$ S	45	45	6.0	100	.01 \emptyset	4.0 \emptyset	.002 \emptyset	20 \dagger	50 \emptyset			8 \emptyset	ME	T018	
2N2251	500	60.0 Δ	.35 $\frac{1}{2}$ S	20	20	6.0	100	.01 \emptyset	4.0 \emptyset	.002 \emptyset	20 \dagger	30 \emptyset			8 \emptyset	ME \emptyset	T018	
2N2254	500	60.0 Δ	.35 $\frac{1}{2}$ S	45	45	6.0	100	.01 \emptyset	4.0 \emptyset	.002 \emptyset	20 \dagger	30 \emptyset			8 \emptyset	ME \emptyset	T018	
2N2297	800	96.0 Δ	.22 $\frac{1}{2}$ J	80	35	7.0	.01 \emptyset	10 \emptyset	150 \emptyset	40 \dagger #	3.5	1.3K	1.0	12 \emptyset	PLE	T05		
2N2311	400	150	.35 ∇ J	100	8.0		10 \emptyset	10 \emptyset	200 \emptyset	20 \dagger				14	PL	T046		
2N2312	400	150	.35 ∇ J	60	60	8.0	10 \emptyset	10 \emptyset	200 \emptyset	60 \dagger	500 \emptyset			14	PL	T046		
2N2313	400	150	.35 ∇ J	100		8.0	10 \emptyset	10 \emptyset	200 \emptyset	60 \dagger				14	PL	T046		
2N2314	400	150	.35 $\frac{1}{2}$ J	60		8.0	1.0 \emptyset	10 \emptyset	15 \emptyset	45 \dagger	b.5	5.4	1.0	20	PL	T046		
2N2317	350	160	.43 $\frac{1}{2}$ J	75		7.0	.01 \emptyset	10 \emptyset	150 \emptyset	80 \dagger				18	PL \dagger	T046		
2N2368	360	640 Δ	.49 $\frac{1}{2}$ J	40	15	4.5	500	4.0 \emptyset	1.0 \emptyset	10 \emptyset	40 \dagger				4 \emptyset	PEΔ	T018	
2N2380	600	270 $\frac{1}{2}$	.25 $\frac{1}{2}$ J	80	40	5.0	500	100	5.0 \emptyset	150 \emptyset	70 \dagger				7.4	EME	T05
2N2380A	600	270 $\frac{1}{2}$	.25 $\frac{1}{2}$ J	80	40	5.0	500	100	5.0 \emptyset	150 \emptyset	70 \dagger				7.4	EME	T05
2N2388	1000 \emptyset	30.0 \emptyset			45		30	5.0 \emptyset	10 \emptyset	200 \emptyset						PL	T050	
2N2389	2000 \emptyset				35		600	10 \emptyset	150 \emptyset	80 \dagger						PL	T050	
2N2390	2000 \emptyset				35		600	10 \emptyset	150 \emptyset	200 \emptyset						PL	T050	
2N2395	2000 \emptyset				40			10 \emptyset	150 \emptyset	40 \dagger						PL	T050	
2N2413	300	400 $\frac{1}{2}$	.50 $\frac{1}{2}$ J	40	18#	5.0	200	10	10 \emptyset	10 \emptyset	75 \dagger				3.0	EME	T018
2N2427	500	50.0	$\frac{1}{2}$ J	40		4.0	50	.50	3.0	.01	20 \dagger							T018
2N2433	800	60.0 $\frac{1}{2}$	.22 $\frac{1}{2}$ J	75	45	7.0	1A	1n \emptyset	10	5.0	90	b.30	6.0	1.5 $\frac{1}{2}$ 20 \emptyset		PL \emptyset	AT046
2N2434	800	90.0 $\frac{1}{2}$	.22 $\frac{1}{2}$ J	75	45	7.0	1A	1n \emptyset	10	5.0	185	b.80	6.0	2.5 $\frac{1}{2}$ 80 \emptyset		PL \emptyset	AT046
2N2435	800	80.0 $\frac{1}{2}$	.22 $\frac{1}{2}$ J	120	80	7.0	500	1n \emptyset	10	5.0	45 Δ	b.5 \emptyset	6.0	1.5 $\frac{1}{2}$ 15 \emptyset		PL \emptyset	AT046
2N2436	800	90.0 $\frac{1}{2}$	.22 $\frac{1}{2}$ J	120	80	7.0	500	1n \emptyset	10	5.0	185	b.5 \emptyset	6.0	2.5 $\frac{1}{2}$ 15 \emptyset		PL \emptyset	AT046
2N2437	800	70.0 $\frac{1}{2}$	.22 $\frac{1}{2}$ J	100	75	7.0	500	1n \emptyset	10	5.0	35	b.1 \emptyset	6.0	1.8 $\frac{1}{2}$ 15 \emptyset		PL \emptyset	TO46
2N2438	800	80.0 $\frac{1}{2}$	.22 $\frac{1}{2}$ J	100	75	7.0	500	1n \emptyset	10	5.0	70	b.1 \emptyset	6.0	1.8 $\frac{1}{2}$ 15 \emptyset		PL \emptyset	TO46
2N2439	800	90.0 $\frac{1}{2}$	.22 $\frac{1}{2}$ J	100	75	7.0	500	1n \emptyset	10	5.0	140	b.1 \emptyset	6.0	2.5 $\frac{1}{2}$ 15 \emptyset		PL \emptyset	TO46
2N2440	800	90.0 $\frac{1}{2}$	.22 $\frac{1}{2}$ J	120	80	7.0	500	1n \emptyset	10	5.0	185	b.5 \emptyset	6.0	2.5 $\frac{1}{2}$ 15 \emptyset		PL \emptyset	AT05
2N2443	800	80.0 Δ	.22 $\frac{1}{2}$ J	120	100	7.0	.01 \emptyset	10 \emptyset	500	50 \dagger #	b.11	27	.36	15 \emptyset		PL	T05	
2N2459	400	150 $\frac{1}{2}$	.23 $\frac{1}{2}$ J	100	60	8.0	2n \emptyset	5.0 \emptyset	5.0 \emptyset	40 \dagger	30	800			5 \emptyset	PL	T046
2N2460	400	150 $\frac{1}{2}$	.23 $\frac{1}{2}$ J	100	60	8.0	2n \emptyset	5.0 \emptyset	5.0 \emptyset	70 \dagger	60	1200			5 \emptyset	PL	T046
2N2461	400	150 $\frac{1}{2}$	.23 $\frac{1}{2}$ J	100	60	8.0	2n \emptyset	5.0 \emptyset	5.0 \emptyset	120 \dagger	90	1800			5 \emptyset	PL	T046
2N2463	500	150 $\frac{1}{2}$	.29 $\frac{1}{2}$ J	100	60	8.0	2n \emptyset	5.0 \emptyset	5.0 \emptyset	40 \dagger	30	800			5 \emptyset	PL	T018
2N2464	500	150 $\frac{1}{2}$	.29 $\frac{1}{2}$ J	100	60	8.0	2n \emptyset	5.0 \emptyset	5.0 \emptyset	70 \dagger	60	1200			5 \emptyset	PL	T018
2N2465	500	150 $\frac{1}{2}$	.29 $\frac{1}{2}$ J	100	60	8.0	2n \emptyset	5.0 \emptyset	5.0 \emptyset	120 \dagger	90	1800			5 \emptyset	PL	T018
2N2476	600	250 $\frac{1}{2}$ A	.29 $\frac{1}{2}$ J	60	20	5.0		10	.40	150	20 \dagger				10	PE	T05	
2N2478	600	275 $\frac{1}{2}$ S	.25 $\frac{1}{2}$ S	120	5.0	500	2.0 \emptyset	1.5 \emptyset	150 \emptyset	70				12	MEΔ	T05		
2N2479	600	275 $\frac{1}{2}$ S	.25 $\frac{1}{2}$ S	80	5.0	500	4.0 \emptyset	1.5 \emptyset	150 \emptyset	70				14	MEΔ	T05		
2N2484	360	96.0 Δ	.49 $\frac{1}{2}$ J	60	60	6.0	.01 \emptyset	5.0 \emptyset	.01 \emptyset	100 \dagger				3.5	PL \emptyset	TO18		
2N2509	350	80.0	.50 $\frac{1}{2}$ J	125	80	7.0	10	5.0	10	40 \dagger					6.0	PL \emptyset	TO18	
2N2510	350	80.0	.50 $\frac{1}{2}$ J	100	65	7.0	10	5.0	10	150 \dagger					6.0	PL \emptyset	TO18	
2N2515	400	100 $\frac{1}{2}$	.23 $\frac{1}{2}$ J	80	60	6.0	5n \emptyset	5.0 \emptyset	5.0 \emptyset	40 \dagger		1500			4.0	PL	TO46
2N2516	400	100 $\frac{1}{2}$	.23 $\frac{1}{2}$ J	80	60	8.0	5n \emptyset	5.0 \emptyset	5.0 \emptyset	80 \dagger		1800			4.0	PL	TO46
2N2518	400	100 $\frac{1}{2}$	.23 $\frac{1}{2}$ J	125	80	8.0	5n \emptyset	5.0 \emptyset	5.0 \emptyset	40 \dagger		1500			4.0	PL	TO46
2N2519	400	100 $\frac{1}{2}$	.23 $\frac{1}{2}$ J	125	80												

5. SILICON NPN-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C Pc (mw)	f _{αb} (Mc) (°C/mw)	DERATE X. in Free Air	M A T E M P.	ABSOLUTE MAX. RATINGS @ 25°C.					TYPICAL "h" PARAMETERS @ 25°C.							Cob	STRUCTURE	DESCRIPTION Dwg. No.					
						BV _{CBO} (VOLT)	BV _{CEO} BV _{CES} BV _{CER} (VOLT)	BV _{EBO} (VOLT)	I _C (ma)	Max. I _{CBO} @ MAX. V _{CB} @ 25°C. (μa)	BIAS			COMMON Emitter											
											V _{CB} (VOLT)	I _E BV _{CE} BV _{IC} BV _{IB} (VOLT)	I _{hfe} t-hFE (ma)	hoe (umho)	hie (ohm)	hre (x10 ⁻⁴) (pf)									
▼	2W338	125	25.0\$	1.0\$S		45	30	1.0		50	5.0\$	10\$	90	b 1\$	60	20\$	30\$		T05						
▼	2W341	400	.32\$J		125	85	1.0		50	10\$	5.0	20	b 2.0\$	30\$	3\$			T011							
▼	2W550B	5W\$	.022\$S		30	30	6.0	200	3.0	6.0\$	200\$	50\$												
▼	4C28	150	12.0	.67\$J	40	30	2.0	25	2.0\$	5.0\$	1.0	15\$	b .20	50	3.0	20\$		GD							
▼	4C29	150	12.0	.67\$J	40	30	2.0	25	2.0\$	5.0\$	1.0	30\$	b .20	50	3.0	20\$		GD							
▼	4C30	150	12.0	.67\$J	40	30	2.0	25	2.0\$	5.0\$	1.0	55\$	b .20	50	3.0	20\$		GD							
▼	4C31	150	12.0	.67\$J	40	30	2.0	25	2.0\$	5.0\$	1.0	115\$	b .20	50	3.0	20\$		GD							
▼	4JX2A593				15				5.0	1.0\$	8.0	30							G						
▼	16T5B	125	.80		15	15	1.0	20	1.0	5.0	10	40\$							T05						
▼	16T5BMP	125	.80		15	15	1.0	20	1.0	5.0	10	40\$							T05						
▼	ST45	200	11.0	1.0\$S	45				.02	6.0\$	1.0\$	50	b .06	65	5.0	7.0		M							
▼	48-34735A01	150	4.00	1.0\$J	45				1.0	25	10	5.0	b .40	42	4.0	7.0		G							
▼	J-66	1000	.50	.84\$S	30				20	12	10	5.0	9.0\$						OV6						
▼	J70	750\$	1.00	.17\$J	80				50	6.0	20	10	10\$	2.0\$	30\$	3\$			OV9						
▼	J75	750		.17\$J	60				60	1.0\$	10	5.0	b	12	.60				OV1						
▼	94-035	150	5.00	.84\$S	30				25	10	5.0\$	1.0	50	b .40	42	4.0	7.0		G						
▼	SA100	500	80.0	.35\$J	60	30	7.0		10	5.0	10	50\$							OV6						
▼	TRS100	600	70.0\$	.22\$J	150	135\$	5.0		1.0	3.5\$	60\$	40\$							L2					
▼	TRS101	600	70.0\$	.22\$J	180	115\$	5.0		1.0	5.0\$	60\$	35\$							M					
▼	PMT115	250		.80\$J	80	50\$	8.0		.50\$	10\$	150	40\$							u6						
▼	J143	750\$	1.00	.17\$J	120				40	8.0	10	5.0	15	b 1.0	12	3\$			OV9						
▼	186-2363	200		.87\$J	60	60	1.0		50	6.0	1.0	40	b 50	60	4.0	7.0		T05							
▼	202-328\$	600	50.0\$	.25\$J	60	40\$	5.0		1.0\$	10\$	150\$	40\$							T05					
▼	202-435\$	3.0\$	40.0\$	.04\$J	60	40\$	5.0		1.0\$	10\$	300\$	80\$							T05					
▼	J213	125	10.0	1.0\$S	45	30	1.0	20	50	5.0	10	36	b 1\$	55	20\$	3.0		OV1							
▼	ME213	360	100\$	.49\$J	45	20	5.0	200	100	5.0	1.0\$	185							TO18					
▼	PMT213	600	150	.25\$J	60	40\$	5.0		1.0\$	10\$	150\$	40\$							M						
▼	PMT214	600	150	.25\$J	60	40\$	5.0		1.0\$	10\$	150\$	80\$							TO51						
▼	PMT220	250\$	6.00	.60\$J	45				1.0	25	2.0	5.0	1.0	63					GD						
▼	J243	750		.17\$S	125	100	1.0	60	50	10\$	5.0\$	50	b 2\$	30\$	3\$	12\$		T011							
▼	J268	1000		.6\$S	60				1.0	60	1.0\$	10\$	5.0\$	15\$	b 2.0	30	3.0		T011						
▼	FSP270-1	125	160\$	1.4\$J	20	15	4.0		.025\$	1.0\$	10\$	75\$							PL						
▼	FSP289-1	125	400\$	1.4\$J	70	50	5.0		.025\$	5.0\$	10\$	80\$							u14						
▼	J311	1000\$		.13\$J	85	85	1.0	60	50	10	5.0	50	b 2\$	30\$	3\$				G				
▼	J319	750\$	1.00	.17\$J	50				1.0	60	5.0	10	5.0	19					OV9						
▼	J334	125	100	1.0\$J	30	30	1.0	20	50	20\$	1.3	25	11	100					RO34						
▼	NS383	300	300	.50\$	20	12	5.0	100	.10	.40\$	3.0\$	30\$							E						
▼	CK398	250		.60\$J	120	120	8.0	50	0.5\$	1.0\$	5.0\$	20\$							PDA						
▼	CK419	250	10.0\$	.54\$J	50	40	5.0	50	1.0\$	1.5\$	5.0\$	15\$							T05					
▼	472-0139-001	250	20.0	.50\$S	45	30	2.7	20	1.0	5.0\$	10\$	100	b 1\$	80\$	20\$				G						
▼	CK474	250	10.0\$	.54\$J	50	40	5.0	50	1.0\$	5.0\$	5.0\$	15	7.5	1000					P					
▼	NS475	400	80.0	.44\$	30	30	6.0	50	.20	5.0	1.0	35	b 1\$	80\$	10\$				M						
▼	NS477	400	80.0\$	.44\$	30	30	6.0	50	50	5.0	1.0	190	b 1\$	80\$	10\$				M					
▼	NS478	400	80.0\$	.44\$	60	60	8.0	50	50	5.0	1.0	35	b 1\$	80\$	10\$				M					
▼	NS479	400	80.0\$	.44\$	60	60	8.0	50	50	5.0	1.0	70	b 1\$	80\$	10\$				M					
▼	NS480	400	80.0\$	.44\$	60	60	8.0	50	50	5.0	1.0	190	b 1\$	80\$	10\$				M					
▼	TI480	600	1.00	.17\$J	50	40	1.0	60	2.0\$	10	5.0	9.0\$	b 1.0	12	2.0				G						
▼	TI481	600	1.00	.17\$J	80	70	1.0	60	2.0\$	10	5.0	9.0\$	b 1.0	12	2.0				G						
▼	RT483	600	150	.20\$J	40				2.0\$	10\$	150\$	40\$							PL						
▼	TI492	150	8.00	.67\$J	40	20	1.0	25	2.0\$	5.0\$	1.0	30	b .50	55	3.7	10			T05						
▼	TI494	125	20.0	.80\$J	40	20	1.0	20	2.0\$	5.0\$	1.0\$	40\$	b .20	30	2.0	2.0			T05						
▼	TI495	125	20.0	.80\$J	40	20	1.0	20	2.0\$	5.0\$	1.0\$	120\$	b .20	30	2.0	2.0			G						
▼	TI496	600	1.00	.17\$J	70	65\$	1.0	60	2.0\$	5.0\$	3.0\$	10\$							T011						
▼	575-R463-H01	150	4.0\$	.84\$S	45	40	1.0		10	5.0\$	1.0\$	15	b 1.5\$	60	5\$	20			N75					
▼	575-R463-H02	150	5.0\$	.84\$S	45	40	1.0		10	5.0\$	1.0\$	30	b 1.5\$	60	10\$	20			T05					
▼	575-R463-H04	150	6.0\$	.84\$S	45	40	1.0		10	5.0\$	1.0\$	75	b 1.5\$	60	15\$	20			T05					
▼	575-R463-H05	150	7.0\$	.84\$S	45	40	1.0		10	5.0\$	1.0\$	75\$	b 1.5\$	60	15\$	20			T05					
▼	575-R523-H02	5W\$	.022\$S		60	60	6.0	200	3.0	6.0\$	200\$	50\$												
▼	575-R680-H01	500	.25\$S	125	85	1.0		1.0\$	10\$	5.0	17	b 2\$	30	3\$					T011						
▼	594A4	150	5.00	.83\$J	40				5.0	25	10	4.5	1.0	28		7.0			OV9						
▼	690T1-3	1000\$			SS	75			1.0	50	6.0	10	5.0	15	b 1.0	12	.60			OV1					
▼	690T1-9	150	2.00\$		SS	30			1.0	25	1.0	5.0	1.0	25	b .70	53	3.5	20		OV9					
▼	690T1-15	1000\$			SS	45			1.0	60	5.0	10	5.0	16	b 1.0	12	.60			OV1					
▼	690T1-17	150	2.00\$		SS	30			1.0	25	1.0	5.0	1.0	50	b .70	50	10	20		OV9					
▼	690T1-35	150	3.00		SS	45			1.0	25	1.0	5.0	1.0	25	b 1.2\$	70	7.5\$	20		T05					
▼	690T1-45	1000			SS	60			1.0	60	1.0\$	10\$	5.0\$	15\$	b 2.0	30	3.0			T011					
▼	RT696AM	400	150	.22\$J	60				5.0		1.0\$	10\$	5.0\$	4											

5. SILICON NPN-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$ (Mc)	DERATE X. in Free Air @25°C P_c (°C/mw)	ABSOLUTE MAX. RATINGS @ 25°C.					Max. I_{CBO} @ MAX V_{CB} @ 25°C. (μA)	TYPICAL "h" PARAMETERS @ 25°C.						DESCRIPTION Cob STRUCTURE Dwg. No.				
					M A T E M P.	BV _{CBO} (VOLT)	\emptyset -BV _{CES} (VOLT)	BV _{EBO} (VOLT)	I_c (ma)	BIAS			COMMON Emitter								
						V_{CB} (VOLT)	\emptyset -V _{CE} (VOLT)	I_E (ma)	h_{fe}	h_{oe} (umho)	h_{ie} (ohm)	h_{re} ($\times 10^{-4}$) (pf)									
	RT697AM \square	400	150	.38\$	60	5.0			.10 \emptyset	10	10 \emptyset	70 \dagger #	b.50	5.4	1.0	20	PL Δ	T046			
	RT698M	400	180	.25\$J	120	5.0			.005	10 \emptyset	150 \emptyset	40 \dagger #					14	PL Δ	T046		
	MT699	250	80.0 \emptyset	.59\$J	120	5.0			2.0	10 \emptyset	150 \emptyset	80 \dagger					14	PE	u13		
▼ \square	702B	250	10.0	.50\$J	45	30	1.0	25	1.0	5.0 \emptyset	1.0 \emptyset	210	b1.2	80	10	20	G	TO16			
	MT706	250	300\$.59\$J	25		3.0		.50	1.0 \emptyset	10 \emptyset	20 \dagger					5.0	ME	u13		
	MT707	250	300\$.59\$J	56		3.0		5.0	1.0 \emptyset	10 \emptyset	9.0 \dagger Δ					5.0	ME	u13		
	RT719M	400	180	.43\$J	120	5.0			2.0 \emptyset	10 \emptyset	150 \emptyset	30 \dagger #					14	PL Δ	T046		
	NS733	400	80.0	.44\$J	30	4.0	100	1.0 \emptyset	1.0 \emptyset	5.0 \emptyset	1.0 \emptyset	35				5.0	MEA	TO18			
	TMT839	150	30.0 \emptyset	1.0\$J	45	45\$	2.0	20	1.0	5.0 \emptyset	1.0 \emptyset	35	b.35	40	2.0	8.0	ME \dagger	u5			
	TMT840	150	30.0 \emptyset	1.0\$J	45	45\$	2.0	20	1.0	5.0 \emptyset	1.0 \emptyset	140	b.35	40	2.0	8.0	ME \dagger	u5			
	TMT841	150	40.0 \emptyset	1.0\$J	45	45\$	2.0	20	1.0	5.0 \emptyset	1.0 \emptyset	40 \dagger	b.35	40	2.0	6.0	MEA	u5			
	TMT842	150	30.0 \emptyset	1.0\$J	45	45\$	2.0	20	1.0	5.0 \emptyset	1.0 \emptyset										
	TMT843	150	40.0 \emptyset	1.0\$J	45	45\$	2.0	20	1.0	5.0 \emptyset	1.0 \emptyset	100 \dagger	b.35	40	2.0	6.0	MEA	u5			
	PT850A	2800 \emptyset	200	\$J	120	80	5.0		2.0 \emptyset	10 \emptyset	150 \emptyset	2.0 \dagger				20 \square	MEA	TO5			
	MT870	250	100\$	.59\$J	100		7.0		.01	10 \emptyset	150 \emptyset	80 \dagger				15	PE	u13		
	MT910	250	100\$	.59\$J	100		7.0		25m	5.0 \emptyset	1.0 \emptyset	100 \dagger				15	PE	u13		
	MT911	250	100\$	.59\$J	100		7.0		25m	5.0 \emptyset	1.0 \emptyset	50 \dagger				15	PE	u13		
	MT912	250	100\$	.59\$J	100		7.0		25m	5.0 \emptyset	1.0 \emptyset	30 \dagger				15	PE	u13		
▼	TI951	750 \emptyset	1.00	.17\$	50		1.0	60	5.0	10	5.0	19	2.0 \emptyset	30 \emptyset	3 \emptyset		G	OV9			
	ST1242	150	8.00	\$	40		2.0	25		5.0	1.0	30	.50	55	3.7	10	TO5				
	ST1243	150	20.0	\$	40		2.0	25		5.0	1.0	30 \dagger	.20	30	2.0	2.0	TO5				
	FT1324B	360	800 Δ	.49\$J	25	10	4.5	500	.60 \emptyset	1.0 \emptyset	10 \emptyset	40 \dagger Δ				5 \square	PLEARO64				
	MT1613	250	80.0 \emptyset	.59\$J	75		7.0		.01	10 \emptyset	150 \emptyset	80				18	PL	u13			
	MT1893	250	100\$	.59\$J	120		7.0		.01	10 \emptyset	150 \emptyset	80 \dagger				15 \square	PE	u13		
	FT2484	360	80.0 Δ	.49\$J	30	30	6.0		.01 \emptyset	5.0 \emptyset	.01 \emptyset	100 \dagger Δ				6 \square	PL \emptyset	TO18			
▼ \square	FT4000AB	600	80.0 Δ	.25\$J	60	40\$	5.0		1.0 \emptyset	10 \emptyset	150 \emptyset	75 \dagger #	12.5	2.2K	3.6	35 \square	D	TO5			
	4096-2110-1																				
	S4182	750\$	5.00\$ Δ	.13\$J	60	60	6.0		15	20	100	5.0 Δ				140 \square	Δ	TO5			
▼	FT4205	800	.06\$J	100	60	6.0			100	10 \emptyset	100	b	8.0 \emptyset	1.5 \dagger	15	D	TO5				
	ST4341	1000		\$J	80		5.0	150	100	5.0	3.0	15 Δ				50		TO5			
	RT5003	3000 \emptyset		.06\$J	100		5.0		1.0	10 \emptyset	300 \emptyset	40 \dagger #					ME	TO5			
	RT5004	3000 \emptyset		.06\$J	100		5.0		1.0	10 \emptyset	300 \emptyset	80 \dagger #					ME	TO5			
▼	ST5029	1000		\$S	60		1.0	60	1.0 \emptyset	10 \emptyset	5.0 \emptyset	15 Δ	b2.0	30	3.0			TO11			
	RT5204	600	150	.20\$J	30	30\$	5.0		1.0 \emptyset	10 \emptyset	10 \emptyset	70 \dagger	b.20	26	.50	18	MEA	TO5			
	RT5212	600	150	.20\$J	60	60\$	5.0		1.0 \emptyset	10 \emptyset	10 \emptyset	70 \dagger	b.20	26	.50	18	MEA	TO5			
	SP8400	600	80.0 Δ	.29\$J	120	80	7.0		.01 \emptyset	10 \emptyset	150 \emptyset	40 \dagger Δ	11	2.8K	3.5	13	PL	TO5			
	SP8401	600	96.0 Δ	.29\$J	100	60	7.0		.025 \emptyset	10 \emptyset	100 \emptyset	75 \dagger Δ	20	1.0K		15 \square	PL \dagger	TO5			
	SP8402	600	80.0 Δ	.29\$J	100	60	7.0		.025 \emptyset	10 \emptyset	100 \emptyset	35 \dagger Δ	10	.60K		15 \square	PL \dagger	TO5			
	CDQ10001	150	6.00	1.0\$J	45		1.0	25	50	5.0	1.0	15	b	25 Δ	1.2	7.0	GD	RO63			
	CDQ10002	500	10.0	.30\$J	45	45	4.0	25	500	5.0	1.0	16	b.25	25 Δ	1.2	7.0	GD	RO63			
	CDQ10003	150	8.00	1.0\$J	45		1.0	25	50	5.0	1.0	29	b	25 Δ	7.0	GD	RO63				
	CDQ10004	500	11.0	.30\$J	45	45	4.0	25	500	5.0	1.0	30	b.18	25 Δ	1.2	7.0	GD	RO63			
	CDQ10005	150	10.0	1.0\$J	45		1.0	25	50	5.0	1.0	54	b.50	25 Δ	3.5	7.0	GD	RO63			
	CDQ10006	500	12.0	.30\$J	45	45	4.0	25	500	5.0	1.0	38	b.18	25 Δ	1.2	7.0	GD	RO63			
	CDQ10007	150	11.0	1.0\$J	45		1.0	25	50	5.0	1.0	63	b.30	25 Δ	6.0	10	GD	RO63			
	CDQ10008	500	13.0	.30\$J	45	45	4.0	25	500	5.0	1.0	52	b.15	25 Δ	1.2	7.0	GD	RO63			
	CDQ10009	150	13.0	1.0\$J	45		1.0	25	50	5.0	1.0	200	b.25	25 Δ	7.0	7.0	GD	RO63			
	CDQ10010	500	15.0	.30\$J	45	45	4.0	25	500	5.0	1.0	95	b1.3	25 Δ	1.2	7.0	GD	RO63			
	CDQ10011	1000 \emptyset		.13\$J	55	55	1.0	60	1.0 \emptyset	10	5.0	50	b2 \emptyset	30 \emptyset	3 \emptyset	30	G	RO63			
	CDQ10012	1000 \emptyset		.13\$J	85	85	1.0	60	1.0 \emptyset	10	5.0	50	b2 \emptyset	30 \emptyset	3 \emptyset	30	G	RO63			
	CDQ10013	1000 \emptyset		.13\$J	125	85	1.0	60	1.0 \emptyset	10	5.0	50	b2 \emptyset	30 \emptyset	3 \emptyset	30	G	RO63			
	CDQ10014	1000 \emptyset		.13\$J	60	60	1.0	60	1.0 \emptyset	10	5.0	20	b2 \emptyset	30 \emptyset	3 \emptyset	30	G	RO63			
	CDQ10015	1000 \emptyset		.13\$J	60	60	1.0	60	1.0 \emptyset	10	5.0	50	b2 \emptyset	30 \emptyset	3 \emptyset	30	G	RO63			
	CDQ10017	200	30.0 \emptyset	.90\$A	30	30	2.0		.50	6.0	1.0	16	b.40	25	2.1	20	GD	RO63			
	CDQ10018	200	30.0 \emptyset	.90\$A	45	45	2.0		.50	6.0	1.0	16	b.40	25	2.1	20	GD	RO63			
	CDQ10020	200	30.0 \emptyset	.90\$A	30	30	2.0		.50	6.0	1.0	30	b.40	25	2.2	20	GD	RO63			
	CDQ10021	200	30.0 \emptyset	.90\$A	45	45	2.0		.50	6.0	1.0	30	b	25	20	GD	RO63				
	CDQ10023	200	39.0 \emptyset	.90\$A	30	30	2.0		.50	6.0	1.0	60	b.20	25	3.0	20	GD	RO63			
	CDQ10024	200	39.0 \emptyset	.90\$A	45	45	2.0		.50	6.0	1.0	60	b.20	25	3.0	20	GD	RO63			
	CDQ10025	200	39.0 \emptyset	.90\$A	15	15	2.0		.50	6.											

5. SILICON NPN-Low Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. COLL. DISS. in Free Air @25°C P_c (mw)	$f_{\alpha b}$	DERATE X. in Free Air	M A T E M P.	ABSOLUTE MAX. RATINGS @ 25°C.					TYPICAL "h" PARAMETERS @ 25°C.								DESCRIPTION		
						BV _{CBO}	BV _{CEO}	BV _{EBO}	I _C	Max. I _{CBO} @ MAX. V _{CB} @ 25°C.	BIAS			COMMON Emitter							
						(VOLT)	(VOLT)	(VOLT)	(ma)	(μ A)	V _{CB}	I _E	\emptyset -V _{CE}	h _{FE}	h _{oe}	h _{ie}	h _{re}	(umho)	(ohm)	($\times 10^{-4}$) (pf)	Cob	STRUCTURE	Dwg. No.
▼	GA53,678	1900	.065\$J			50	2.0	.10	100	.500	70†	b1.0	.51	33	50	D	T038				
▼	B94488	150	4.00	1.0\$J	45	1.0	25	2.00	5.0	1.0	15	b .40	42	1.2		OV6					
▼	99240-111	1000	1.000Δ	125\$S	60	50	1.0		50	10	5.0	45	b2.00	30	400		T011				
▼	412141-1	1000	.125\$J	125			60		100	.500	16						T011				
▼	425107-1	150	6.00	1.0\$J	45		1.0	25	2.00	5.0	1.0	15	b .50	55	2.0	7.0	GD	T05			
▼	447454	150		1.0\$J	40			25		5.0	1.0	25	b .40	42	2.5		OV9				
▼	447475	750	.20\$J	80			50		10	5.0	15	b1.0	12	.60		OV1					
▼	534767-1	10000	.13\$J	125	85	1.0	60	1.00	10	5.0	50	b2.00	30	30		G	T011				
▼	534767-2	150	2.00	.83\$S	45	1.0			50	5.0	1.0	55	b1.20	80	10	20		T05			
▼	534767-3	1000	1.00	.13\$S	60	1.0			50	10	5.0	45	(Pair 2N343)				T011				
▼	534767-4	150	5.00	1.0\$J	30	1.0	25	10	5.0	1.0	30	b .40	42	2.5	7.0	G	OV9				
▼	534767-5	750	.17\$J	60			60	1.00	10	5.0	20	b	12	.60		G	OV1				
▼	534767-8	800	18.08	.22\$J	100	100	8.0		100	100	200	24		500			D	OV1			
▼	549122	7500	1.00	.17\$J	120		1.0	40	5.0	.400	10	20					OV9				
▼	604442-2	400\$		.125\$J	60			60	50	10	5.0	30	b1.0	12	.60		GD	T011			
▼	604442-3	4000		.8J	60		8.0		150	300	300	20†	60	625	8.0		T05				
▼	604442-5	150\$	.20	.40\$J	50		20	50	5.0	1.0	14	b2.3	70	15	70	G	T09				
▼	616664-2	150		.83\$J	30	1.0	25	10	5.0	1.0	24	b75	60	5.0			OV9				
▼	617978	600		.25\$J	60	45	5.0		.500	6.00	1.0	150	b.750	30	25	18		T05			
▼	617979-1	600		.25\$J	60	45	5.0		.500	6.00	1.00	85	b.750	30	25	18		T05			
▼	620448-2	150		.83\$J	60	1.0	25	10	5.0	1.0	40	b8.0	60	8.0			OV9				
▼	628252	400\$		.125\$J	60			60	50	10	5.0	30±1	b1.0	12	.60		GD	T011			
▼	628253	40000		.8J	60		8.0		150	300	300	20†±1	60	625	8.0		T05				
▼	628255	150\$	.20	.40\$J	50		20	50	5.0	1.0	14±1	b2.3	70	15	70	G	T09				
▼	723020-7	500	5.00\$	.30\$J	45	45	4.0	25	50	5.0	1.0	60	15	4000			15		T05		
▼	723020-8	150	75.0\$	.8S	25	25	3.0	100	5.0	.250	100	10					3.5	S	R08		
▼	900201-53	500		.22\$J	100	100	8.0		100	100	2000	24					150		T05		
▼	900201-103	500	30.0\$	.30\$S	60	40	5.0	50	10	5.00	1.00	60	b1.20	80	10	15		T018			
▼	900201-104	500	30.0\$	.30\$S	60	40	5.0	50	10	5.0	1.0	60	b1.20	80	10	15		T018			
▼	900201-167	600		.29\$J	80	60		50	.01	5.0	1.0	80	b1.20	40	10	15		T018			
▼	928100-18	600		.25\$J	60	40\$	5.0	500	1.00	100	100	80†#					35	D	T05		
▼	928101-10	600	50.0	.25\$J	60	30\$	5.0	500	1.00	100	100	100†△#					35	D	T05		
▼	928101-11	200	10.0	.50\$J	45	45	2.0		.500	6.00	1.00	140	b.70	60			20	D	T05		
▼	928101-12	500\$	6.00	.20\$J	60	60	6.0		15	100	200	60†					120		T05		
▼	928104-2	600	30.0\$	.25\$J	80	60	5.0		10	5.00	5.0	70		1500			20		T05		
▼	928104-3	600	40.0\$	.25\$J	80	60	5.0		10	5.00	5.0	140		1800			20		T05		
▼	928110-2	200	10.0	.50\$J	45	45	2.0		.500	6.00	1.00	140±2.5					20	D	T05		
▼	998772	500	2.50	.33\$J	45	45	4.0	25	50	5.00	1.0	150	35	15K			15	G	T05		
▼	1288976-2	100\$		.8J	45	1.0	25		5.0	1.0	30	b1.20	55	.50					T05		
▼	1288976-5	100\$		.8J	45	1.0	25		5.0	1.0	25	b1.20	55	.25					T05		
▼	1876673	1000		.8J	125	85	1.0	60	1.00	100	100	5.00	17	b2.00	30	30			T011		
▼	1979817-2	150	11.0	1.0\$J	45	1.0	25	2.00	5.00	1.00	55±2.5					10	GD	T05			
▼	1979824	1000	1.00	.125\$S	60	60			50	10	5.0	15	b2.0	30	4.0			T011			
▼	1980410-5	200	15.0	.8A	45	45	2.0		.50		1.00	65	b30	60				20			
▼	1980410-6	200	15.0	.8A	45	45	2.0		.50		1.00	65	b30	60				20			
▼	2016335-2	800		.22\$J	60	60	8.0		250	100	100	45							T05		
▼	2016338-1	150		.83\$S	45	1.0		10	5.00	1.00	63	b1.50		15					T05		
▼	2016785-1	125	25.0\$	1.0\$S	45	30	1.0		50	5.00	100	90	b1.00	60	200	30			T05		
▼	2028361-1	150	2.00Δ	.8S	45	1.0			1.00	5.0	1.0	120	b1.20	80	10	20			T05		
▼	2028361-3	150	2.00	.8J	45	1.0			50	5.0	1.0	100	b1.2	80	10	20			MD14		
▼	2028362-1	125	20.0Δ	1.0\$S	45	1.0			20	1.00	5.00	100†	b1.00	80	20	30			T05		
▼	2028367-1	800	2.00	.22\$S	100	100	8.0		100	100	24†								T05		
▼	2028367-2	800	2.00	.22\$J	100	100	8.0		100	100	2000	24†±10%							T05		
▼	2028367-3	800	2.00	.22\$J	100	100	8.0		100	100	2000	24†							T05		
▼	2028367-5	800	2.00	.22\$J	100	100	8.0		100	100	2000	24†							MD14		
▼	2028367-6	800	2.00	.22\$J	100	100	8.0		100	100	2000	24†±20% at IC-10,20,50ma							MD14		
▼	2029155-1	800	70.0\$	.22\$J	100	100	8.0		100	100	200	60		500	13	PL			T05		
▼	2029155-2	800	70.0\$	.22\$J	100	100	8.0		100	100	200	60		500	13	PL			T05		
▼	2039610	30		.8J	6.0	6.0	1.0	5.0	.01	3.00	.020	25							Ø	T05	
▼	2073262	150	11.0	1.0\$J	45	1.0	25	2.00	150	100	40±20%						10	GD	T05		
▼	2196056	600	60.0\$	.25\$S	80	60	5.0		1.00	5.00	5.0	70		1500	10				T05		
▼	2206323	125	20.0Δ	1.0\$J	45	45	1.0	20	50	5.00	100	90†	b1.00	55	20	30	G	T05			
▼	7632218A	800	2.00	.8S	100	100	8.0		100	100	200	24†							T05		
▼	8935903-1	200	20.0	.8S	45	30	3.0	25	50	5.00	100	70†	b1.00	55	20	30			T05		
▼	8935903-2	200	20.0	.63\$S	45	30	3.0	25	50	5.00	100	140†	b1.00	55	20	30			T05		
▼	8935908-1	800	5.00																		

6. GERMANIUM PNP - High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. Junction to Case θ_{jc} (°C/W)	MAX. COLL. DISS. in Free Air @25°C P_c (Watts)	M AX. T E M P.	ABSOLUTE MAX. RATINGS @ 25°C.					MAX. I_{CBO} @ MAX. V_{CB} @ 25°C (ma)	h_{FE}			$t_{f\alpha e}$ BIAS V _{CB} @ 25°C (VOLT)	MIN. I_C TYP. Δ-V _{CE} (VOLT)	MAX. I_B TYP. Δ-I _E (AMP)	$t_{f-h_{fe}}$	MAX. SAT. RES. (OHMS)	t_r ϕ -ld+ ϕ -ls #-lf	DESCRIPTION		
					I_C	I_B	BV_{CBO}	BV_{EBO}	BV_{CES}		h_{FE}	$t_{f-h_{fe}}$	$t_{f\alpha e}$									
					(AMP)	(AMP)	(VOLT)	(VOLT)	(VOLT)		(Kc)	(μsec.)										
▼	TR1	10	7.50#A	3.0 .50	45	20	20			2.00	.40	20	60	500↑△	1.3	2.0	AA	TO8				
▼	CA2D2	2.2#	34#J	3.50 .50	20	12				4.0	2.00	2.0	20	200↑△	.30	A	TO10					
▼	2N57	3.6	20#J	1.0	60	30				8.0	2.0	1.00	14.5	36	200	3.2	1.2	A	MT12			
▼	2N83	6.7	2.0#J	2.0	66	12	60	3.00	1.5	.50	8.0			350	3.0		A	TO13				
▼	2N141/13	3.0	20 #J	1.0 .50	60	30	30	2.0	2.00	.50	25				4.0		A	MM2				
▼	2N143	12	1.0	.80	30		300	5.0	6.00	.25	10	400				6.0						
▼	2N155	3.00	1.5#J	3.0 .50	30	15	15	1.0	2.00	.50	320			180↑△	.65	A	TO3					
▼	2N156	3.0	#J	3.0 .50	30	15	30	1.0	2.00	.50	25	320		4.0△	.75	A	MM3					
▼	2N158	3.0	#J	3.0 .50	60	30	60	1.0	2.00	.50	21			4.0△	.75	A	MM3					
▼	2N158A	3.0	#J	3.0 .50	80	30	60	1.0	2.00	.50	21			4.0△	.75	A	MM3					
▼	2N173	.50	50 #J	1504.0	60	40	45	4.0	2.0	5.0	35	70	10	.08	15	A	TO36					
▼	2N174	.50	50 #J	1504.0	80	60	55	4.0	2.0	5.0	25	50	10	.08	15	A	TO36					
▼	JAN2N174	1.0	700#S		80	60	40	15	2.00	1.2	40	80	100↑	.06					TO6			
▼	2N174-8	.50	50#J	1504.0		20	850	8.0	2.0	5.0	20	40	10						TO36			
▼	2N174A	.80	50 #J	1504.0	80	60	40	8.0	2.0	1.2	40	80	100↑	.06					TO36			
▼	2N176	.80	90#J	3.0	40		300	3.00	2.00	.500	25	90	7.0	.80	A	TO3						
▼	2N234A	2.00	#J	3.0 .15			30			.50	250								TO3			
▼	2N235A	2.00	#J	3.0 .15	50		40			.50	400								TO3			
▼	2N235B	2.00	#J	3.0 .15	50		40			.50	600								TO3			
▼	2N236A	2.00	#J	3.0 .15	50		40	1.00		.75	400								TO3			
▼	2N236B	2.00	#J	3.0 .15	50		40	1.00		.75	600								TO3			
▼	2N242	3.0	250#J	2.0		45	45	5.00	5.00	120	.50	30		5.0					MD9			
▼	2N250	1.1	250#J	3.0		30				1.0	1.50	.50	30	900					A	TO3		
▼	2N250A	.83	90#J	7.0		40	20	25	2.0	1.50	.50	35							.23	A	TO3	
▼	2N251	1.1	250#J	3.0		60				2.0	1.50	.50	30	900						A	TO3	
▼	2N251A	.83	90#J	7.0		60	20	35	2.0	1.50	.50	35								A	TO3	
▼	2N255	3.00	#J	3.0 .50	15	15	15	1.0	2.00	.50	300	100								A	TO3	
▼	2N255A	3.00	#J	3.0 .50	15	15	15	5.0	2.00	.50	300		125↑							A	TO3	
▼	2N256	3.00	#J	3.0 .50	30	30	30	1.0	2.00	.50	300	100							A	TO3		
▼	2N256A	3.00	#J	3.0 .50	30	15	25	5.00	2.00	.50	300		125↑						A	TO3		
▼	2N257	1.5	450#J	3.0 2.0	40	10	350	2.0	2.00	2.0	400			5.0△	.75	A	TO3					
▼	2N268	1.5	450#J	3.0 2.0	80	40	600	2.0	2.00	2.0	400			6.0△	1.0	A	TO3					
▼	2N268A	1.5	450#J	3.0 2.0	80	20	600	2.0	2.00	2.0	20	80			.50		A	TO3				
▼	2N277	.50	50 #J	1504.0	40	20	25	8.0	2.0	5.0	35	70	10		15	A	TO36					
▼	2N278	.50	50 #J	1504.0	50	30	30	4.0	2.0	5.0	35	70	10	.08	15	A	TO36					
▼	2N285	2.0	#J	3.0 .15	40					.50	1250								A	TO3		
▼	2N285A	1.5	#J	3.0 .15			40	1.00		.50	1500									DAA	TO3	
▼	2N285B	1.5	#J	3.0 .15			40	1.00		.50	1500									DAA	TO3	
▼	2N290	550	12	70				1.0			720		400							A	MT2	
▼	2N296	3.0	200#J	2.0		60	15	600	1.0	2.00	1.0	20		4.0	1.0				A	TO3		
▼	2N297	1.50	450#J	5.00 2.0		60	9.0	500	5.0	3.00	2.0	12	40	5.0↑△						A	TO3	
▼	2N297A	2.0	35 #J	4.00 1.0		60	40	30	3.0	2.0	5.0	40	100	12	.50	5.0	A	TO3				
▼	USA2N297A	2.0	35 #J	4.0 1.0		60	40	30	3.0	2.0	5.0	40	100	12						A	TO3	
▼	2N301	1.0#S	11#S	1.5		40	10	40	3.00	1.5	1.0	50								A	TO3	
▼	2N301A	1.0#S	11#S	1.5		60	10	60	3.00	1.5	1.0	50								A	TO3	
▼	2N307A	1.5	500#J	5.0		35	10	35	2.00	1.00	.20	30	350	3.5△	.80				A	TO3		
▼	2N350	.80	100#J	3.0		50		40	3.00	2.00	.70	20	60	6.0	.80				A	TO3		
▼	2N350A	.80	90#J	3.0		50		40	3.00	2.00	.70	20	60	6.0	.80	5.0	A	TO3				
▼	2N351	.80	100#J	3.0		50		40	3.00	2.00	.70	25	90	6.0	.80				A	TO3		
▼	2N351A	.80	90#J	3.0		50		40	3.00	2.00	.70	25	90	6.0	.80	5.0	A	TO3				
▼	2N352	3.0#S	70#S	2.0		40		50	5.00	1.50	1.0	30	140	16	.80					TO27		
▼	2N353	2.5#S	100#S	2.0		40		50	5.00	1.50	1.0	40	150	16	.80					TO27		
▼	2N375	.80	90#J	3.0		80	40	60	3.00	4.00	1.00	35	90	10	.80	10	△		A	TO3		
▼	2N376	.80	100#J	3.0		50	40	3.00	2.00	.70	35	120	6.0	.80					A	TO3		
▼	2N376A	.80	90#J	3.0		50		40	3.00	2.00	.70	35	120	6.0	.80	5.0						
▼	2N378	1.2	500#J	5.0		20				.50	2.00	2.0	15	40	5.0△	.50	25△	A	TO3			
▼	2N379	1.2	500#J	5.0		40				.50	2.00	2.0	20	70	5.0△	.50	25△	A	TO3			
▼	2N386	2.0#S	130#J	3.0		60	28	60#	5.0	1.50	2.5	20		7.0	.70					TO27		
▼	2N387	2.0#S	130#J	3.0		80	28	80#	5.0	1.50	2.5	20		6.0	.70					TO27		
▼	2N399	2.0#S	#J	3.0 .15		40		1.0		.75	400									TO3		
▼	2N401	2.0#S	#J	3.0 .15		40		1.00		.50	400									TO3		
▼	2N418	2.0#S	#J	5.0 .50	100		80	1.50	2.00	4.0	40	500		400↑	.50	15				TO3		
▼	2N419	2.0#S	250#J	3.0 .15	55		45	1.0	1.50	2.2	9.0	44	300↑	1.5					A	TO3		
▼	2N420	2.0#S	#J	5.0 .50	65		45	1.50	2.00	4.0	40	500		400↑	.50	15				TO3		
▼	2N420A	2.0#S	#J	5.0 .50	90		70	.500</td														

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6. GERMANIUM PNP-High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. Junction to Case θ_{jc} ($^{\circ}\text{C}/\text{W}$)	MAX. COLL. DISS. in Free Air @ 25°C P_c (Watts)	ABSOLUTE MAX. RATINGS @ 25°C .					MAX. I_{CBO} @ MAX. V _{CB} @ 25°C	h_{FE} $\dot{t}-h_{FE}$			f_{ce}	MAX. SAT. RES.	t_r $\dot{Q}-Id+$ $\dot{S}-Is$ $\#-It$	DESCRIPTION		
				I_C	I_B	BV _{CBO}	BV _{EBO}	BV _{CEO}	$\dot{Q}-I_B$	V _{CB}	I_C	$\dot{Q}-I_B$	MIN.	MAX.				
				(AMP)	(AMP)	(VOLT)	(VOLT)	(VOLT)	(ma)	(VOLT)	(AMP)	(VOLT)	(Kc)	(OHMS)	(μsec)			
▼	2N441-6	.50	50#J	1504.0	20	650	8.0	2.0	5.0	20	40	10				AΔ	TO36	
▼	2N442	.50	50 #J	1504.0	50	30	4.0	2.0	5.0	20	40	10				AΔ	TO36	
▼	2N443	.50	50 #J	1504.0	60	40	4.0	2.0	5.0	20	40	10	.09			AΔ	TO36	
▼	2N456	1.4	50#J	5.0 3.0	40	20	40	2.0	1.50	5.0	10	300			.20	26	A	
▼	2N456A	.80\$	90#J	7.0 3.0	40	20	30	2.0	1.50	5.0	30	90	200\$	.10		A	TO3
▼	2N456B	.83	1500	7.0	40	30	30	.500	1.50	5.0	30	90	200\$	.10		A	TO3
▼	2N457	1.4	50#J	5.0 3.0	60	20	60	2.0	1.50	5.0	10	300			.20	26	A	
▼	2N457A	.80\$	90#J	7.0 3.0	60	20	40	2.0	1.50	5.0	30	90	200\$	.10		A	TO3
▼	2N457B	.83	1500	7.0	60	30	40	.500	1.50	5.0	30	90	200\$	.10		A	TO3
▼	2N458	1.4	50#J	5.0 3.0	80	20	80	2.0	1.50	5.0	10	300			.20	26	A	
▼	2N458A	.80\$	90#J	7.0 3.0	80	20	45	2.0	1.50	5.0	30	90	200\$	.10		A	TO3
▼	2N458B	.83	1500	7.0	80	30	45	.500	1.50	5.0	30	90	200\$	.10		A	TO3
▼	2N459	1.2	50#J	5.0	105				.500	2.00	2.0	20	70	5.0Δ	.50	25	A	
▼	2N463	1.5	50 #J	5.0 1.0	60	50			.300	2.00	2.0	20	60	5.0Δ	.08	14.7	A	
	USN2N463	1.5	50#S	5.001.0	60	50	60#		.300	2.00	2.0	20	60	5.0	.08		TO32	
	2N511A	.50\$	150#J	25 5.0	60	30	40	15	2.00	10	20	60	260\$	.05		AΔ	MD4
	2N511B	.50\$	150#J	25 5.0	80	30	45	15	2.00	10	20	60	260\$	.05		AΔ	MD4
	2N512A	.50\$	150#J	25 5.0	60	30	40	15	2.00	15	20	60	280\$	.07		AΔ	MD4
	2N512B	.50\$	150#J	25 5.0	80	30	45	15	2.00	15	20	60	280\$	.07		AΔ	MD4
	2N528	.30	1.0#J	1.0 .50	40	40			.50	1.00	.50	20	470	8M\$	.25	.400	A
	2N538	2.2\$	34#J	3.50.50	80	28	60	2.0	2.00	2.0	20	50	200\$	.30		A	TO10
▼	2N538A	2.2	Same as 2N538	with added Spec:					(Gp 17.5 to 52. mho; hie-24 to 48 ohm.)								TO10	
▼	2N539	2.2\$	34#J	3.50.50	80	28	55	2.0	2.00	2.0	30	75	200\$	.30		A	TO10
▼	2N539A	2.2	Same as 2N539	with added Spec:					(Gp 35 to 105 mho; hie-27 to 54 ohm.)								TO10	
▼	JAN2N539AM	2.2	37#S	4.90.70	80	28	55	2.0	2.00	2.0	30	75	300	.30			TO10	
▼	JAN2N539M	2.2	37#S	4.90.70	80	28	55	2.0	2.00	2.0	30	75	300	.30			TO10	
▼	2N540	2.2	34#J	3.50.50	80	28	55	2.0	2.00	2.0	45	113	200\$	.30		A	TO10
▼	2N540A	2.2	Same as 2N540	with added Spec:					(Gp 71 to 213 mho; hie-30 to 60 ohm.)								TO10	
▼	2N553	2.0	35 #J	4.001.0	80	40	40	2.0	2.0	.50	40	80	25	.30	5.0	AΔ	MD1	
▼	2N561	1.5	10 #J	5.0 20	80	60	65	3.0	2.00	4.0	20	50	650	.20	90	AΔ	TO3	
▼	2N574	.40	187#J	10 2.0	60	28	55	7.0	2.00	10	9.0	22	100\$	.02	20	A	MT7
▼	2N574A	.40	187#J	10 2.0	80	28	60	20	2.00	10	9.0	22	100\$	.02	20	A	MT7
▼	2N575	.40	187#J	25 3.8	60	28	50	7.0	2.00	25	10	150\$	.02	15	AΔ	MT7	
▼	USA2N575	.40	187#J	25 3.8	60	28	50	7.0	2.00	25	10	150\$	.02	15	AΔ	MT7	
▼	2N575A	.40	187#J	25 3.8	80	28	55	20	2.00	25	10	150\$	.02	15	AΔ	MT7	
▼	2N618	.80	90#J	3.0	80	40	600	3.00	4.00	1.00	60	140	8.5	.40	8.00	△	TO3	
	2N628	.80	90#J	10	60	30	450	20	2.00	10	10	30	8.0	.10			TO3	
	2N629	.80	90#J	10	80	40	600	20	2.00	10	10	30	8.0	.10			TO3	
▼	2N630	.80	90#J	10	100	50	750	20	2.00	10	10	30	8.0	.10			TO3	
▼	2N637	1.2	#J	5.0 .50	60				3.0	1.00	5.00	3.0	30	60		8.0	△	TO3
▼	2N637A	1.2	#J	5.0 .50	90				55	1.00	5.00	3.0	30	60		8.0	△	TO3
▼	2N637B	1.2	#J	5.0 .50	100				65	1.00	5.00	3.0	30	60		8.0	△	TO3
	2N638	1.2	#J	5.0 .50	60				30	1.00	5.00	3.0	20	40		10	△	TO3
	2N638A	1.2	#J	5.0 .50	90				55	1.00	5.00	3.0	20	40		10	△	TO3
	2N638B	1.2	#J	5.0 .50	100				65	1.00	5.00	3.0	20	40		10	△	TO3
▼	2N639A	2.0	37#J	5.0 .50					70	5.00	5.00	3.0	15	30		.83	15	AΔ
▼	2N639B	2.0	37#J	5.0 .50					80	5.00	5.00	3.0	15	30		.83	15	AΔ
▼	2N665	2.0	35 #J	5.001.0	80	40			2.0	2.0	.50	40	80	20Δ	.30	5.0	AΔ	
▼	2N669	.80	90#J	3.0	40				300	3.00	2.00	.50	75	250	5.0	.13	▼	A
▼	2N677A	1.50	#J	15 1.5					400	2.00	2.00	10	20	60		.10	15	△
▼	2N677B	1.50	#J	15 1.5					700	5.00	2.00	10	20	60		.10	15	△
▼	2N677C	1.50	#J	15 1.5	100				800	5.00	2.00	10	20	60		.10	15	△
▼	2N678A	1.50	#J	15 1.5	60				400	2.00	2.00	10	50	100		.10	15	△
▼	2N678B	1.50	#J	15 1.5	90				700	2.00	2.00	10	50	100		.10	15	△
▼	2N678C	1.50	#J	15 1.5	100				800	5.00	2.00	10	50	100		.10	15	△
▼	2N1007	1.50	#	3.0					15	30	1.00	14	.50	300		5.00	1.0	
▼	2N1011	1.5	45#J	5.001.0	80	40	40		20	2.0	3.0	30	75	5.00	.50	5.0	A	
▼	USA2N1011	2.0	35#S	5.00	80	40	40		15	2.00	3.0	30	75	5.00	.50		TO3	
▼	2N1021	.80\$	90#J	7.0 3.0	100	20	50	2.0	1.50	5.0	30	90	200	.10		AΔ		
▼	2N1021A	.83	1500	7.0	100	30	50	.500	1.50	5.0	30	90	200\$	.10		A	
▼	2N1022	.80\$	90#J	7.0 3.0	120	20	55	2.0	1.50	5.0	30	90	200	.10		A		
	2N1022A	.83	1500	7.0	120	30	55	.500	1.50	5.0	30	90	200	.10		A		
	2N1029A	.80	90#J	15 1.5	60	25	400	15	2.00	10	20	60		.10	15	AΔ		
	2N1029B	.80	90#J	15 1.5	90	25	700	15	2.00	10	20	60		.10	15	AΔ		
	2N1029C	.80	90#J	15 1.5	100	25	800	15	2.00	10	20	60		.10	15	AΔ		
	2N1030A	.80	90#J	15 1.5	60	25	400	15	2.00	10	50	100		.10	15	AΔ		
	2N1030B	.80	90#J	15 1.5	90	25	700	15	2.00	10	50	100		.10	15	AΔ		
▼	TYPE NUMBER IN NAVY STOCK SYSTEM.																	
▼	- MECHANICAL AND ENVIRONMENTAL TEST.																	
♦	PREFERRED TYPE — MIL-STD 701																	

6. GERMANIUM PNP-High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. Junction to Case θ_{jc} (°C/W)	MAX. COLL. DISS. in Free Air @25°C Pc (Watts)	M A X. T E M P.	ABSOLUTE MAX. RATINGS @ 25°C.					MAX. I_{CBO} @ MAX. V _{CB} @ 25°C (ma)	h_{FE}			$t_{f\alpha e}$	MAX. SAT. RES.	\emptyset - td+ t_r	DESCRIPTION	
					I_C	I_B	BV_{CBO}	BV_{EBO}	BV_{CES}		BIAS	MIN.	MAX.				S T R U C T U R E	Dwg. No.
					\emptyset -IE	\emptyset -IE	(VOLT)	(VOLT)	(VOLT)		\emptyset - V _{CE}	\emptyset - I_C	\emptyset - I_B				#- TYP.	#- TYP.
	2N1030C	.80	90 \emptyset J	15	1.5	100	25	80 \emptyset	15	2.0 \emptyset	10	50	100		.10	15	AΔ	MD16
	2N1031A	.80	90 \emptyset J	15	1.5	60	25	40 \emptyset	15	2.0 \emptyset	10	20	60		.10	15	AΔ	TO41
	2N1031B	.80	90 \emptyset J	15	1.5	90	25	70 \emptyset	15	2.0 \emptyset	10	20	60		.10	15	AΔ	TO41
▼	2N1031C	.80	90 \emptyset J	15	1.5	100	25	80 \emptyset	15	2.0 \emptyset	10	20	60		.10	15	AΔ	TO41
	2N1032	.80	90 \emptyset J	15	1.5	50	25	30 \emptyset	15	2.0 \emptyset	10	50	100		.10	15	AΔ	TO41
▼	2N1032A	.80	90 \emptyset J	15	1.5	60	25	40 \emptyset	15	2.0 \emptyset	10	50	100		.10	15	AΔ	TO41
	2N1032B	.80	90 \emptyset J	15	1.5	90	25	70 \emptyset	15	2.0 \emptyset	10	50	100		.10	15	AΔ	TO41
▼	2N1032C	.80	90 \emptyset J	15	1.5	100	25	80 \emptyset	15	2.0 \emptyset	10	50	100		.10	15	AΔ	TO41
▼	2N1038	3.5	.50 \emptyset J	3.0	1.0	40	20	30	.65	.50 \emptyset	1.0	20	60	7.0	.25		AΔ	RO62
▼	2N1038-1	3.8	1.0 \emptyset J	3.0	1.0	40	20	30	.65	.50 \emptyset	1.0	20	60	7.0	.25		AΔ	MT27
▼	2N1038-2	3.8	1.0 \emptyset J	3.0	1.0	40	20	30	.65	.50 \emptyset	1.0	20	60	7.0	.25		AΔ	MT6
▼	2N1039	3.5	.50 \emptyset J	3.0	1.0	60	20	40	.65	.50 \emptyset	1.0	20	60	7.0	.25		AΔ	RO62
▼♦	USN2N1039	3.5	.40 \emptyset J			60	20	40	.75	.50 \emptyset	1.0	20	60	8.0 Δ	.25		A	TO11
	2N1039-1	3.8	1.0 \emptyset J	3.0	1.0	60	20	40	.65	.50 \emptyset	1.0	20	60	7.0	.25		AΔ	MT27
	2N1039-2	3.8	1.0 \emptyset J	3.0	1.0	60	20	40	.65	.50 \emptyset	1.0	20	60	7.0	.25		AΔ	MT6
▼	2N1040	3.5	.50 \emptyset J	3.0	1.0	80	20	50	.65	.50 \emptyset	1.0	20	60	7.0	.25		AΔ	RO62
	2N1040-1	3.8	1.0 \emptyset J	3.0	1.0	80	20	50	.65	.50 \emptyset	1.0	20	60	7.0	.25		AΔ	MT27
	2N1040-2	3.8	1.0 \emptyset J	3.0	1.0	80	20	50	.65	.50 \emptyset	1.0	20	60	7.0	.25		AΔ	MT6
▼	2N1041	3.5	.50 \emptyset J	3.0	1.0	100	20	60	.65	.50 \emptyset	1.0	20	60	7.0	.25		AΔ	RO62
▼	USN2N1041	3.5	.40 \emptyset J			100	20	60	.75	.50 \emptyset	1.0	20	60	8.0 Δ	.25		A	TO11
▼	2N1041-1	3.8	1.0 \emptyset J	3.0	1.0	100	20	60	.65	.50 \emptyset	1.0	20	60	7.0	.25		AΔ	MT27
▼	2N1041-2	3.8	1.0 \emptyset J	3.0	1.0	100	20	60	.65	.50 \emptyset	1.0	20	60	7.0	.25		AΔ	MT6
▼	2N1042	3.8	1.0 \emptyset J	3.0	1.0	40	20	30	.65	1.0 \emptyset	3.0	20	60	7.0	.25		AΔ	MT6
▼	2N1042-1	3.8	1.0 \emptyset J	3.0	1.0	40	20	30	.65	1.0 \emptyset	3.0	20	60	7.0	.25		AΔ	MT27
▼	2N1042-2	3.8	1.0 \emptyset J	3.0	1.0	40	20	30	.65	1.0 \emptyset	3.0	20	60	7.0	.25		AΔ	MT6
▼	2N1043	3.8	1.0 \emptyset J	3.0	1.0	60	20	40	.65	1.0 \emptyset	3.0	20	60	7.0	.25		AΔ	MT6
	2N1160	.80	35 #J	7.0 \emptyset 1.0		80	20	60	8.0	2.0	5.0	20	50	.50	10	AΔ	TO3	
▼	USA2N1043	3.8	1.0 \emptyset J	3.0	1.0	60	20	40	.65	1.0 \emptyset	3.0	20	60	7.0	.25		AΔ	MT6
▼	2N1043-1	3.8	1.0 \emptyset J	3.0	1.0	60	20	40	.65	1.0 \emptyset	3.0	20	60	7.0	.25		AΔ	MT27
▼	2N1043-2	3.8	1.0 \emptyset J	3.0	1.0	60	20	40	.65	1.0 \emptyset	3.0	20	60	7.0	.25		AΔ	MT6
▼	2N1044	3.8	1.0 \emptyset J	3.0	1.0	80	20	50	.65	1.0 \emptyset	3.0	20	60	7.0	.25		AΔ	MT6
	2N1044-1	3.8	1.0 \emptyset J	3.0	1.0	80	20	50	.65	1.0 \emptyset	3.0	20	60	7.0	.25		AΔ	MT27
	2N1044-2	3.8	1.0 \emptyset J	3.0	1.0	80	20	50	.65	1.0 \emptyset	3.0	20	60	7.0	.25		AΔ	MT6
▼	2N1045	3.8	1.0 \emptyset J	3.0	1.0	100	20	60	.65	1.0 \emptyset	3.0	20	60	7.0	.25		AΔ	MT6
▼	2N1045-1	3.8	1.0 \emptyset J	3.0	1.0	100	20	60	.65	1.0 \emptyset	3.0	20	60	7.0	.25		AΔ	MT27
▼	2N1045-2	3.8	1.0 \emptyset J	3.0	1.0	100	20	60	.65	1.0 \emptyset	3.0	20	60	7.0	.25		AΔ	MT6
♦	USN2N1046	2.5	30 \emptyset J			100	1.5	50	10	1.0 \emptyset	.50	40	200	15m	1.0		A	MD1
▼	2N1073A	.80 \emptyset	△J	10	1.0	80	1.0	50	5.0 \emptyset	2.0 \emptyset	5.0	20	60	1500 \dagger	.20	50	AΔ	TO41
▼	2N1073B	.80 \emptyset	△J	10	1.0	120	1.0	120	10 \emptyset	2.0 \emptyset	5.0	20	60	1500 \dagger	.20	5.0	AΔ	TO41
	2N1099	.50	50 #J	15 \emptyset 4.0		80	40	55	4.0	2.0	5.0	35	70	10	.06	15	AΔ	TO36
	2N1100	.50	50 #J	15 \emptyset 4.0		100	80	65	4.0	2.0	5.0	25	50	10	.06	15	AΔ	TO36
	2N1120	1.5	450 \emptyset J	15 \emptyset 1.0		80	40	70 \emptyset	15	2.0 \emptyset	10	20	50	3.0 Δ	.10		AΔ	TO41
♦	USA2N1120	1.55	450 \emptyset S	15 \emptyset		80	40	40	15	2.0 \emptyset	10	20	50	3.0 Δ	.10			TO3
▼	2N1136	1.2 \emptyset	#J	6.0		60		30	1.0 \emptyset	5.0 \emptyset	3.0	50	100		.33	5.0		TO3
▼	2N1136A	1.2 \emptyset	#J	6.0		90		55	1.0 \emptyset	5.0 \emptyset	3.0	50	100		.33	5.0		TO3
▼	2N1136B	1.2 \emptyset	#J	6.0		100		65	1.0 \emptyset	5.0 \emptyset	3.0	50	100		.33	5.0		TO3
▼	2N1137	1.2 \emptyset	#J	6.0		60		30	1.0 \emptyset	5.0 \emptyset	3.0	75	150		.33	5.0		TO3
▼	2N1137A	1.2 \emptyset	#J	6.0		90		55	1.0 \emptyset	5.0 \emptyset	3.0	75	150		.33	5.0		TO3
▼	2N1137B	1.2 \emptyset	#J	6.0		100		65	1.0 \emptyset	5.0 \emptyset	3.0	75	150		.33	5.0		TO3
▼	2N1138	2.0 \emptyset	#J	5.0	.50			40		5.0 \emptyset	3.0	100	200					TO3
▼	2N1138A	2.0 \emptyset	#J	5.0	.50			70		5.0 \emptyset	3.0	100	200					TO3
▼	2N1138B	2.0 \emptyset	#J	5.0	.50			80		5.0 \emptyset	3.0	100	200					TO3
▼	2N1146	.80	90 \emptyset J	15	5.0	40	30	30 \emptyset	4.0	2.0 \emptyset	5.0	60	150	4.0	.07	AΔ	TO3	
▼	2N1146A	.80	90 \emptyset J	15	5.0	60	30	45 \emptyset	4.0	2.0 \emptyset	5.0	60	150	4.0	.07	AΔ	TO3	
▼	2N1146B	.80	90 \emptyset J	15	5.0	80	30	60 \emptyset	4.0	2.0 \emptyset	5.0	60	150	4.0	.07	AΔ	TO3	
▼	2N1146C	.80	90 \emptyset J	15	5.0	100	30	75 \emptyset	4.0	2.0 \emptyset	5.0	60	150	4.0	.07	AΔ	TO3	
▼	2N1147	.80	90 \emptyset J	15	5.0	40	30	30 \emptyset	4.0	2.0 \emptyset	5.0	60	150	4.0	.07	AΔ	TO41	
▼	2N1147A	.80	90 \emptyset J	15	5.0	60	30	45 \emptyset	4.0	2.0 \emptyset	5.0	60	150	4.0	.07	AΔ	TO41	
▼	2N1147B	.80	90 \emptyset J	15	5.0	80	30	60 \emptyset	4.0	2.0 \emptyset	5.0	60	150	4.0	.07	AΔ	TO41	
▼	2N1147C	.80	90 \emptyset J	15	5.0	100	30	75 \emptyset	4.0	2.0 \emptyset	5.0	60	150	4.0	.07	AΔ	TO41	
▼	2N1159	.80	#J	5.0 \emptyset 1.0		80	20											

6. GERMANIUM PNP - High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. in Free Air @25°C θ_{jc} (°C/W)	MAX. COLL. DISS. MA. X. T E M P (Watts)	ABSOLUTE MAX. RATINGS @ 25°C.						MAX. I _{CBO} @ MAX. @ 25°C (ma)	h_{FE}				$t_{\alpha e}$ $t_{\alpha b}$ (Kc)	MAX. SAT. RES. (OHMS)	t_r t_{ld+} t_s #- t_f (usec.)	DESCRIPTION			
				I _C (AMP)	I _B (AMP)	BV _{CBO} (VOLT)	BV _{EBO} (VOLT)	BV _{CES} (VOLT)	BV _{CER} (VOLT)		MIN.	MAX.	BIAS								
				ϕ_{-IE}	ϕ_{-IE}						V_{CB} (VOLT)	I_C ϕ_{-IB} ϕ_{-IE} TYP.	$\phi_{-V_{CE}}$ TYP.								
	2N1183A	10	7.50#A	3.0 .50	60	20	30	2.00	.40	20	60	500†Δ	1.3	2.0	AΔ	T08					
	2N1183B	10	7.50#A	3.0 .50	80	20	40	2.00	.40	20	60	500†Δ	1.3	2.0	AΔ	T08					
	2N1184	10	7.50#A	3.0 .50	45	20	20	2.00	.40	40	120	500†Δ	1.3	2.0	AΔ	T08					
	2N1184A	10	7.50#A	3.0 .50	60	20	30	2.00	.40	40	120	500†Δ	1.3	2.0	AΔ	T08					
	2N1184B	10	7.50#A	3.0 .50	80	20	40	2.00	.40	40	120	500†Δ	1.3	2.0	AΔ	T08					
	2N1202	2.2 8	340#J	3.50 .50	80	28	60	2.0	2.00	.50	40	120	200‡Δ	.60	A	T010					
▼	2N1203	2.2 8	340#J	3.50 .50	120	28	70	2.0	2.00	2.0	25	75	200§Δ	.30	A	T010					
	2N1227	1.50	#	3.0	40	15	30	1.00	14	.50	500	5.00	1.0		T03						
	2N1261	2.2 8	340#J	3.50 .50	80	28	45	2.0	2.00	2.0	20	50	200§Δ	.30	A	T010					
▼	2N1263	2.2 8	340#J	3.50 .50	80	28	45	2.0	2.00	2.0	45	113	200§Δ	.3*	A	T010					
	2N1326	3.0	23 #J	3.0	100	15	75	2.0	2.00	.50	30	90		1.0	A	T010					
▼	2N1358	.50	50 #J	1504.0	80	40	40	8.0	2.0	5.0	25	50	100†	.06	15	AΔ	T036				
	2N1358A	.50	#J	1504.0	100	60	60	10	2.00	5.0	25	50	5.00Δ	.06	30	A	T036				
▼♦	JAN2N1358M	.80	94#J	150	80	40	40	4.0	2.00	5.0	25	50	5.00Δ	.06		T036					
	2N1359	.80	90#J	3.0	50	25	400	3.00	4.00	1.00	35	90	10	.50	100	△	T03				
	2N1360	.80	90#J	3.0	50	25	400	3.00	4.00	1.00	60	140	8.5	.40	8.00	△	T03				
	2N1362	.80	90#J	3.0	100	50	750	3.00	4.00	1.00	35	90	10	.50	100	△	T03				
	2N1363	.80	90#J	3.0	100	50	750	3.00	4.00	1.00	60	140	8.5	.40	8.00	△	T03				
▼	2N1364	.80	90#J	3.0	120	60	1000	3.00	4.00	1.00	35	90	10	.50	100	△	T03				
▼	2N1365	.80	90#J	3.0	120	60	1000	3.00	4.00	1.00	40	100	8.5	.40	8.00	△	T03				
▼	2N1412	.50	50 #J	1504.0	100	60	65	4.0	2.0	5.0	25	50	10	.06	15	AΔ	T036				
	USZN1412	1.0	20#S	15	100	60	80	10	2.00	5.0	25	50	5.00Δ	.06		T036					
	2N1430	1.70	#J	10	100		100				30	120	1500†			DA	T041				
	2N1437	3.0	23#J	3.0 .50	100	15	80	2.0	2.00	.50	20		150	.75	A	T013					
	2N1438	3.0	23 #J	3.0 .50	100	30	900	2.0	2.00	.50	20		4.0Δ	1.0	A	T010					
	2N1465	3.0	20 #J	3.0 .50	120	15	1000	2.5	2.00	.50	20			.75	A	T013					
	2N1466	3.0	20 #J	3.0 .50	120	15	1000	2.5	2.00	.50	20			.75	A	T010					
▼	2N1501	2.2 8	340#J	3.50 .50	60	28	40	2.0	2.00	2.0	25	100	200§Δ	.30	A	T010					
▼	2N1502	2.2 8	340#J	3.50 .50	40	28	40	2.0	2.00	2.0	25	100	200§Δ	.30	A	T010					
▼	2N1504	3.00	23#J	3.0 .50	80	30	60	1.0	2.00	.50	21		4.0	.75	A	MT12					
	2N1504/10	3.0	#J	3.0 .50	80	30	60	1.0	2.00	.50	21		150†	.75	A	T010					
	2N1519	.80	50	25 4.0	80	30	60	4.0	4.00	15	15	40	4.0	.03	20	A	T036				
	2N1521	.80	50	35 6.0	80	30	60	4.0	4.00	15	17	35	4.0	.02	25	A	T036				
▼	2N1523	.80	50	50 8.0	80	30	60	4.0	4.00	15	22	45	4.0	.01	30	A	T036				
	2N1530	.80	90#J	5.0	60	30	30	2.00	2.00	3.0	20	40	10	.50	100	△	T03				
	2N1530A	.80	90#J	5.0	60	30	30	2.00	2.00	3.0	20	40	10	.50	100	△	T03				
	2N1531	.80	90#J	5.0	80	40	40	2.00	2.00	3.0	20	40	10	.50	100	AΔ	T03				
	2N1531A	.80	90#J	5.0	80	40	40	2.00	2.00	3.0	20	40	10	.50	100	AΔ	T03				
	2N1532	.80	90#J	5.0	100	50	50	2.00	2.00	3.0	20	40	10	.50	100	AΔ	T03				
	2N1532A	.80	90#J	5.0	100	50	50	2.00	2.00	3.0	20	40	10	.50	100	AΔ	T03				
	2N1533	.80	90#J	5.0	120	60	60	2.00	2.00	3.0	20	40	10	.50	100	AΔ	T03				
	2N1535	.80	90#J	5.0	60	30	30	2.00	2.00	3.0	35	70	8.5	.40	8.00	AΔ	T03				
	2N1535A	.80	90#J	5.0	60	30	30	2.00	2.00	3.0	35	70	8.5	.40	8.00	AΔ	T03				
	2N1536	.80	90#J	5.0	80	40	40	2.00	2.00	3.0	35	70	8.5	.40	8.00	AΔ	T03				
▼	2N1537	.80	90#J	5.0	100	50	50	2.00	2.00	3.0	35	70	8.5	.40	8.00	AΔ	T03				
	2N1537A	.80	90#J	5.0	100	50	50	2.00	2.00	3.0	35	70	8.5	.40	8.00	AΔ	T03				
	2N1538	.80	90#J	5.0	120	60	60	2.00	2.00	3.0	35	70	8.5	.40	8.00	AΔ	T03				
	2N1540	.80	90#J	5.0	60	30	30	2.00	2.00	3.0	50	100	4.0	.20	5.00	AΔ	T03				
	2N1540A	.80	90#J	5.0	60	30	30	2.00	2.00	3.0	50	100	4.0	.20	5.00	AΔ	T03				
	2N1541	.80	90#J	5.0	80	40	40	2.00	2.00	3.0	50	100	4.0	.20	5.00	AΔ	T03				
	2N1541A	.80	90#J	5.0	80	40	40	2.00	2.00	3.0	50	100	4.0	.20	5.00	AΔ	T03				
▼	2N1542	.80	90#J	5.0	100	50	50	2.00	2.00	3.0	50	100	4.0	.20	5.00	AΔ	T03				
	2N1542A	.80	90#J	5.0	100	50	50	2.00	2.00	3.0	50	100	4.0	.20	5.00	AΔ	T03				
▼	2N1543	.80	90#J	5.0	120	60	60	2.00	2.00	3.0	50	100	4.0	.20	5.00	AΔ	T03				
	2N1544	.80	90#J	5.0	40	20	20	2.00	2.00	3.0	75	150	4.0	.10	5.00	AΔ	T03				
	2N1544A	.80	90#J	5.0	40	20	20	2.00	2.00	3.0	75	150	4.0	.10	5.00	AΔ	T03				
	2N1545	.80	90#J	5.0	60	30	30	2.00	2.00	3.0	75	150	4.0	.10	5.00	AΔ	T03				
	2N1545A	.80	90#J	5.0	60	30	30	2.00	2.00	3.0	75	150	4.0	.10	5.00	AΔ	T03				
▼	2N1546	.80	90#J	5.0	80	40	40	2.00	2.00	3.0	75	150	4.0	.10	5.00	AΔ	T03				
	2N1546A	.80	90#J	5.0	80	40	40	2.00	2.00	3.0	75	150	4.0	.10	5.00	AΔ	T03				
▼	2N1547	.80	90#J	5.0	100	50	50	2.00	2.00	3.0	75	150	4.0	.10	5.00	AΔ	T03				
	2N1547A	.80	90#J	5.0	100	50	50	2.00	2.00	3.0	75	150	4.0	.10	5.00	A	T03				
	2N1548	.80	90#J	5.0	120	60	60	2.00	2.00	3.0	75	150	4.0	.10	5.00	AΔ	T03				
	2N1550	.80	90#J	15	60	30	30	3.00	2.00	10	10	30	10	.10	5.00	AΔ	T03				
	2N1550A	.80	90#J	15	60	30	30	3.00	2.00	10	10	30	10	.10	5.00	AΔ	T03				
	2N1551	.80	90#J	15	80	40	40	3.00	2.00	10	10	30	10	.10	5.00	AΔ	T03				
	2N1551A	.80	90#J	15	80	40	40	3.00	2.00	10	10										

6. GERMANIUM PNP—High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. Junction to Case θ_{jc} (°C/W)	MAX. COLL. DISS. in Free Air @25°C P_c (Watts)	M A. X. T E M P.	ABSOLUTE MAX. RATINGS @ 25°C.					MAX. I_{CBO} @ MAX. V _{CB} @ 25°C	h_{FE}			f_{req}	t_r	DESCRIPTION			
					I_C	I_B	BV_{CBO}	BV_{EBO}	BV_{CEO}		I_C	$\dot{t}-h_{fe}$							
					$\emptyset-I_E$	$\emptyset-I_E$	(AMP)	(AMP)	(VOLT)		(VOLT)	(ma)	(VOLT)	(AMP)					
	2N1552A	.80	90 \emptyset J	15		100	50	50	3.0 \emptyset	2.0 \emptyset	10	10	20	10	.10	5.0 Δ	AA	TO3	
	2N1554	.80	90 \emptyset J	15		60	30	30	3.0 \emptyset	2.0 \emptyset	10	30	60	6.0	.07	10 Δ	AA	TO3	
	2N1554A	.80	90 \emptyset J	15		60	30	30	3.0 \emptyset	2.0 \emptyset	10	30	60	6.0	.07	10 Δ	AA	TO3	
▼	2N1555	.80	90 \emptyset J	15		80	40	40	3.0 \emptyset	2.0 \emptyset	10	30	60	6.0	.07	10 Δ	AA	TO3	
	2N1555A	.80	90 \emptyset J	15		80	40	40	3.0 \emptyset	2.0 \emptyset	10	30	60	6.0	.07	10 Δ	AA	TO3	
	2N1556	.80	90 \emptyset J	15		100	50	50	3.0 \emptyset	2.0 \emptyset	10	30	60	6.0	.07	10 Δ	AA	TO3	
	2N1556A	.80	90 \emptyset J	15		100	50	50	3.0 \emptyset	2.0 \emptyset	10	30	60	6.0	.07	10 Δ	AA	TO3	
	2N1558	.80	90 \emptyset J	15		60	30	30	3.0 \emptyset	2.0 \emptyset	10	50	100	5.0	.05	10 Δ	AA	TO3	
	2N1558A	.80	90 \emptyset J	15		60	30	30	3.0 \emptyset	2.0 \emptyset	10	50	100	5.0	.05	10 Δ	AA	TO3	
	2N1559	.80	90 \emptyset J	15		80	40	40	3.0 \emptyset	2.0 \emptyset	10	50	100	5.0	.05	10 Δ	AA	TO3	
	2N1559A	.80	90 \emptyset J	15		80	40	40	3.0 \emptyset	2.0 \emptyset	10	50	100	5.0	.05	10 Δ	AA	TO3	
	2N1560	.80	90 \emptyset J	15		100	50	50	3.0 \emptyset	2.0 \emptyset	10	50	100	5.0	.05	10 Δ	AA	TO3	
	2N1560A	.80	90 \emptyset J	15		100	50	50	3.0 \emptyset	2.0 \emptyset	10	50	100	5.0	.05	10 Δ	AA	TO3	
	2N1610	15	1.0 \emptyset J	1.5 \emptyset 2.5		80	40	60	.10	2.0	.10	50	125	15	1.2	3.0	AA	TO37	
	2N1611	10	1.0 \emptyset J	1.5 \emptyset 2.5		60	40	40	.10	2.0	.10	30	75	17	2.0	3.0	AA	TO37	
▼	2N1612	10	1.0 \emptyset J	1.5 \emptyset 2.5		60	20	40	.10	2.0	.10	50	125	15	1.2	3.0	AA	TO37	
	2N1645	12.5	1.0 \emptyset J	.30			1.0	20	.015 \emptyset	10 \emptyset	.20	20	350	600M Δ	5.0 \cdot 0.037 Δ	D	TO38		
	2N1651	■	.80	100 \emptyset J	25	2.5	60	1.5	60	5.0 \emptyset	2.0 \emptyset	10	35	140	1500 \uparrow	.25	7.0	DA	TO41
	2N1652	■	.80	100 \emptyset J	25	2.5	100	1.5	100	5.0 \emptyset	2.0 \emptyset	10	35	140	1500 \uparrow	.25	7.0	DA	TO41
	2N1653	■	.80	100 \emptyset J	25	2.5	120	1.5	120	5.0 \emptyset	2.0 \emptyset	10	35	140	1500 \uparrow	.25	7.0	DA	TO41
	2N1658	5.0	150 \emptyset J	1.0 \emptyset .50		80	40	50	.50	2.0 \emptyset	.20	30	90	500 Δ	.25	5.0	A	MT19	
	2N1659	5.0	150 \emptyset J	1.0 \emptyset .50		60	20	40	.50	2.0 \emptyset	.20	30	90	500 Δ	.25	5.0	A	MT9	
	2N1755	2.5	28 \emptyset J	3.0	2.0	40	30	30	3.0 \emptyset	2.0 \emptyset	.50	30	75	15 Δ	.23	4.0	A	MS7	
	2N1756	2.5	28 \emptyset J	3.0	2.0	60	30	50	3.0 \emptyset	2.0 \emptyset	.50	30	75	15 Δ	.23	4.0	A	MS7	
	2N1757	2.5	28 \emptyset J	3.0	2.0	80	30	65 \emptyset	3.0	2.0 \emptyset	.50	30	75	15 Δ	.23	4.0	A	MS7	
	2N1758	2.5	28 \emptyset J	3.0	2.0	100	30	75 \emptyset	3.0	2.0 \emptyset	.50	30	75	15 Δ	.23	4.0	A	MS7	
	2N1760	2.5	28 \emptyset J	3.0	2.0	60	30	50 \emptyset	3.0	2.0 \emptyset	.50	60	150	15 Δ	.16	3.5	A	MS7	
	2N1761	2.5	28 \emptyset J	3.0	2.0	80	30	65 \emptyset	3.0	2.0 \emptyset	.50	60	150	15 Δ	.27	5.0	A	MS7	
	2N1762	2.5	28 \emptyset J	3.0	2.0	100	30	75 \emptyset	2.0	2.0 \emptyset	.50	60	150	15 Δ	.27	5.0	A	MS7	
	2N1905	1.5	50 \emptyset J	10	3.0	60	1.0	40	.50 \emptyset	2.0 \emptyset	1.0	50	150	7.5	1.0	.10	D	TO3	
	2N1906	1.5	50 \emptyset J	10	3.0	100	1.0	40	.50 \emptyset	2.0 \emptyset	5.0	75	200	7.5	.20	.10	D	TO3	
	2N1971	1.5	35 \emptyset J	4.0 \emptyset 1.0		80	40	40	2.0 \emptyset	2.0	.50	25	60	25	.30	5.0	A	MD1	
	2N1980	.50	150 \emptyset J	15	5.0	50	20	30	6.0 \emptyset	2.0 \emptyset	.50	50	100	3.0 Δ	.10	15	A	TO36	
	2N1981	.50	150 \emptyset J	15	5.0	70	20	40	6.0 \emptyset	2.0 \emptyset	.50	50	100	3.0 Δ	.10	15	A	TO36	
	2N1982	.50	150 \emptyset J	15	5.0	90	20	50	6.0 \emptyset	2.0 \emptyset	.50	50	100	3.0 Δ	.10	15	A	TO36	
	2N2061	1.5 \emptyset	100 \emptyset J	3.0	2.0	20	10	20 \emptyset	2.0 \emptyset	2.0 \emptyset	2.0	10	30 \emptyset	4.0				TO3	
	2N2062	2.0 \emptyset	100 \emptyset J	3.0	2.0	20	10	20 \emptyset	2.0 \emptyset	2.0	2.0	20	50 \emptyset	4.0	.50			TO3	
	2N2063	2.0 \emptyset	120 \emptyset J	3.0	2.0	40	20	30 \emptyset	10	2.0 \emptyset	2.0	2.0	20		1.0			TO3	
	2N2064	2.0 \emptyset	120 \emptyset J	3.0	2.0	40	20	30 \emptyset	10	2.0 \emptyset	2.0	2.0	20		.50			TO3	
	2N2065	2.0 \emptyset	120 \emptyset J	3.0	2.0	80	30	60 \emptyset	10	2.0 \emptyset	2.0	2.0	20		1.0			TO3	
	2N2066	2.0 \emptyset	120 \emptyset J	3.0	2.0	80	30	60 \emptyset	10	2.0 \emptyset	2.0	2.0	20		1.0			TO3	
	2N2070	1.0 \emptyset	75 \emptyset J	12		80	30	60 \emptyset	15	2.0 \emptyset	5.0	30	200					TO3	
	2N2072	1.0 \emptyset	75 \emptyset J	12		80	30	60 \emptyset	15	2.0 \emptyset	5.0	30	200					AA	TO41
	2N2075	.50	170 \emptyset J	15		80	40	65	4.0	2.0	5.0	20	40	10	.06	9.0		TO36	
	2N2075A	.50	170 \emptyset J	15		80	40	65	4.0	2.0	5.0	20	40	10	.06	9.0		TO36	
	2N2076	.50	170 \emptyset J	15		70	35	55	4.0	2.0	5.0	20	40	10	.06	9.0		TO36	
	2N2076A	.50	170 \emptyset J	15		70	35	55	4.0	2.0	5.0	20	40	10	.06	9.0		TO36	
	2N2077	.50	170 \emptyset J	15		50	25	45	4.0	2.0	5.0	20	40	10	.06	9.0		TO36	
	2N2077A	.50	170 \emptyset J	15		50	25	45	15 \emptyset	2.0	5.0	20	40	10 \uparrow	6.0	A		TO36	
	2N2079	.50	170 \emptyset J	15		80	40	65	4.0	2.0	5.0	35	70	10	.06	6.0		TO36	
	2N2079A	.50	170 \emptyset J	15		80	40	65	4.0	2.0	5.0	35	70	10	.06	6.0		TO36	
	2N2080	.50	170 \emptyset J	15		70	35	55	4.0	2.0	5.0	35	70	10	.06	6.0		TO36	
	2N2080A	.50	170 \emptyset J	15		70	35	55	4.0	2.0	5.0	35	70	10	.06	6.0		TO36	
	2N2081	.50	170 \emptyset J	15		50	25	45	4.0	2.0	5.0	35	70	10	.08	6.0		TO36	
	2N2081A	.50	170 \emptyset J	15		50	25	45	4.0	2.0	5.0	35	70	10	.08	6.0		TO36	
	2N2082	.50	170 \emptyset J	15		40	20	25	4.0	2.0	5.0	35	70	10	.08	6.0		TO36	
	2N2082A	.50	170 \emptyset J	15		40	20	25	4.0	2.0	5.0	35	70	10	.08	6.0		TO36	
	2N2138	1.2	63 \emptyset J	3.0		45	25	30	2.0	2.0 \emptyset	.50	30	60	12 Δ	.25			A	TO3
	2N2138A	1.2	63 \emptyset J	3.0		45	25	30	2.0	2.0 \emptyset	.50	30	60	12 Δ	.25			A	TO3
	2N2139	1.2	63 \emptyset J	3.0		60	30	45</											

6. GERMANIUM PNP - High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. Junction to Case θ_{jc} (°C/W)	MAX. COLL. DISS. in Free Air @25°C P_c (Watts)	M A. X. T E M. P.	ABSOLUTE MAX. RATINGS @ 25°C.					MAX. I_{CBO} @ MAX. V_{CB} @ 25°C	h_{FE}				f_{ce}	MAX. SAT. RES.	t_{-ts} #-tf	tr	DESCRIPTION
					I_C	I_B	BV_{CBO}	BV_{EBO}	BV_{CES}	BV_{CER}	BIAS	I_C	MIN.	MAX.					
					(AMP)	(AMP)	(VOLT)	(VOLT)	(VOLT)	(VOLT)	V_{CE}	$\Delta-I_E$	$\Delta-TYP.$	$\Delta-TYP.$					
	2N2145	1.2	630#J	3.0			75	40	60	2.0	2.00	.50	50	100	12Δ	.25	A	TO3	
	2N2145A	1.2	630#J	3.0			75	40	60	2.0	2.00	.50	50	100	12Δ	.25	A	TO3	
	2N2146	1.2	630#J	3.0			90	45	65	2.0	2.00	.50	50	100	12Δ	.25	A	TO3	
	2N2146A	1.2	630#J	3.0			90	45	65	2.0	2.00	.50	50	100	12Δ	.25	A	TO3	
	2N2147	1.5	13 #J	5.0	1.0	75	1.5	50	1.00	2.00	1.0	100	1500	4.0M\$		D	TO3		
	2N2148	1.5	13 #J	5.0	1.0	60	1.0	40	1.00	2.00	1.0	40	800	4.0M\$		D	TO3		
	2N2153	.50	1700#J	30			60	30	45	4.0	2.00	5.0	50	100	2.7	.02	A	TO36	
	2N2153A	.50	1700#J	30			60	30	45	4.0	2.00	5.0	50	100	2.7	.02	A	TO36	
	2N2154	.50	1700#J	30			75	40	60	4.0	2.00	5.0	50	100	2.7	.02	A	TO36	
	2N2154A	.50	1700#J	30			75	40	60	4.0	2.00	5.0	50	100	2.7	.02	A	TO36	
	2N2155	.50	1700#J	30			90	45	75	4.0	2.00	5.0	50	100	2.7	.02	A	TO36	
	2N2155A	.50	1700#J	30			90	45	75	4.0	2.00	5.0	50	100	2.7	.02	A	TO36	
	2N2156	.50	1700#J	30			45	25	30	4.0	2.00	5.0	80	160	2.7	.02	A	TO36	
	2N2156A	.50	1700#J	30			45	25	30	4.0	2.00	5.0	80	160	2.7	.02	A	TO36	
	2N2157	.50	1700#J	30			60	30	45	4.0	2.00	5.0	80	160	2.7	.02	A	TO36	
	2N2157A	.50	1700#J	30			60	30	45	4.0	2.00	5.0	80	160	2.7	.02	A	TO36	
	2N2158	.50	1700#J	30			75	40	60	4.0	2.00	5.0	80	160	2.7	.02	A	TO36	
	2N2158A	.50	1700#J	30			75	40	60	4.0	2.00	5.0	80	160	2.7	.02	A	TO36	
▼	2N2159	.50	1700#J	30			90	45	75	4.0	2.00	5.0	80	160	2.7	.02	A	TO36	
	2N2159A	.50	1700#J	30			90	45	75	4.0	2.00	5.0	80	160	2.7	.02	A	TO36	
	2N2212	.80	#J	10			120	120	2.00	2.00	5.0	50	120		.50	DAA	TO41		
	2N2266	2.0	50#J	5.0	.70	100	28	55	2.00	2.00	2.0	25	75	200\$	.15	8.0	A	TO10
	2N2267	2.0	50#J	5.0	.70	120	28	55	2.00	2.00	2.0	25	75	200\$	.15	8.0	A	TO10
	2N2285	.80	100#J	2.5	2.5	60	1.5	60	5.00	2.00	10	35	140	1500†	.25	7.0	DA	TO3	
	2N2286	.80	100#J	2.5	2.5	100	1.5	100	5.00	2.00	10	35	140	1500†	.25	7.0	DA	TO3	
	2N2287	.80	100#J	2.5	2.5	120	1.5	120	5.00	2.00	10	35	140	1500†	.25	7.0	DA	TO3	
	2N2288	.80	#J	10	1.0	40	1.0	40	5.00	2.0	5.0	20	60	1000†	.20	5.0	DA	TO3	
	2N2289	.80	#J	10	1.0	80	1.0	80	5.00	2.0	5.0	20	60	1000†	.20	5.0	DA	TO3	
	2N2290	.80	#J	10	1.0	120	1.0	120	5.00	2.0	5.0	20	60	1000†	.20	5.0	DA	TO3	
	2N2291	.80	#J	10	1.0	40	1.0	40	2.00	2.0	5.0	50	120	1000†	.20	5.0	DA	TO3	
	2N2292	.80	#J	10	1.0	80	1.0	80	5.00	2.0	5.0	50	120	1000†	.20	5.0	DA	TO3	
	2N2293	.80	#J	10	1.0	120	1.0	120	5.00	2.0	5.0	50	120	1000†	.20	5.0	DA	TO3	
	2N2294	.80	#J	10													DAA	TO41	
	2N2295	.80	#J	10													DAA	TO41	
	2N2296	.80	#J	10	1.0	120	1.0	120	5.0	2.0	5.0	50	120	1000	.20	5.0	DA	TO41	
	2N2359	.50	1700#J	50			120	2.5	120	5.0	1.50	20	30	90		.018	DAA	TO41	
	2N2423	.80	#J	5.0	5.0	100	30	80	5.0	2.00	2.0	20	100				A	TO3	
	2N2490	.50	1700#J	15			70	40	50	3.0	2.0	5.0	20	40	10	.06	20	AΔ	TO36
	2N2491	.50	1700#J	15			60	30	40	3.0	2.0	5.0	35	70	10	.06	20	AΔ	TO36
	2N2492	.50	1700#J	15			80	60	65	2.0	2.0	5.0	25	50	10	.04	20	AΔ	TO36
	2N2493	.50	1700#J	15			100	80	75	3.0	2.0	5.0	25	50	10	.04	20	AΔ	TO36
	2N2526	1.0	#J	10	5.0	80	5.0	80	3.0	2.00	3.0	20	50				5.5	D	TO3
	2N2527	1.0	#J	10	5.0	120	5.0	120	3.0	2.00	3.0	20	50				5.5	D	TO3
	2N2528	1.0	#J	10	5.0	160	5.0	160	3.0	2.00	3.0	20	50				5.5	D	TO3
	2N2552	3.5	.50	3.0	1.0	40	20	30	.65	.50	1.0	20	60	7.0	.25	A	MT27		
	2N2553	3.5	.50	3.0	1.0	60	20	40	.65	.50	1.0	20	60	7.0	.25	A	MT27		
	2N2554	3.5	.50	3.0	1.0	80	20	50	.65	.50	1.0	20	60	7.0	.25	A	MT27		
	2N2555	3.5	.50	3.0	1.0	100	20	60	.65	.50	1.0	20	60	7.0	.25	A	MT27		
	2N2556	3.5	.50	3.0	1.0	40	20	30	.65	.50	1.0	20	60	7.0	.25	A	MT28		
	2N2557	3.5	.50	3.0	1.0	60	20	40	.65	.50	1.0	20	60	7.0	.25	A	MT28		
	2N2558	3.5	.50	3.0	1.0	80	20	50	.65	.50	1.0	20	60	7.0	.25	A	MT28		
	2N2559	3.5	.50	3.0	1.0	100	20	60	.65	.50	1.0	20	60	7.0	.25	A	MT28		
	2N2560	3.5	.50	3.0	1.0	40	20	30	.65	.50	1.0	20	60	7.0	.25	A	MT27		
	2N2561	3.5	.50	3.0	1.0	60	20	40	.65	.50	1.0	3.0	20	60	7.0	.25	A	MT27	
	2N2562	3.5	.50	3.0	1.0	80	20	50	.65	.50	1.0	3.0	20	60	7.0	.25	A	MT27	
	2N2563	3.5	.50	3.0	1.0	100	20	60	.65	.50	1.0	3.0	20	60	7.0	.25	A	MT27	
	2N2564	3.5	.50	3.0	1.0	40	20	30	.65	.50	1.0	3.0	20	60	7.0	.25	A	TO11	
	2N2565	3.5	.50	3.0	1.0	60	20	40	.65	.50	1.0	3.0	20	60	7.0	.25	A	TO11	
	2N2566	3.5	.50	3.0	1.0	80	20	50	.65	.50	1.0	3.0	20	60	7.0	.25	A	TO11	
	2N2567	3.5	.50	3.0	1.0	100	20	60	.65	.50	1.0	3.0	20	60	7.0	.25	A	TO11	
▼	3N45	#	1.0	750#J	120	1.5	60	28	35	3.0	2.00	5.0	30	120	600\$Δ	.08	4.0	A	TO15
	3N46	#	1.0	750#J	120	1.5	80	28	50	3.0	2.00	5.0	20	80	300\$Δ	.08	6.0	A	TO15
	3N47	#	1.0	750#J	120	1.5	40	28	25	3.0	2.00	5.0	30	120	500\$Δ	.08	4.0	A	TO15
▼	3N48	#	1.0	750#J	120	1.5	60	28	40	3.0	2.00	5.0	20	80	300\$Δ	.08	6.0	A	TO15
	3N49	#	.80	940#J	150	2.0	60	28	35	3.0	2.00	5.0	30	120	600\$Δ	.08	4.0	A	TO36
	3N50	#	.80	940#J	150	2.0	80	28	50	3.0	2.00	5.0	20	80	300\$Δ	.08	6.0	A	TO36
▼	3N51	#	.80	940#J	150	2.0	40	28	25	3.0	2.00	5.0	30	120	500\$Δ	.08	4.0	A	TO36
	3N52	#	.80	940#J	150	2.0	60	28	40	3.0	2.00	5.0	20	80	300\$Δ	.08	6.0	A	TO36
▼	DT4-17		3.0	250#J</td															

6. GERMANIUM PNP - High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. Junction to Case θ_{jc} @ 25°C P_c (°C/W)	MAX. COLL. DISS. in Free Air @ 25°C P_c (Watts)	ABSOLUTE MAX. RATINGS @ 25°C.					MAX. I_{CBO} @ MAX. V_{CB} @ 25°C (ma)	h_{FE}			$\dot{t}-h_{fe}$		$t_{\alpha e}$	MAX. SAT. RES.	$\dot{t}-Id+$ $\dot{t}-Is$ # - tf	DESCRIPTION			
				M A X. T E P M P.	I_C \dot{I}_E	I_B \dot{I}_E	BV _{CBO}	BV _{EBO}	BV _{CES} §-BV _{CER}	MIN.	MAX.	$\dot{t}-f_{orb}$	Dwg. No.								
					(AMP)	(AMP)	(VOLT)	(VOLT)	(VOLT)	\dot{I}_C TYP.	\dot{I}_B TYP.	(Kc)	(OHMS)	(μsec.)							
▼	DT4-18	#J	3.0		80	30	60	1.0	2.0	.50	20	8.0	.75				MT12				
▼	H4A-2	1.0	50#J		60	30		1.0		4.0	10	220	.60	A	TO10						
▼	H4AS1		5.0#A	200	65		30	.80	2.0	.04	95	200		A	TO10						
▼	H5E2	2.2\$	10#J	3.5#0.50	80	28	55	2.0	2.0	2.0	30	75	200\$Δ	.30	AA	TO10					
▼	H5E3	2.2\$	10#J	3.5#0.50	80	28	55	2.0	2.0	2.0	45	113	200\$Δ	.30	AA	TO10					
▼	H5G2	2.2\$	10#J		80	28	60	2.0	2.0	.50	80	150	200\$	1.2	A	TO10					
▼	H5K1P6Q	2.2\$	10#J	3.5 .50	80	28	55		2.0	.270	60	at -55 deg. C.									
▼	H6	2.2\$	34#J	3.5#0.50	80	28	55	2.0	2.0	2.0	30	75	200\$Δ	.30	A	TO10					
▼	H6A	2.2\$	10#J	3.5#0.50	80	28	55	2.0	2.0	2.0	30	75	200\$Δ	.30	AA	TO10					
▼	H10G2	.70\$	25#J		60	28	60	7.0	2.0	2.0	20	40†	75\$	.10	A	MT7				
▼	16T2B	3.0	#J	3.0 .50	30	15	30	1.0	6.0	.075	40	95	4.0Δ	.75	AA	MM3					
▼	16T2C	3.0	#J	3.0 .50	30	15	30	1.0	6.0	.075	40	95	4.0Δ	.75	AA	MM3					
▼	16T9	2.2\$	34#J	3.5#0.50	50	12	50	4.0	2.0	.50	65				A	TO10					
	ST106	.50	#J	15 4.0	60	28	50	7.0	2.0	.00	10	9.0	22	6.0	15	A	TO36				
	ST107	.50	#J	15 4.0	80	28	50	7.0	2.0	.00	10	9.0	22	6.0	15	A	TO36				
	ST108	.50	#J	15 4.0	60	28	50	7.0	2.0	.00	10	19	42	5.0	12	A	TO36				
	ST110	.50	#J	15 4.0	60	28	45	7.0	2.0	.00	10	38	84	3.0	10	A	TO36				
	ST111	.50	#J	15 4.0	80	28	45	7.0	2.0	.00	10	38	84	3.0	10	A	TO36				
▼	ST113	2.5\$	8.0#J	1.0		60	30	60	.075	2.0	.50	60	150		1.0	AA	MS7				
	B178	2.2\$	#J	3.0			30			.50	40						TO3				
▼	202-439	.80	50#J	25		80	12	60	15	1.0	10	50		.40	19	AA	MD7				
▼	213-2		2.5#J	3.0			40										A	TO41			
	251M1	.80	#J			80			60	4.0		5.0	25	50			A	TO36			
	CK258	3.0\$	20#J	3.0 .50	60	30	60	1.0	2.0	.50	21						AA	MT12			
	CK311	3.0\$	20#J	3.0 .50	80	30	80	1.0	2.0	.50	21	40	4.0	.75			A	MM3			
	CK312	3.0\$	20#J	3.0 .50	100	30	100	1.0	2.0	.50	21	40	4.0	.75			A	MM3			
	CK313	3.0\$	20#J	3.0 .50	120	30	120	1.0	2.0	.50	20	36	4.0	.75			A	MM3			
	CK314	3.0\$	20#J	3.0 .50	150	30	150	1.0	2.0	.50	20	36	4.0	.75			A	MM3			
▼	352-0043-00																				
		.80	80#J			80	60	70	8.0	2.0	5.0	25	50	10	.025	A	MT2				
▼	386-1008P1	1.0	65#J	13		80	60	80	2.0	2.0	5.0	40		400	.35	20	A	TO6			
	CK411	3.0\$	20#J	3.0 .50	80	30	80	1.0	2.0	.50	21	40	4.0	.75			AA	MT12			
	CK412	3.0\$	20#J	3.0 .50	100	30	100	1.0	2.0	.50	21	40	4.0	.75			A	MT12			
	CK413	3.0\$	#J	3.0 .50	120	30	120	1.0	2.0	.50	21	36	4.0	.75			A	MT12			
	CK414	3.0\$	#J	3.0 .50	150	30	150	1.0	2.0	.50	21	36	4.0	.75			A	MT12			
	CK415	3.0\$	#J	3.0 .50	200	30		5.0	2.0	.50	21	4.0					A	MT12			
	MP506	.50	170#J	60		75	40	60	4.0	2.0	15	50	100	3.6	.01			A	TO36		
	MP506A	.50	170#J	60		75	40	60	4.0	2.0	15	50	100	3.6	.01			A	TO36		
	MP507	.50	170#J	60		90	45	75	4.0	2.0	15	50	100	3.6	.01			A	TO36		
	MP507A	.50	170#J	60		90	45	75	4.0	2.0	15	50	100	3.6	.01			A	TO36		
▼	TS 798	1.5	50#J	5.0		60	30	1.0	2.0	.50	48						1.0	A	MD1		
▼	CTP1112	1.5	#J	3.0		80		75			2.0	20	300						A		
▼	CTP-1150	1.5\$	10#J				40	20	40	.30	20	.50	50								
	B1151A	1.2\$	#	15		50	25	40	2.0	2.0	4.0	20		400	.25			TO3			
	B1151B	1.2\$	#	15		80	25	70	2.0	2.0	4.0	20		400	.25			TO3			
	B1178	1.2\$	#	10		160	15	160	10	2.0	5.0	40		1000	.15	2.0	DA	TO3			
	B1181	1.8\$	#	25		160	2.0	160	10	2.0	1.5	60		2000	.03	2.0	DA	TO3			
	CDT1315	1.5\$	45#J	8.0 .30	100		75	20	2.0	2.0	2.0	60	150					AA	TO3		
	CDT1320	1.5	45#J	5.0 2.0	60		35	50	5.0	2.0	2.0	20	60	6.0	.30	3.5	A	TO3			
	CDT1321	1.5	45#J	5.0 2.0	80		35	65	5.0	2.0	2.0	20	60	6.0	.30	3.5	A	TO3			
	CDT1322	1.5	45#J	5.0 2.0	100		35	75	5.0	2.0	2.0	20	60	6.0	.30	3.5	A	TO3			
▼	CTP-1322	1.5\$	20#J	5.0		100	30	75	5.0	2.0	2.0	20	60	3.0	.30			A	TO3		
	CTP1500	.80	90#J	15 5.0	100	30	80	8.0	2.0	5.0	30	75			.07		AA	TO3			
	CTP-1520	1.0\$	25#J	13		80	60	15	2.0	1.2	60	120			.06						
	CYT1552	.80	#J	15			100		50	3.0	2.0	10	10	30					AA	TO41	
	CYT1555	.80	#J	15			80		40	3.0	2.0	10	30	60					AA	TO41	
	CYT1556	.80	#J	15		100		50	3.0	2.0	10	30	60					AA	TO41		
	CYT1558	.80	#J	15		60		30	3.0	2.0	10	50	100					AA	TO41		
	CYT1559	.80	#J	15		80		40	3.0	2.0	10	50	100					AA	TO41		
	CYT1560	.80	#J	15		100		60	3.0	2.0	10	50	100					AA	TO41		
	CTP1728	1.4	30#J	5.0 2.0	40		35	25	3.0	2.0	.50	30	75	20	.23	5.0			MS7		
	CTP1730	1.4	30#J	5.0 2.0	100		35	65	3.0	2.0	.50	30	75	12	.23	6.0			MS7		
	CTP1731	1.4	30#J	5.0 2.0	40		35	25	3.0	2.0	.50	60	150	15	.23	6.0			MS7		
	CTP1736	1.4	30#J	5.0 2.0	60		35	40	3.0	2.0	.50	60	150	9.0	.23	6.0			MS7		
	CST1789	2.5	28#J	3.0 2.0	120		35	90	3.0	2.0	.50	30	75	10Δ	.23			AA	MS7		
	1850-002	2.5#J	3.0				40		10					25				A	TO41		
	2851Q	3.0	17#J	2.0		35		35\$	7(R)	1.5	.20	20			3.5Δ	.80			TO3		
	CTP3500	.80	90#J	15 5.0	100		30	80	8.0	2.0	5.0	30	75		.07			AA	TO41		
▼	4096-3037	.84	90#J	3.0		100	12	75	3.0	4.0	1.0	60	140	5.0Δ	.40				TO3		

6. GERMANIUM PNP - High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. Junction to Case θ_{jc} ($^{\circ}\text{C}/\text{W}$)	MAX. COLL. DISS. in Free Air @ 25°C P_c (Watts)	ABSOLUTE MAX. RATINGS @ 25°C .					MAX. I_{CBO} @ MAX. V_{CB} @ 25°C	h_{FE} $\dot{t}-h_{fe}$				f_{req} $\dot{t}-f_{ob}$ (Kc)	MAX. SAT. RES. $\dot{S}-ts$ #-tf	t_r (OHMS) (μsec)	DESCRIPTION	
				I_C $\dot{S}-I_E$	I_B $\dot{S}-I_E$	BV_{CBO}	BV_{EBO}	BV_{CEO}	BIAS	V_{CB} $\dot{S}-V_{CE}$	I_C $\dot{S}-I_B$ $\Delta-I_E$	MIN.	MAX.	S T R U C T U R E				
				(AMP)	(AMP)	(VOLT)	(VOLT)	(VOLT)	(ma)	(VOLT)	(AMP)	(VOLT)	(AMP)	(KC)	(OHMS)	(μsec)		
▼	LT5043	3.0	#J	3.0	.50	120	15	100	2.5	2.00	.50	20		100	1.0			
▼	A99240-133	3.5	200#J	3.0		60	20	30	.750	.50	1.0	20		5.0	.25		RO28	
▼	A99240-135	3.5	200#S	3.0		60	20	30	.750	1.00	3.0	20		5.0	.25		MT27	
▼	129499	.80	250#J	15	5.0	60		60	4.00	2.00	5.0	60	150	4.0			A TO3	
▼	410843-1		500	5.0		60			2.0		.75	70					TO3	
▼	617963-1	2.2	#J	3.5	.50	80	28	55	2.0	280	.15	45		200#-55	deg.C		TO10	
▼	632246-2	1.3	31.5#S	3.5		80	28	80#	10	2.00	2.0	30	75		.30		F TO10	
▼	752664-2	.80	500#J	150	4.0	80	60	40	8.0	2.0	1.2	40	80	100	.06	15	AΔ TO36	
▼	836709	.80	#J	13	4.0	100	60	45	10	2.00	1.2	40	80	10	.06	20	TO36	
▼	908291	1.0	750#J	120	1.5	60	28	35	4.00	2.00	5.0	30	120	600#Δ	.08	4.0	A TO15	
▼	928201-1	.70	1000#J	15	2.5	60	28	60#	5.0	2.00	5.0	40			.08		MT7	
▼	928201-3	2.2	110#J	3.00	.70	60	25	55	2.0	2.00	2.0	45	113	5.0	.30		A TO10	
▼	928201-5	12.7	5.50#S	3.00		80	20	25	.75	1.00	.25	40	80	5.0	.25		RO28	
▼	928201-6	2.14	350#J	3.00		80	1.0	400	2.0	2.00	.50	50	200	15.0	.80	.50	MD1	
▼	965927-401	.80	#J	15	4.0	100	60	65	8.0	2.00	5.0	25		10	.058	15	MT2	
▼	1776461-2	2.2	31.50#J	.50		60	30	60#	2.00						.30		F TO10	
▼	1978820	.70	#J	15	2.5	60	28	50	10	2.00	5.0	40			.08		MT7	
▼	1978849	24	1.5#J	.50	.10	40	40	40#	.10	1.0	.40	20		1.3	.37	A N77		
▼	1979813	2.2	#J	3.50	.50	80	28	80#	10	2.00	2.0	45	113	6.0	3.0	.45	MT7	
▼	1980408	12.7	5.50#S	30		80	20	25	.75	1.00	.25	40	80	5.0	.40		MT27	
▼	1980414	1.5	700#S	150		80	30		15		5.0	60	150	4.0	.07		TO3	
▼	2012845-1	3.0	#J	3.0	.50	60	30	60	1.0	2.00	.50	21		4.0	.75		AΔ MM3	
▼	2019614-2	1.0	700#J	13		80	60		15	2.0	1.2	40	80	250	.05		MT2	
▼	2020728	3.5	200#J			40	20	20#	.1250	1.0	3.0	20	60		.25		MT28	
▼	2028539	5.50#J	3.0	1.0		60	20	60#	.75			350			.20	▼	RO28	
▼	N2088276-3	2.0	250#J	5.0				75#	5.0		3.0Δ	50	100				MD8	
▼	2111275	1.5	140			80		60#	2.0		2.0	20			.50		TO3	
▼	2156874	.80	900#J	5.0		100	50	50	2.00	2.00	3.0	35†	70†		.40		TO3	
▼	2237433	24	1.5#J	.50	.10	40	40	40#	.10	1.0	.40	20		1.3	.37	A N77		
▼	7271744	.50	50#J	150	4.0	100	80	65	4.0	2.0	5.0	25	50	10	.06	15	AΔ TO6	
▼	7733718-1	2.2	#J	5.0	.50	60	25	60#	2.0	.600	2.0	10		60	.30	45	TO10	
▼	8935901-1	1.5	500#A	5.0		70	20	450	.20	1.50	2.0	20	60	5.0			TO3	
▼	8935912-1	.50	14.30#S	30		80	28	50#	40	5.00	2.0	35	85	50	.05		MT7	

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

□ - MECHANICAL AND ENVIRONMENTAL TEST.

♦ - PREFERRED TYPE - MIL-STD 701

7. GERMANIUM NPN—High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. in Free Air @25°C θ_{jc} (°C/W)	MAX. COLL. DISS. X. T E M. P.	ABSOLUTE MAX. RATINGS @ 25°C.					MAX. I_{CBO} @ MAX. V _{CB} @ 25°C	h_{FE}			$t_{\alpha e}$	MAX. SAT. RES.	$\frac{1}{2}t_{td+}$ $\frac{1}{2}t_r$ $\frac{1}{2}t_s$ $\# - t_f$	DESCRIPTION	
				I_C D-E	I_B D-E	BV _{CBO}	BV _{EBO}	BV _{CES} S-BV _{CER}		I_C D-E	BIAS	MIN.	MAX.			S T R U C T U R E	Dwg. No.
▼	2N95	10	2D J	1.5		25	15	150		1.50	.50	10	400		2.0		MM1
▼	2N102/13	12.5	1.0 D J	1.5		30	15	30	2.0	1.50	.50	11			2.0		A TO13
▼	2N144	12	1.0	.80		30		300	5.0	6.00	.25	10	400		6.0		MM2
▼	2N144/13	12.5	1.0 D J	.80		60	30	60	6.0	4.00	.25	11			6.0		A TO13
▼	2N326	8.00	7D #J	2.0		35		35	.30	1.00	1.0	15	60	150 \dagger Δ	1.2		A MD9
◆	JAN2N326	8.5	7.00#S			35	15	350	.50	1.00	1.0	15	60	150 \dagger 1.2			MD1
▼	2N468	5.00	12 #J	3.0	.50	60	15	45	2.0	2.00	1.0	15	80	150 \dagger 1.2			A
	2N1218	10	6D #J	2.0		45		450	3.0	1.50	.10	40	160	7.0 Δ 1.0	1.5		TO3
	2N1292	3.00	25D#J	3.0	.50	35	15	30	1.0	2.00	.50	30		150 \dagger 1.0			TO3
	2N1294	3.00	25D#J	3.0	.50	60	15	45	2.0	2.00	.50	30		150 \dagger 1.0			AA TO3
	2N1296	3.00	25D#J	3.0	.50	80	15	600	3.0	2.00	.50	30		150 \dagger 1.0			AA TO3
	2N1321	3.00	25D#J	3.0	.50	35	15	300	1.0	2.00	.50	30	500	150 \dagger 1.0			TO10
	2N1323	3.00	25D#J	3.0	.50	60	15	450	2.0	2.00	.50	30	500	150 \dagger 1.0			TO10
	2N1325	3.00	25D#J	3.0	.50	80	15	600	3.0	2.00	.50	30	500	150 \dagger 1.0			TO10
	2N1330	3.0	23D#J	3.0		60	15	40	1.5	2.00	.50	30	90		1.0		A TO13
▼	N2088436-2	10	400J	.80		60		30	250		.05Δ	30		400 \dagger			TO13

8. SILICON PNP—High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. in Free Air @25°C θ_{jc} (°C/W)	MAX. COLL. DISS. X. T E M. P.	ABSOLUTE MAX. RATINGS @ 25°C.					MAX. I_{CBO} @ MAX. V _{CB} @ 25°C	h_{FE}			$t_{\alpha e}$	MAX. SAT. RES.	$\frac{1}{2}t_{td+}$ $\frac{1}{2}t_r$ $\frac{1}{2}t_s$ $\# - t_f$	DESCRIPTION	
				I_C D-E	I_B D-E	BV _{CBO}	BV _{EBO}	BV _{CES} S-BV _{CER}		I_C D-E	BIAS	MIN.	MAX.			S T R U C T U R E	Dwg. No.

Types in this category were not stock types at the time of this printing.

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▼ — TYPE NUMBER IN NAVY STOCK SYSTEM
 □ — MECHANICAL AND ENVIRONMENTAL TEST
 ♦ — PREFERRED TYPE — MIL-STD 701

9. SILICON NPN—High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. Junction to Case θ_{jc} (°C/W)	MAX. COLL. DISS. in Free Air @25°C P_c (Watts)	M A X. T E M P.	ABSOLUTE MAX. RATINGS @ 25°C.					MAX. I_{CBO} @ MAX. V _{CB} @ 25°C	h_{FE}				\dot{h}_{fe}		t_r	DESCRIPTION STRUCTURE Dwg. No.				
					I_C	I_B	BV _{CBO}	BV _{EBO}	BV _{CES}	BV _{CER}	BIAS		MIN.		MAX.							
					$\phi^{-1}E$	$\phi^{-1}E$	(AMP)	(AMP)	(VOLT)	(VOLT)	(ma)	V _{CB}	I_C	$\phi^{-1}B$	$\phi^{-1}E$	$\phi^{-1}TYP.$	$\phi^{-1}TYP.$					
▼	2N122	7.1	90 ϕ J	.14		120	1.0				.10	35	.10	3.0		100 \dagger	200	G	MS6			
◆	2N389	2.1	85 ϕ J	2.0			10	60 ϕ			10 ϕ	150	1.0	12	60			5.0	DΔ	MS3		
◆	USN2N389	2.05	85 ϕ J				10	60 ϕ			150	1.0	15	60				5.0	MS3			
▼	2N389/I	2.08	8	3.0		60	10	60			10	150	1.0	12	60	2500 \dagger	5.0	.90	MS3			
◆	2N389A	2.1	85 ϕ J	3.0		60	10	60 ϕ			10	150	1.0	12	60	2000 \dagger	.75	DΔ	MS3			
◆	2N389A/I	2.08	8	3.0		60	10	60			4.0 ϕ	1.0	12	60	2500 \dagger	.75	.90	MS3				
▼	2N424	2.06	85 ϕ J	2.0			10	80 ϕ			10	150	1.0	12	60		10		ME	MS3		
▼◆	USN2N424	2.05	85 ϕ J				10	80 ϕ			150	1.0	15	60			10		MS3			
▼	2N424/I	2.08	8	3.0		80	10	80			10	150	1.0	12	60	2500 \dagger	1.0	.90	MS3			
▼	2N424A	2.1	85 ϕ J	3.0		80	10	80 ϕ			10	150	1.0	12	60	2000 \dagger	.75	DΔ	MS3			
▼	2N424A/I	2.08	8	3.0		80	10	80			4.0 ϕ	1.0	12	60	2500 \dagger	.75	.90	MS3				
▼	2N497	44	40 ϕ J			60	8.0	60			.01 ϕ	100	.20	12	36		25		ME	T05		
▼	JAN2N497	44	40 ϕ J			60	8.0	60			.01 ϕ	100	.20	12	36		25		ME	T05		
▼	2N1015	.70*	150 ϕ J	7.5	5.0	30	25	30			10	4.0 ϕ	2.0	10	140	25	.75	6.0 ϕ	FΔ	MT1		
▼	2N1015A	.70*	150 ϕ J	7.5	5.0	60	25	60			10	4.0 ϕ	2.0	10	140	25	.75	6.0 ϕ	FΔ	MT1		
▼	2N1015B	.70*	150 ϕ J	7.5	5.0	100	25	100			10	4.0 ϕ	2.0	10	140	25	.75	6.0 ϕ	FΔ	MT1		
▼	2N1015C	.70*	150 ϕ J	7.5	5.0	150	25	150			10	4.0 ϕ	2.0	10	140	25	.75	6.0 ϕ	FΔ	MT1		
▼	2N1015D	.70*	150 ϕ J	7.5	5.0	200	25	200			10	4.0 ϕ	2.0	10	140	25	.75	6.0 ϕ	FΔ	MT1		
▼	2N1015E	.70*	150 ϕ J	7.5	5.0	250	25	250			10	4.0 ϕ	2.0	10	140	25	.75	6.0 ϕ	FΔ	MT1		
▼	2N1016	.70*	150 ϕ J	7.5	5.0	30	25	30			10	4.0 ϕ	5.0	10	180	30	.50	6.0 ϕ	FΔ	MT1		
▼	2N1016A	.70*	150 ϕ J	7.5	5.0	60	25	60			10	4.0 ϕ	5.0	10	180	30	.50	6.0 ϕ	FΔ	MT1		
▼	2N1016B	.70*	150 ϕ J	7.5	5.0	100	25	100			10	4.0 ϕ	5.0	10	180	30	.50	6.0 ϕ	FΔ	MT1		
◆	USA2N1016BM	.70	150 ϕ J	7.5	100	25	100			1.0	4.0 ϕ	5.0	10	35	20	.50	10		MT1			
▼	2N1016C	.70*	150 ϕ J	7.5	5.0	150	25	150			10	4.0 ϕ	5.0	10	180	30	.50	6.0 ϕ	FΔ	MT1		
▼	USA2N1016CM	.70	150 ϕ J	7.5	150	25	150			1.0	4.0 ϕ	5.0	10	35	20	.50	10		MT1			
▼	2N1016D	.70*	150 ϕ J	7.5	5.0	200	25	200			10	4.0 ϕ	5.0	10	180	30	.50	6.0 ϕ	FΔ	MT1		
▼	2N1016E	.70*	150 ϕ J	7.5	5.0	250	25	250			10	4.0 ϕ	2.0	10	180	30	.50	6.0 ϕ	FΔ	MT1		
▼	2N1047	4.4	40 ϕ J			80	6.0	80			.015 ϕ	100	.50	12	36		15		ME	MT5		
▼	2N1047A	4.4	40 ϕ J	.50			10				.015 ϕ	100	.50	12	36		15		ME	MT5		
▼	USN2N1047A	4.4	40 ϕ S	500		80	10	80			.25	100	.50	12	36	2000\$	15			MT5		
▼	2N1047B	4.4	40 ϕ J	.75		80	10	80			.015 ϕ	100	.50	12	36	12M\$	4.0			MT5		
▼	2N1047C	4.4	40 ϕ J	80# 1.0#		80	10	80			.001 ϕ	100	.50	12	36	12M\$	2.0			MT5		
▼	2N1048	4.4	1.0 ϕ J			120	6.0	120			.015 ϕ	100	.50	12	36		15		ME	MT5		
▼	2N1048A	4.4	1.0 ϕ J	.50		120	10	120			.015 ϕ	100	.50	12	36		15		ME	MT5		
▼	USN2N1048A	4.4	40 ϕ S	500		120	10	120			.25	100	.50	12	36	2000\$	15			MT5		
▼	2N1048B	4.4	1.0 ϕ J	.75		120	10	120			.015 ϕ	100	.50	12	36	12M\$	4.0			ME	MT5	
▼	2N1048C	4.4	40 ϕ J	80# 1.0#		120	10	120			.001 ϕ	100	.50	12	36	12M\$	2.0			ME	MT5	
▼	2N1049	4.4	1.0 ϕ J	.50		80	6.0	80			.015 ϕ	100	.50	30	90		15		ME	MT5		
▼	2N1049A	4.4	1.0 ϕ J	.50		80	10	80			.015 ϕ	100	.50	30	90		15		ME	MT5		
▼	USN2N1049A	4.4	40 ϕ S	500		80	10	80			.25	100	.50	30	90	2000\$	15			MT5		
▼	2N1049B	4.4	1.0 ϕ J	.75		80	10	80			.015 ϕ	100	.50	30	90	12M\$	4.0			ME	MT5	
▼	2N1049C	4.4	40 ϕ J	80# 1.0#		80	10	80			.001 ϕ	100	.50	30	90	12M\$	2.0			ME	MT5	
▼	2N1050	4.4	1.0 ϕ J	.50		120	6.0	120			.015 ϕ	100	.50	30	90		15		ME	MT5		
▼	2N1050A	4.4	1.0 ϕ J	.50		120	10	120			.015 ϕ	100	.50	30	90		15		ME	MT5		
◆	USN2N1050A	4.4	40 ϕ S	500		120	10	120			.25	100	.50	30	90	2000\$	15			ME	MT5	
▼	2N1050B	4.4	1.0 ϕ J	.75		120	10	120			.015 ϕ	100	.50	30	90	12M\$	4.0			ME	MT5	
▼	2N1050C	4.4	40 ϕ J	80# 1.0#		120	10	120			.001 ϕ	100	.50	30	90	12M\$	2.0			ME	MT5	
▼	2N1068	15	100 ϕ S	1.5 .50	60	12	30			.50	4.0 ϕ	.75	15	75	1500 \dagger	2.7	1.6		DΔ	TO8		
▼	2N1069	3.0	50 ϕ S	4.0 1.3	60	9.0	45			1.0	4.0 ϕ	1.5	10	50	1200 \dagger	2.0	1.8		DΔ	TO3		
▼	2N1208	2.2 ϕ	45 ϕ J	5.0		60	10	60			10	120	2.0	15	40 ϕ	12M \dagger	2.5	.25	D	MT10		
▼	2N1208/I	2.2	8	5.0		60	10	60			120	2.0	15	60	2500 \dagger	2.5	.90			MT10		
▼	2N1210	2.5	30 ϕ S	5.0		60	8.0	60			20	120	2.0	15	75# 75#	15 \dagger	1.0	1.2	D	MS2		
▼	2N1210/I	2.5	8	5.0		60	8.0	60			20	120	2.0	15	75	2500 \dagger	1.0	.90			MS3	
▼	2N1211	2.5 ϕ	30 ϕ S	5.0		80	8.0	80			10 ϕ	120	1.0	15# 75#	15 \dagger	1.0	1.2	D	MS2			
▼	2N1211/I	2.5	8	5.0		80	8.0	70			10	120	2.0	15	75	2500 \dagger	1.0	11			MS3	
▼	2N1212	2.2 ϕ	45 ϕ S	3.0		60	10	60			10	150	1.0	12	60	10M \dagger	4.0	.25	D	MT10		
▼	2N1212/I	2.22	8	5.0		60	10	60			10	150	1.0	12	36	2500 \dagger	5.0	11			MT10	
▼	2N1250	2.5 ϕ	8A			60					2.0	150	2.0	15	60	2500 \dagger	25	.90			MS3	
▼	2N1250/I	2.22	8	5.0		60	10	60			15	60	2.0	150	2.0	60	2500 \dagger	25	.90			MS3
▼	2N1470	3.0 ϕ	55 ϕ J	1.0		60	3															

9. SILICON NPN - High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. in Free Air @25°C	MAX. COLL. DISS. @25°C	MAX. A.X.	ABSOLUTE MAX. RATINGS @ 25°C.					MAX. V _{CB} @ 25°C	h_{FE}				f _{ore}	MAX. SAT. RES.	\emptyset -td+ t_r	STRUCTURE	DESCRIPTION					
					I_C	I_B	BV _{CBO}	BV _{EBO}	BV _{CEO}		I_{CBO} @ MAX.	h_{FE}												
					(AMP)	(AMP)	(VOLT)	(VOLT)	(VOLT)		(ma)	BIAS	MIN.	MAX.										
	2N1488	2.33	75 \emptyset S	6.0	3.0	100	10	55	.025 \emptyset	4.0 \emptyset	1.5	15	45	1000 \dagger	2.7	1.0	MEΔ	MD6						
▼	2N1490	2.33	75 \emptyset S	6.0	3.0	100	10	55	.025 \emptyset	4.0 \emptyset	1.5	25	75	1000 \dagger	1.0	1.0	MEΔ	MD6						
	2N1511	2.33	75 \emptyset A	6.0	3.0	60	10	40	.025	4.0 \emptyset	1.5	15	45	1000 \dagger	2.7	1.0 \dagger	Δ	TO36						
	2N1512	2.33	75 \emptyset A	6.0	3.0	100	10	55	.025	4.0 \emptyset	1.5	15	45	1000 \dagger	2.7	1.0 \dagger	Δ	TO36						
	2N1514	2.33	75 \emptyset A	6.0	3.0	100	10	55	.025	4.0 \emptyset	1.5	25	75	1000 \dagger	1.0	1.0 \dagger	Δ	TO36						
	2N1616	2.5 \dagger	30 \emptyset S	5.0		60	8.0	60	10 \emptyset	12 \emptyset	2.0	15#	75 $\#$	15 \dagger	1.0#1.0	Δ	MT10							
	2N1616/I	2.5	8	5.0		60	8.0		10	12 \emptyset	2.0	15	75	2500 \dagger	1.0	.90		MT10						
	2N1616A	2.08	85 \emptyset J	7.5	2.0	60	10	60	1.0	4.0 \emptyset	2.0	15	45	1.5 \dagger	.50	1.8	D	MT10						
	2N1617	2.5 \dagger	30 \emptyset S	5.0		80	8.0	70	10 \emptyset	12 \emptyset	2.0	15#	75 $\#$	15 \dagger	1.0#1.0	D	MT10							
▼	2N1617/I	2.5	8	5.0		80	8.0	70	10	12 \emptyset	2.0	15	75	2500 \dagger	1.0	.90		MT10						
	2N1617A	2.08	85 \emptyset J	7.5	2.0	80	10	70	1.0	4.0 \emptyset	2.0	15	45	1.5 \dagger	.50	1.8	D	MT10						
	2N1618	2.5 \dagger	30 \emptyset S	5.0		100	8.0	80	10 \emptyset	12 \emptyset	2.0	15#	75 $\#$	15 \dagger	1.0#1.0	D	MT10							
	2N1618/I	2.5	8	5.0		100	8.0	80	10	12 \emptyset	2.0	15	75	2500 \dagger	1.0	.90		MT10						
	2N1618A	2.08	85 \emptyset J	7.5	2.0	100	10	80	1.0	4.0 \emptyset	2.0	15	45	1.5 \dagger	.50	1.8	D	MT10						
▼	2N1620	2.5 \dagger	30 \emptyset J	5.0		100	8.0	80	10 \emptyset	12 \emptyset	2.0	15#	75 $\#$	15 \dagger	1.0#1.0	MS2								
	2N1620/I	2.5	8	5.0		100	8.0	80	10	12 \emptyset	2.0	15	75	2500 \dagger	1.0	.91	MS3							
	2N1647	3.8 \dagger	20 \emptyset J	3.0	.50	80	6.0	60	.10 \emptyset	10 \emptyset	.50	15#	45 $\#$	10M \dagger	3.0#1.0	DME	MT11							
	2N1648	3.8 \dagger	20 \emptyset J	3.0	.50	120	6.0	80	.10 \emptyset	10 \emptyset	.50	15#	45 $\#$	10M \dagger	3.0#1.0	DME	MT11							
▼	2N1650	3.8 \dagger	20 \emptyset J	3.0	.50	120	6.0	80	.10 \emptyset	10 \emptyset	.50	30#	90 $\#$	10M \dagger	3.0#1.50	DME	MT11							
	2N1657	3.0 \dagger	55 \emptyset J	2.0		60	3.0	60 \emptyset	5.0	5.0 \emptyset	1.0	15		1000 \dagger △	3.0		PD	MS3						
▼	2N1660	2.06 \emptyset	85 \emptyset J	2.0		60	10	60 \emptyset		15 \emptyset	1.0 \emptyset	45	135	25M \dagger	4.0	.11 \emptyset	PDA	MS3						
▼	2N1661	2.06 \emptyset	85 \emptyset J	2.0		80	10	80 \emptyset		15 \emptyset	1.0 \emptyset	45	135	25M \dagger	4.0	.11 \emptyset	PDA	MS3						
	2N1662	2.06 \emptyset	85 \emptyset J	2.0		100	10	100 \emptyset		15 \emptyset	1.0 \emptyset	45	135	25M \dagger	4.0	.11 \emptyset	PDA	MS3						
	2N1675	1.25	100 \emptyset J	10				5.0	70 \emptyset	10 \emptyset	1.0	25	44 \emptyset	50M \dagger	.50	.18 \emptyset	D	TO32						
	2N1691	4.4	1.0 \emptyset J	.75		120	10	120	.015 \emptyset	10 \emptyset	.50	20	60		15			ME	MT5					
	2N1715	7.5	.80 \emptyset J	1.0		6.0	100	.05	5.0 \emptyset	.20	20	60	16M \dagger	10			ME	TO5						
	2N1716	7.5	.80 \emptyset J	1.0		6.0	60	.05	5.0 \emptyset	.20	40	120	16M \dagger	10			ME	TO5						
	2N1717	7.5	.80 \emptyset J	1.0		6.0	100	.05	5.0 \emptyset	.20	40	120	16M \dagger	10			ME	TO5						
	2N1718	7.5	2.0 \emptyset J	1.0		6.0	60	.05	5.0 \emptyset	.20	20	60	16M \dagger	10			ME	MT13						
	2N1719	7.5	2.0 \emptyset J	1.0		6.0	100	.05	5.0 \emptyset	.20	20	60	16M \dagger	10			ME	MT13						
	2N1720	7.5	2.0 \emptyset J	1.0		6.0	60	.05	5.0 \emptyset	.20	40	120	16M \dagger	10			ME	MT13						
	2N1721	7.5	2.0 \emptyset J	1.0		6.0	100	.05	5.0 \emptyset	.20	40	120	16M \dagger	10			ME	MT13						
▼	2N1722	1.5 \dagger	3.0 \emptyset J	7.5	5.0	10	80	2.0	15 \emptyset	2.0	20	90	10M \dagger	.50			ME	MS3						
	2N1722/I	2.08	8	7.5		120	10	80	10	15 \emptyset	2.0	20	90	2500 \dagger	.50	.90	MS3							
	2N1724	1.5 \dagger	3.0 \emptyset J	7.5	5.0	10	80	2.0	15 \emptyset	2.0	20	90	10M \dagger	.50			ME	MT10						
	2N1724/I	2.08	8	7.5		120	0	80	10 \emptyset	15 \emptyset	2.0	20	90	2500 \dagger	.50	.90		MT10						
	2N1768	4.4	40 \emptyset S	3.0	1.5	60	12	40	.015 \emptyset	4.0 \emptyset	.75	35	100	1250 \dagger	1.0	1.0	D							
	2N1769	4.4	40 \emptyset C	3.0	1.5	100	12	55	.015 \emptyset	4.0 \emptyset	.75	35	100	1250 \dagger	1.0	1.0	D							
	2N1810	.45 \dagger	250 \emptyset J	30	10	100	15	100	10	4.0 \emptyset	10	10	14 \emptyset	14	.15	12 \emptyset	FΔ	MT14						
	2N1811	.45 \dagger	250 \emptyset J	30	10	150	15	150	10	4.0 \emptyset	10	10	14 \emptyset	14	.15	12 \emptyset	FΔ	MT14						
	2N1812	.45 \dagger	250 \emptyset J	30	10	200	15	200	10	4.0 \emptyset	10	10	14 \emptyset	14	.15	12 \emptyset	FΔ	MT14						
	2N1813	.45 \dagger	250 \emptyset J	30	10	250	15	250	10	4.0 \emptyset	10	10	13 \emptyset	12	.15	12 \emptyset	FΔ	MT14						
	2N1814	.45 \dagger	250 \emptyset J	30	10	300	15	300	10	4.0 \emptyset	10	10	12 \emptyset	11	.15	12 \emptyset	FΔ	MT14						
	2N1817	.45 \dagger	250 \emptyset J	30	10	100	15	100	10	4.0 \emptyset	15	10	14 \emptyset	14.5	.10	17 \emptyset	FΔ	MT14						
	2N1818	.45 \dagger	250 \emptyset J	30	10	150	15	150	10	4.0 \emptyset	15	10	14 \emptyset	14.5	.10	17 \emptyset	FΔ	MT14						
	2N1841	10	13 \emptyset J	2.0 \emptyset		6.0	50			10 \emptyset	.50 Δ	30 \dagger	100 \dagger	78M \dagger	1.0		E	TO38						
	2N1886	3.8 \dagger	20 \emptyset J	5.0		60	6.0	60	.35	10 \emptyset	.50	20#	80 $\#$	10 \dagger	5.0#1.0	D	MT11							
	2N1894	2.06 \emptyset	85 \emptyset J	2.0		60	10	60		15 \emptyset	1.0 \emptyset	12	60	25M \dagger	5.0		DA	MT16						
	2N1895	2.06 \emptyset	85 \emptyset J	2.0		80	10	80		15 \emptyset	1.0 \emptyset	12	60	25M \dagger	10		DA	MT16						
	2N1896	2.06 \emptyset	85 \emptyset J	2.0		60	10	60 \emptyset		15 \emptyset	1.0 \emptyset	45	135	25M \dagger	4.0	.11 \emptyset	DA	MT16						
	2N1897	2.06 \emptyset	85 \emptyset J	2.0		80	10	80 \emptyset		15 \emptyset	1.0 \emptyset	45	135	25M \dagger	4.0	.11 \emptyset	DA	MT16						
	2N1898	2.06 \emptyset	85 \emptyset J	2.0		100	10	100 \emptyset		15 \emptyset	1.0 \emptyset	45	135	25M \dagger	4.0	.11 \emptyset	DA	MT16						
	2N1900	1.0	J	10	5.0	140	5.0	100 \emptyset		120 \emptyset	2.0	10	10	20	50M \dagger	.20		ME	MT3					
	2N1901	1.0	J	10	5.0	140	5.0	100 \emptyset		250	2.0 \emptyset	10	10	20	50M \dagger	.20		D	MT3					
	2N1902	1.0 \emptyset	J	10	5.0	140	5.0	100 \emptyset		120 \emptyset	2.0	10	10	20	50M \dagger	.20		MEΔ	MT16					
	2N1903	1.0	J	10	5.0	140	5.0	100 \emptyset		250	2.0 \emptyset	10	10	20	50M \dagger	.20		MEΔ	MT16					
	2N2016	1.17	150 \emptyset C	10	6.0	130	10	65	.05 \emptyset	4.0 \emptyset	5.0	15	50	25	.25			TO36						
	2N2018	3.8 \dagger	20 \emptyset S	2.0	.50	150	6.0																	

NAVWEPS 16-1-530
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9. SILICON NPN - High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. Junction to Case θ_{jc} (°C/W)	MAX. COLL. DISS. in Free Air @25°C Pc (Watts)	M A. X. T E P M. P.	ABSOLUTE MAX. RATINGS @ 25°C.				MAX. I _{CBO} @ MAX. @ 25°C	h_{FE}				f _{ce} f-fab	MAX. SAT. RES.	ϕ_{td+} ϕ_{ts} #-tf	DESCRIPTION				
					I _C D-E	I _B D-E	BV _{CBO}	BV _{EBO}		BV _{CES} -BV _{CER}	V _{CB}	I _C D-E	BIAS	MIN.	MAX.						
					(AMP)	(AMP)	(VOLT)	(VOLT)		(VOLT)	(ma)	(VOLT)	D-TYP.	D-TYP.	(K _c)	(OHMS)	(μsec.)	STRUCTURE	Dwg. No.		
	2N2112	.45	250	J	30	10	200	15	200		10	4.0	10	10	140	14	.15	120	FΔ	MT17	
	2N2113	.45	250	J	30	10	250	15	250		10	4.0	10	10	130	12	.15	120	FΔ	MT17	
	2N2114	.45	250	J	30	10	300	15	300		10	4.0	10	10	120	11	.15	120	FΔ	MT17	
	2N2196	750	2.0	J			80	8.0	60			100	.20	30#	90#	15M	1K#		MEΔ	MD14	
	2N2201	750	2.0	J			120	10	100			100	.20	30	90	15M	8.5		D	MD14	
	2N2202	1500	1.0	J			120	10	100		.05	100	.20	30	90	15M	8.5		D	RO45	
	2N2203	1500	1.0	J			120	10	100		.05	100	.20	30	90	15M	8.5		D	RO46	
	2N2204	1500	1.0	J			120	10	100		.05	100	.20	30	90	15M	8.5		D	MT19	
	2N2308	7.0	\$	3.0			100	12	100		.25	4.0	1.0	20	60	2500†	1.0	.90			
	2N2340	8.0	3.0	J	1.0	.20	50	4.0	40		.50	6.0	.75	10	40	900	4.7	.15	AD	TO37	
	2N2383	2.0	85	S	2.0		80	8.0	60		1.0	4.0	1.5	20	60	3000\$	.67	.90	D	MS3
	2N2384	2.0	85	S	5.0		80	8.0	60		1.0	4.0	1.5	20	60	3000\$	.67	.90	D	MT10
	2N2404	1.750	80	\$	1.0		60	5.0	60		.05	2.50	.60	40	120	150M†	2.5#	.02	EΔ	TO5	
	2N2485	20	8.70	A	1.0	.05	120	2.0	120		500	10	.50	10	250	Po-5W/100Mc	ME	TO5			
	2N2486	20	8.70	A	1.0	.05	140	2.0	140		500	10	.50	10	250	Po-3W/200Mc	ME	TO5			
	2N2580	.70*	150	J	5.0	1.0	400	5.0	400		5.0	2.5	5.0	10	50	75	.25	2.10	D	TO36	
	2N2632	3.75	400	J	5.0	.50	90	8.0	60		.1u0	2.00	1.0	40	120	30M	.25	.08	PLΔ	MT24	
	2N2633	3.75	400	J	5.0	.50	120	8.0	80		.1u0	2.00	1.0	40	120	30M	.25	.08	PLΔ	MT24	
	2N2634	3.75	400	J	5.0	.50	150	8.0	100		.1u0	2.00	1.0	40	120	30M	.25	.08	PLΔ	MT24	
	7B1	15	2.0	J			80	10	60		.05	100	.20	12	36	15M†	8.5		D	MD14	
	7B2	15	2.0	J			80	10	60		.05	100	.20	30	90	15M†	8.5		D	MD14	
	7B3	15	2.0	J			120	10	100		.05	100	.20	12	36	15M†	8.5		D	MD14	
	7C2	15	1.0	J			80	10	60		.05	100	.20	30	90	15M†	8.5		D	RO45	
	7D2	15	1.0	J			80	10	60		.05	100	.20	30	90	15M†	8.5		D	RO46	
	7E2	15	1.0	J			80	10	60		.05	100	.20	30	90	15M†	8.5		D	MT19	
	7F1	25	1.0	J			80	10	60		.05	100	.20	12	36	15M†	8.5		D	MT20	
	7F2	25	1.0	J			80	10	60		.05	100	.20	30	90	15M†	8.5		D	MT20	
	7F3	25	1.0	J			120	10	100		.05	100	.20	12	36	15M†	8.5		D	MT20	
	7F4	25	1.0	J			120	10	100		.05	100	.20	30	90	15M†	8.5		D	MT20	
▼	05-990110	.70	\$	J	5.0	5.0	200	25	200#		20	2.0	2.0	10			.75		F	MT1	
▼	046HO2	.70		J				25	150\$			4.0	5.0	10			.50			MT1	
▼	75-269-001	7.0	250	J	3.5	1.5	100	12	55		.0150	4.0	.75	35	100	1.25†	1.0	1.0	MEΔ	TO8	
▼	94-079	14.3	8.30	J	140		120		120\$		100	.08	10							MS6	
	AMF103	2.1	85	J	4.0		100		.50	1000		150	1.0	10	50	1000†	5.0		MEΔ	MS3	
	AMF105	2.33	750	J	4.0		60		.50	600		150	1.0	10	50	1000†	5.0		MEΔ	TO3	
	AMF106	2.33	750	J	4.0		100		.50	1000		150	1.0	10	50	1000†	5.0		MEΔ	TO3	
▼	107-342-3	.70	150	J	7.5	5.0	100	25	100		20	4.0	5.0	10		300†	.50	6.0	†	MT1	
▼	107-343-4	4.4	1.0	S			120	6.0	120#		150	100	.50	30	90				ME	MT5	
	AMF109	2.1	85	J	4.0		100		.50	1000		150	1.0	10	50	1500†	5.0		MEΔ	MT10	
	109uB	.50\$	200	J	20	10	100	15	100		10	4.0	10	10	140	14	.15	120	FΔ	MT1a	
	109uC	.50\$	200	J	20	10	150	15	150		10	4.0	10	10	140	14	.15	120	FΔ	MT1a	
	109uD	.50\$	200	J	20	10	200	15	200		10	4.0	10	10	140	14	.15	120	FΔ	MT1a	
	AMF115	2.33	750	J	7.5		60		.50	600		150	2.0	10	50	1000†	5.0		MEΔ	TO3	
	AMF116	2.33	750	J	7.5		60		.50	600		150	2.0	10	50	1000†	1.5		MEΔ	TO3	
	AMF117	2.33	750	J	4.0		55		.50	550		150	1.0	10	50	1000†	5.0		MEΔ	TO3	
	AMF117A	2.33	750	J	4.0		55		.50	550		150	1.0	10	50	1000†	.80		MEΔ	TO3	
	AMF118	2.33	750	J	4.0		45		.50	450		150	1.0	10	50	1000†	5.0		MEΔ	TO3	
	AMF118A	2.33	750	J	4.0		45		.50	450		150	1.0	10	50	1000†	.80		MEΔ	TO3	
	151-08	.70\$	100	J	6.0	3.0	160	25	80		10	4.0	1.5	11	46		.83	100	FΔ	MT1	
	151-09	.70\$	100	J	6.0	3.0	180	25	90		10	4.0	1.5	11	46		.83	100	FΔ	MT1	
	151-10	.70\$	100	J	6.0	3.0	200	25	100		10	4.0	1.5	11	46		.83	100	FΔ	MT1	
	152-08	.70\$	100	J	6.0	3.0	160	25	80		10	4.0	1.5	18	75		6.87	100	FΔ	MT1	
	152-09	.70\$	100	J	6.0	3.0	180	25	90		10	4.0	1.5	18	75		6.87	100	FΔ	MT1	
	152-10	.70\$	100	J	6.0	3.0	200	25	100		10	4.0	1.5	18	75		6.87	100	FΔ	MT1	
▼	386-1015P1	2.1	85	S	2.0	.50		2.0	60			100	1.0	10			10\$	5.0		D	MS3
	ST402	4.0\$	250	A			60	5.0	60		20	120	2.0	15	400			4.0	.25		MS2
▼	ST403	4.0\$	250	A			45	5.0	45		20	120	2.0	15	400			3.0	.25		MS2
▼	ST415	2.2	45	J			80	10	80			15	1.0	12	60	8000	16			MT10	
	PT600	11.50	13	J			60	4.0	45		.10	120	1.0	15	45	210M\$	1.0	.04	ME	TO8	
	PT601	11.50	13	J			60	4.0	45		.10	120	1.0	30	90	210M\$	1.0	.04	ME	TO8	
	PT612	11.50	13	J	3.0		75	5.0	60		.500	280	.35	15	75	2100			ME	TO8	
	PT613	11.50	13	J	3.0		100	5.0	60		.500	280	.35	15	75	2100			ME	TO8	
	PT900	1.0	125	J	15	5.0	80	4.0	50		400	2.0	10	100			50M†	.25	.05	MEΔ	MT3
	PT900-1	1.0	J		10	5.0	80	5.0	50		250	2.0	10	100			30M†	.20	.05	MEΔ	MT16
	STC1015A	.70	150	J	7.5	5.0	60	10	60		10	4.0	2.0	10			2500†	.75	.90	D	MT1
	STC1015B	.70	150	J	7.5	5.0	100	10	100	</											

9. SILICON NPN - High Power Transistors

SYMBOLS Explained at bottom of page	TYPE NO.	MAX. THERMAL RES. Junction to Case θ_{jc} (°C/W)	MAX. COLL. DISS. in Free Air P_c (Watts)	M AX. T E M P.	ABSOLUTE MAX. RATINGS @ 25°C.					MAX. I_{CBO} @ MAX. V_{CB} @ 25°C (ma)	h_{FE}			t_{f-e}	MAX. SAT. RES.	t_r	$\delta-t_d + t_r$	STRUCTURE	DESCRIPTION		
					I_C	I_B	BV_{CBO}	BV_{EBO}	BV_{CES}		BIAS	I_C	MIN.	MAX.							
					$\emptyset - I_E$	$\emptyset - I_E$	(AMP)	(VOLT)	(VOLT)		$\emptyset - V_{CE}$	$\emptyset - I_E$	$\emptyset - TYP.$	$\emptyset - TYP.$							
▼	WX1015D	.70	\$J	5.0	5.0	200	25	200#		2.0∅	5.0	10	300	.50	F	MT1					
	STC1016B	.70	150∅\$J	7.5	5.0	100	10	100		4.0∅	5.0	10	2500†	.50	.90	D	MT1				
	STC1016C	.70	150∅\$J	7.5	5.0	150	10	150		4.0∅	5.0	10	2500†	.50	.90	D	MT1				
▼	STC1016D	.70	150∅\$J	7.5	5.0	200	10	200		4.0∅	5.0	10	2500†	.50	.90	D	MT1				
▼	STC1016D	.70	150∅\$J	7.5	5.0	200	10	200		4.0∅	5.0	10	2500†	.50	.90	D	MT1				
▼	STC1016D	.70	150∅\$J	7.5	5.0	200	10	200		4.0∅	5.0	10	2500†	.50	.90	D	MT1				
▼	WX1016D	.70	150∅\$J	7.5	5.0	200	25	200	10	4.0∅	5.0	10	18∅	30	.50	6.0∅	FΔ	MT1			
	STC1024	2.08	\$	5.0		80	9.0	60		4.0∅	1.5	25	75	2500†	1.0	.90	DA	TO3			
	STC1082	2.3∅	75∅\$J	3.0		10	80	10		15∅	1.0	12	36	.75							
	STC1084	2.3∅	75∅\$J	5.0			10	60	10	15∅	2.0	10	30	.50							
	STC1085	2.3∅	75∅\$J	5.0			10	80	10	15∅	2.0	10	30	.50							
	STC1551	2.2∅	85∅\$J	3.0			10	60	10	15∅	1.0	12	36	.75							
	STC1552	2.2∅	85∅\$J	3.0			10	80	10	15∅	1.0	12	36	.75							
	STC1554	2.2∅	85∅\$J	5.0			10	60	10	15∅	2.0	10	30	.50							
	STC1555	2.2∅	85∅\$J	5.0			10	80	10	15∅	2.0	10	30	.50							
	STC1850	10	18∅\$J	3.0		80	6.0	60		4.0∅	1.0	15	60	3000†	.75	.90	DA	TO37			
	MHT4401	44	4∅\$J	.50		60	5.0	60	.001∅	4.0∅	.15	20#	120	80M	2.0		EΔ	TO5			
	MHT4402	44	4∅\$J	.50		120	5.0	100	.002∅	4.0∅	.15	20#	120	80M	4.0		EΔ	TO5			
	MHT4412	44	4∅\$J	.50		60	5.0	4	1u∅	4.0∅	.15	40	120	80M	2.0		E	TO5			
	MHT4414	44	4∅\$J	.50		80	5.0	60	1u∅	4.0∅	.15	20	60	80M	3.0		E	TO5			
	MHT4415	44	4∅\$J	.50		80	5.0	60	1u∅	4.0∅	.15	40	120	80M	3.0		E	TO5			
	MHT4417	44	4∅\$J	.50		120	5.0	80	2u∅	4.0∅	.15	20	60	80M	4.0		E	TO5			
	MHT4418	44	4∅\$J	.50		120	5.0	80	2u∅	4.0∅	.15	40	120	80M	4.0		E	TO5			
	MHT4514	17.5	10∅\$J	.60		80	5.0	60	1u∅	4.0∅	.15	20	60	80M	3.0		E	MT9			
	MHT4515	17.5	10∅\$J	.60		80	5.0	60	1u∅	4.0∅	.15	40	120	80M	3.0		E	MT9			
	MHT4517	17.5	10∅\$J	.60		120	5.0	80	2u∅	4.0∅	.15	20	60	80M	4.0		E	MT9			
	MHT4518	17.5	10∅\$J	.60		120	5.0	80	2u∅	4.0∅	.15	40	120	80M	4.0		E	MT9			
	ST5061	25∅	#			80		70		10∅	.005	9.0†	36					TO11			
	MHT6014	3.75	4∅\$J	5.0		100	8.0	80	1u∅	5.0∅	1.0	40#	120	30M	.50		PL	MT24			
▼	S6190-61122	44	4∅\$J			60	8.0	60	.01∅	1.0	.05	24	70			25	ME	TO5			
▼	GA53680	2.0	85∅\$S				10	80	8	15	1.0	12	60				5.0	D	MS3		
▼	194179	1	85∅\$J			120	10	80	12∅	2.0	15						2.5	.25	MT10		
▼	422,210	4.5	40∅\$S			120	6.0	120	15∅	10∅	.50	12	368				15		MT5		
▼	512144-2	44	4∅\$J			100	8.0	100	.01∅	10∅	.20	12	36					ME	TO5		
▼	534767-8	44	4∅\$J			100	8.0	100	.01∅	10∅	.20	12	36					ME	TO5		
▼	604442-4	1.5	85∅\$S	2.0	.50	60	2.0		10∅	11	10						6.0		MS3		
▼	617903-2	5.0	5.0∅\$J			60	6.0	60	15	6.0∅	.20	20#	80#	4.0∅	.40	.70				MT20	
▼	617907-2	4.0	4.0∅\$J			80	8.0	80	250	10∅	.20	30	90	4.0∅	.25					MT20	
▼	628254	2.05	85∅\$S	5.0		80	9.0	60	1.0	4.0∅	1.5	50	±5	1.5	1.0					MS3	
▼	723020-5	33∅	3.3∅\$S			60	6.0	60	.015	6.0∅	.50	15						10	.50	N75	
▼	723060-8	.70	150∅\$S	7.5	5.0		25	150#		4.0∅	2.0	10						.75		MT5	
▼	723060-10	8.4	15 \$J		.50	120	10		15∅	2.0	20							5.0		MS2	
▼	723060-11	3.0	3.0∅\$J	5.0		120	10	80	1.0∅	15∅	2.0	12	60					.50		MS2	
▼	900201-129	2.05	85∅	5.0		80	9.0	60	1.0	4.0∅	1.5	25	75	1.5	1.0					MS3	
▼	966295-501	4.0∅\$S				120	8.0	120	.015∅	10∅	.20	30	90					30		TO5	
▼	1060460-4	4.4	40∅\$C				10	120	.03∅	10∅	.20	30	90					15		MT5	
▼	1980407-1	20∅	5∅\$J			60	6.0	60	15	6.0∅	.250	40	80	4000∅	20	.70				MT13	
▼	2019249-1		85∅\$S	2.0	.50		10	60	10∅	1.0	10	300†	5.0						D	MS3	
▼	2031039	.70	180∅\$J	5.0	5.0	200	25	200	10	4.0∅	2.0	10	260†	.075						MT3	
▼	7226638	.45∅	250∅\$J	30	10	200	15	200	10	4.0∅	10	10	14∅	14	.15	12∅			FΔ	MT14	

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

□ - MECHANICAL AND ENVIRONMENTAL TEST.

* - PREFERRED TYPE - MIL-STD 701

10. MISCELLANEOUS TRANSISTORS

SYMBOLS Explained at bottom of page	TYPE No.	CATE- GORY	STRU- CTURE	MATER- IAL	DWG. NO.	DESCRIPTION
▼	2N489	9	N	S1	RO33	Pc-.45W; ISR-.62 max; Rb1b2-6.8 ohms max; Iv-8.0ma min; Ip-20ma max.
USAF2N489	9	P	S1	TO5		Pc-450mW max; ISR-.62 max; VSAT-5.0V max; Ib2(mod)-6.8mA min.
2N489A	9	N	S1	RO33		Pc-.45W; ISR-.62 max; Rb1b2-6.8 ohms max; Iv-8.0ma min; Ip-15ma max.
2N489B	9	N	S1	RO33		Pc-.45W; ISR-.62 max; Rb1b2-6.8 ohms max; Iv-8.0ma min; Ip-6.0ma max.
2N490	9	N	S1	RO33		Pc-.45W; ISR-.62 max; Rb1b2-9.1 ohms max; Iv-8.0ma min; Ip-20ma max.
USAF2N490	9	P	S1	TO5		Pc-450mW max; ISR-.62 max; VSAT-5.0V max; Ib2(mod)-6.8mA min.
2N490A	9	N	S1	RO33		Pc-.45W; ISR-.62 max; Rb1b2-9.1 ohms max; Iv-8.0ma min; Ip-15ma max.
2N490B	9	N	S1	RO33		Pc-.45W; ISR-.62 max; Rb1b2-9.1 ohms max; Iv-8.0ma min; Ip-6.0ma max.
▼	2N491	9	N	S1	RO33	Pc-.45W; ISR-.68 max; Rb1b2-6.8 ohms max; Iv-8.0ma min; Ip-20ma max.
♦ USAF2N491	9	P	S1	TO5		Pc-450mW max; ISR-.68 max; VSAT-5.0V max; Ib2(mod)-6.8mA min.
2N491A	9	N	S1	RO33		Pc-.45W; ISR-.68 max; Rb1b2-6.8 ohms max; Iv-8.0ma min; Ip-15ma max.
2N491B	9	N	S1	RO33		Pc-.45W; ISR-.68 max; Rb1b2-6.8 ohms max; Iv-8.0ma min; Ip-6.0ma max.
▼	2N492	9	N	S1	RO33	Pc-.45W; ISR-.68 max; Rb1b2-9.1 ohms max; Iv-8.0ma min; Ip-20ma max.
▼ USAF2N492	9	P	S1	TO5		Pc-450mW max; ISR-.68 max; VSAT-5.0V max; Ib2(mod)-6.8mA min.
2N492A	9	N	S1	RO33		Pc-.45W; ISR-.68 max; Rb1b2-9.1 ohms max; Iv-8.0ma min; Ip-15ma max.
2N492B	9	N	S1	RO33		Pc-.45W; ISR-.68 max; Rb1b2-9.1 ohms max; Iv-8.0ma min; Ip-6.0ma max.
2N493	9	N	S1	RO33		Pc-.45W; ISR-.75 max; Rb1b2-6.8 ohms max; Iv-8.0ma min; Ip-20ma max.
USAF2N493	9	P	S1	TO5		Pc-450mW max; ISR-.75 max; VSAT-5.0V max; Ib2(mod)-6.8mA min.
2N493A	9	N	S1	RO33		Pc-.45W; ISR-.75 max; Rb1b2-6.8 ohms max; Iv-8.0ma min; Ip-15ma max.
2N493B	9	N	S1	RO33		Pc-.45W; ISR-.75 max; Rb1b2-6.8 ohms max; Iv-8.0ma min; Ip-6.0ma max.
▼	2N494	9	N	S1	RO33	Pc-.45W; ISR-.75 max; Rb1b2-9.1 ohms max; Iv-8.0ma min; Ip-20ma max.
▼ USAF2N494	9	P	S1	TO5		Pc-450mW max; ISR-.75 max; VSAT-5.0V max; Ib2(mod)-6.8mA min.
2N494A	9	N	S1	RO33		Pc-.45W; ISR-.75 max; Rb1b2-9.1 ohms max; Iv-8.0ma min; Ip-15ma max.
2N494B	9	N	S1	RO33		Pc-.45W; ISR-.75 max; Rb1b2-9.1 ohms max; Iv-8.0ma min; Ip-6.0ma max.
▼	2N592	2	P	Ge	TO9	Pc-150mW; BVCB-20V; hfe-40; ϕ -50 deg. C./mW; ICBO-25 ua.
▼	2N593	2	P	Ge	TO9	Pc-150mW; BVCB-20V; hfe-80; ϕ -50 deg. C./mW; ICBO-25 ua.
▼	2N594	2	N	Ge	TO5	Pc-.15W max; BVCB-20V; IC-.30A max; fab-1.5Mc min.
▼	2N595	2	N	Ge	TO5	Pc-.15W max; BVCB-20V; IC-.30A max; fab-3.0Mc min.
2N596	2	N	Ge	TO5		Pc-.15W max; BVCB-20V; IC-.30A max; fab-5.0
2N1169	2	N	Ge	TO5		Pc-.12W max; BVCB-25V; IC-.40A max; tr-350ns; tf-200ns; fab-7.0Mc.
2N1170	2	N	Ge	TO5		Pc-.12W max; BVCB-40V; IC-.40A max; tr-350ns; tf-200ns; fab-7.0Mc.
2N1468	1	N-FA	S1	TO5		Pc-.25W max; Ip-2.0A max; tr-10ns
2N1640	2	P-△	S1	TO5		Pc-.25W max; BVCB-30V; IC-50ma max; fab-.40Mc Typ.
2N1641	2	P-△	S1	TO5		Pc-.25W max; BVCB-30V; IC-50ma max; fab-.80Mc Typ.
2N1642	2	P-△	S1	TO5		Pc-.25W max; BVCB-30V; IC-50ma max; fab-1.2Mc Typ.
▼	2N1671	9	N	S1	RO33	Pc-.45W; ISR-.62 max; Rb1b2-9.1 ohms max; Iv-8.0ma min; Ip-25ma max.
▼	2N1671A	9	N	S1	RO33	Pc-.45W; ISR-.62 max; Rb1b2-9.1 ohms max; Iv-8.0ma min; Ip-25ma max.
2N1671B	9	N	S1	RO33		Pc-.45W; ISR-.62 max; Rb1b2-9.1 ohms max; Iv-8.0ma min; Ip-6.0ma max.
2N1994	2	N-A	Ge	TO5		Pc-.15W max; BVCB-30V; IC-.30A max; ton-1500ns; toff-1800ns; fab-3Mc
2N1995	2	N-A	Ge	TO5		Pc-.15W max; BVCB-25V; IC-.30A max; ton-1300ns; toff-1800ns; fab-5Mc
2N1996	2	N-A	Ge	TO5		Pc-.15W max; BVCB-20V; IC-.30A max; ton-1100ns; toff-1800ns; fab-8Mc
▼	3N34	8	N-D	S1	TO42	Pc-125mw; VCB-30V; PG-16db at 30Mc.
▼	3N35	8	N-D	S1	TO42	Pc-125mw; VCB-30V; PG-20db at 70Mc.
USA3N35	8	N-D	S1	TO42		Pc-125mw; VCB-30V; PG-20db at 70Mc.
3N56	8	N-△	S1	TO5		Pc-.15W max; BVCB-18V; IC-30ma max.
3N57	8	N-△	S1	TO5		Pc-.15W max; BVCB-18V; IC-30ma max.
PADT51	1	P-AD	Ge	TO7		Pc-85mw; BVEBO-2.0V; tr-1.0ns
C103	2	P-△	S1	TO5		Pc-.25W max; BVCB-30V; IC-50ma max; fab-1.2Mc.
C106	2	P-△	S1	TO5		Pc-.25W max; BVCB-30V; IC-50ma max; fab-1.2Mc.
C201	2	P-△	S1	TO5		Pc-.25W max; BVCB-40V; IC-50ma max; fab-.40Mc.
C202	2	P-△	S1	TO5		Pc-.25W max; BVCB-25V; IC-50ma max; fab-.80Mc.
▼	203-840	10	P		N79	Linearity 2% from .01-.10 Vdc; Ton-10usec; VCE-25V.
CK273	1	N	S1	TO5		Pc-.25W max; BVCB-25V.
CK277	1	N	S1	TO5		Pc-.25W max; BVCB-90V.
C301	2	P-△	S1	TO5		Pc-.25W max; BVCB-70V; IC-50ma max; fab-.40Mc.
386-1073P1	9	N	S1	RO33		Pc-450mW; ISR-.56 typ; Rb1b2-9.10 ohms max; Iv-11mA min.
C401	2	P-△	S1	TO5		Pc-.25W max; BVCB-40V; IC-50ma max; fab-.40Mc.
NS1110	1	N-E	S1	TO18		Pc-.5W; BVCES-110V; Ip-2A, tr-0.5ns; Cob-6pf, tf-2ns max.
V908291	8	P-A	Ge	TO15		Pc-75w max; BVCB-35V; hFE-30 to 120
2016719-1	9	P	S1	RO33		Pc-600mW; Rb1b2-9100 ohms max; Ip-15ua max; VE(SAT)-5V max.
▼	2157257-1	2	P	S1	TO5	Pc-.25w max; BVCB-30V; IC-50ma max; fab-.40Mc typical
▼	3068333	1	N	S1	TO18	Pc-300mw; VCES-50V min; I aval peak-3.5A; Tr-15n sec.

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11. DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT				ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION			
			@ 25°C		I_b (μ A)	@ E_b (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.	
			I_f (ma)	@ E_f (volts)											
▼	HB1	6.8	17	1.0	5.0	35			150		100A	S1*		C1	
	1N34	60	5.0	1.0	30	10	500	50	25	50	90	Ge		A1	
▼	1N34A	60	5.0	1.0	30	10	500	50	25	50	90	Ge		A90	
▼△	1N34AS	60	5.0	1.0	500	50				30	70A	Ge		A21	
▼	1N35	50	7.5	1.0	10	10				23	75	Ge	Pair	D07	
	1N38	100	4.0	1.0	6.0	3.0	500	100	25	50	90	Ge		D07	
▼	1N38A	100*	4.0	1.0	6.0	3.0	500	100	25	50	90	Ge		D07	
▼	1N38B	100	4.0	1.0	6.0	3.0	500	100	25	50	90	M		D07	
	JAN1N38B	100	4.0	1.0	6.0	3.0	500	100	25	50	70J	M	Ge	D07	
▼	1N39	200△	3.0	1.0	100	100	600	200	25	50	90	N	Ge		
▼	1N39A	200*	5.0	1.0	65	100	325	100	25	200	50	75	Ge		
	1N39B	200	4.0	1.0	100	100	600	200	25	50	90	Ge		D07	
▼	1N40	25	12.7	1.5	35	10				22.5	75	Ge	Quad	D07	
▼	1N41	25△	12.8	1.5								Ge	Quad	A1	
▼	1N42	100*	12.8	1.5								Ge	Quad	D07	
▼	1N43	60*	5.0	1.0	.02	5.0	800	50	25		40	75			
▼	1N44	115	3.0	1.0	1000	50					35		N	A23a	
▼	1N45	75	3.0	1.0	410	50					35		Ge	A23a	
▼	1N47	150	4.0	1.0	500	100					30		Ge	A23a	
	1N48	70*	4.0	1.0	833	50					50	75	Ge	D07	
	1N49	75†	5.0	1.0	200	20							Ge		
	1N50	75†	5.0	1.0	80	20							Ge		
▼	1N52	70*	4.0	1.0	150	50					50	75	Ge	D07	
▼	1N54	50	5.0	1.0	7.0	10	100	50	25		50	90	Ge	D07	
▼	1N54A	50	5.0	1.0	7.0	10	100	50	25		50	90	Ge	D07	
	1N55	150*	5.0	1.0	800	150					90A		Ge	D07	
▼	1N55A	150	4.0	1.0	500	150					50	90	N	Ge	
▼	1N55B	150\$	5.0	1.0	500	150					30	90	N	Ge	
▼	1N56	40*	15	1.0	300	30					60	90	Ge	D07	
▼	1N56A	40	15	1.0	300	30					60	90	N	Ge	
	1N57	80	4.0	1.0	500	75				500			Ge		
	1N57A	80†	4.0	1.0	500	75					40	75A	Ge	A23a	
	1N58	100*	4.0	1.0	600	100					50	90	Ge	D07	
▼	1N58A	100	4.0	1.0	600	100					50	90	Ge	D07	
	1N59	260△	3.0	1.0	800	250					50	90	Ge		
▼	1N59A	270	3.0	1.0	250	150					50	90	Ge		
	1N60A	40	5.0	1.0	60	10				80	35	100	Ge		
	1N61	130△	5.0	1.0	300	100	700	125	25	40	75	Ge	D07		
	1N62	140†	5.0	1.0	700	100							Ge	A23a	
▼	1N63	100	4.0	1.0	50	50					50	90	N	Ge	
	1N63A	100	4.0	1.0	50	50				80	30	90	Ge	D07	
▼	1N65	70*	2.5	1.0	200	50					50	75	Ge	D07	
	1N66	60	5.0	1.0	50	10					80	50	100	Ge	
	1N66A	60	5.0	1.0	50	10					80	30	90	Ge	
▼	1N67	80*	4.0	1.0	5.0	5.0					80	35	100	Ge	
▼	1N67A	80	4.0	1.0	50	50					80	30	90	A21	
	1N68	100	3.0	1.0	625	100					80	35	100	Ge	
	1N68A	100	3.0	1.0	625	100					80	30	90	Ge	
▼	1N69	60*	5.0	1.0	50	10	850	50	25		40	70	Ge	D07	
	1N69A	60	5.0	1.0	30	10	500	50	25		40	90	M	Ge	
	JAN1N69A	60	5.0	1.0	500	50	200	10	70		40	70J	M	Ge	
▼	1N70	100\$	3.0	1.0	25	10	300	50	25		30	70	Ge	A21	
▼	1N70A	100	3.0	1.0	25	10	300	50	25		30	90	M	Ge	
	JAN1N70A	100	3.0	1.0	300	50	150	10	70		30	70J	M	Ge	
▼	1N71	40	15	1.0	300	30					60	90	Ge	D07	
▼	1N73	60*	15	1.5									Ge	D07	
▼	1N74	60*	15	1.5									Ge	D07	
	1N75	100\$	2.5	1.0	50	50					50	75	Ge		
▼	1N81	40*	3.0	1.0	10	10					40	75	Ge	D07	
▼	1N81A	40	3.0	1.0	10	10					30	90	M	Ge	
	JAN1N81A	40	3.0	1.0	10	10	100	10	70		30	70J	M	Ge	
	1N83	375†	5.0	1.0	30	60							Ge		
	1N86	70	4.0	1.0	50	10	833	50	25		50	75	Ge	A23a	

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NAVWEPS 16-1-530
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11. DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT				ABSOLUTE MAX. RATINGS @ 25°C				DESCRIPTION			
			I_f (ma)	@ E_f (volts)	@ 25°C		I_b (μ A)	@ E_b (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
	1N87	25	.10	.25	30	1.5					50	75		Ge		A23a
	1N87A	25	.10	.25	Subminiature											A23a
	1N88	90	5.0	1.0	75	100	190		75	60				Ge		A23a
▼	1N89	80	3.5	1.0	100	50					80	30	90	Ge		A23a
▼	1N90	60	5.0	1.0	500	50					80	30	90	Ge		A21
▼	1N95	60	10	1.0	800	50					80	30	90	Ge		A21
▼	1N96	60	20	1.0	500	50					80	30	90	Ge		A21
	1N96A	75	40	1.0	500	50					80	30	90	Ge		A23a
▼	1N97	80	10	1.0	100	50					80	30	90	Ge		A21
	1N97A	80*	20	1.0	8.0	5.0	100	50	25					Ge		A23a
▼	1N98	80	20	1.0	100	50					80	30	90	Ge		A21
	1N98A	100	40	1.0	100	50					80	30	90	Ge		A23a
▼	1N99	80	10	1.0	50	50					80	30	90	Ge		A21
	1N99A	80*	20	1.0	5.0	5.0	50	50	25					Ge		A23a
▼	1N100	80	20	1.0	50	50					80	30	90	Ge		A21
	1N100A	100	40	1.0	50	50					80	30	90	Ge		A23a
	1N101	250†	10	1.0	10	40								Ge		
	1N102	125†	15	1.0	3.0	25								Ge		
	1N103	20†	30	1.0	750	15								Ge		
	1N104	25†	30	1.0	750	15								Ge		
	1N108	50	50	1.0	200	50								Ge		D07
	1N112	60*	5.0	1.0	50	10	250	50	25	75	50	75		Ge		A23a
	1N113	60*	2.5	1.0	25	10	125	50	25	75	50	75		Ge		A23a
	1N114	60*	2.5	1.0	50	10	250	50	25	75	50	75		Ge		A23a
▼	1N116	60	5.0	1.0	100	50					80	30	90	Ge		A21
	1N116A	60*	10	1.0	100	50								Ge		A23a
	1N117	60	10	1.0	100	50					80	30	90	Ge		A21
▼	1N117A	60*	20	1.0	100	50								Ge		A23a
▼	1N118	60	20	1.0	100	50					80	30	90	Ge		A21
	1N118A	75	40	1.0	100	50					80	30	90	Ge		A23a
▼	1N126	60	5.0	1.0	850	50					80	30	90	M	Ge	A23a
▼	1N126A	60*	5.0	1.0	50	10	300	50	25		30	90	M	Ge		A21
	JAN1N126A	60	5.0	1.0	50	10	850	50	25		30	90J	M	Ge		A21
▼	1N127	100	3.0	1.0	300	50					80	30	90	Ge		D07
▼	1N127A	100\$	3.0	1.0	25	10	200	50	25		30	90	M	Ge		D07
	JAN1N127A	100	3.0	1.0	25	10	300	50	25		30	90J	M	Ge		D07
▼	1N128	40	3.0	1.0	10	10					80	30	90	M	Ge	A21
	JAN1N128	40	3.0	1.0	10	10					30	90J	M	Ge		A21
	1N128A	40	3.0	1.0	10	10					80	30	90	M	Ge	A21
▼	1N137A	36	3.0	1.0	.03	20				125	21	150A	S1*	C1		
▼	1N137B	36†	20	1.0	.03	20	5.0	20	125	150	75	150A	S1	C1b		
▼	1N138A	18	5.0	1.0	.01	10				125	35	150A	S1*	C1		
	1N138B	18†	40	1.0	.01	10	2.0	10	125	150	9.0	150A	S1	C1b		
	1N140	70*	40	1.0	300	50				130	85	80A	Ge		A23a	
▼	1N141	70*	20	1.0	50	50				130	70	90A	Ge		A23a	
	1N142	100*	5.0	1.0	100	100				130	60	90A	Ge		A23a	
	1N143	100*	40	1.0	100	100				130	85	90A	Ge		A23a	
▼	1N145	40	40	1.0	100	10				130	80A	N	Ge		A23a	
▼	1N175	125†	5.0	1.0	50	50								Ge		
	1N198	80	4.0	1.0	50	50				80	30	90	M	Ge		A21
	JAN1N198	80	4.0	1.0	10	10	50	50	25		30	90J	M	Ge		A21
▼	1N198A	80	4.0	1.0	50	50	250	50	75		30	90		Ge		D07
▼	1N200	6.8	50	1.0	.50	6.8	5.0	6.8	100A	150	85	150A	S1*	C1		
▼	1N201	8.2	35	1.0	.50	8.2	5.0	8.2	100A	150	77	150A	S1*	C1		
▼	1N202	10	30	1.0	.50	10	5.0	10	100A	150	70	150A	S1*	C1		
▼	1N203	12	23	1.0	.50	12	5.0	12	100A	150	63	150A	S1*	C1		
▼	1N204	15	17	1.0	.50	15	5.0	15	100A	150	56	150A	S1*	C1		
▼	1N205	18	12	1.0	.10	18	10	18	100A	150	50	150A	S1*	C1		
▼	1N205-3	18	12	1.0	.10	18	10	18	100	400		200J	S1			
▼	1N206	22	9.0	1.0	.10	22	10	22	100A	150	45	150A	S1*	C1		
▼	1N207	27	7.0	1.0	.10	27	10	27	100A	150	40	150A	S1*	C1		
▼	1N208	33	5.5	1.0	.10	33	10	33	100A	150	35	150A	S1*	C1		
▼	1N209	39	4.5	1.0	.10	39	10	39	100A	150	30	150A	S1*	C1		

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11. DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT			ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION				
			@ 25°C		I _b (μa)	@ E _b (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	S T A T U S	MAT.	USE	DWG. No.	
			I _f (ma)	@ E _f (volts)											
▼	IN210	47	3.5	1.0	.10	47	10	47	100A	150	27	150A	S1*	C1	
▼	IN211	56	2.7	1.0	1.0	56	50	56	100A	150	23	150A	S1*	C1	
▼	IN212	68	2.0	1.0	1.0	68	50	68	100A	150	19	150A	N	S1*	
▼	IN213	82	1.5	1.0	1.0	8	50	82	100A	150	16	150A	S1*	C1	
▼	IN214	100	1.2	1.0	1.0	100	50	100	100A	150	125	150A	S1*	C1	
▼	IN215	120	.90	1.0	1.0	120	50	120	100A	150	11	150A	S1*	C1	
▼	IN215-1	120	.90	1.0	1.0	120	50	120	100	400		200J	S1		
▼	IN216	150	.70	1.0	5.0	150	100	150	100A	150	9.5	150A	S1*	C1	
▼	IN217	180	6.5	4.0	5.0	180	100	180	100A	150	9.0	150A	S1*	C1	
▼	IN218	220	6.0	4.0	5.0	220	100	220	100A	150	8.0	150A	S1*	C1	
▼	IN218-1	220	6.0	4.0	5.0	120	100	120	100	400		200J	S1		
▼	IN219	270	3.0	4.0	5.0	270	100	270	100A	150	7.5	150A	S1*	C1	
▼	IN220	330	2.2	4.0	5.0	330	100	330	100A	150	7.0	150A	S1*	C1	
▼	IN221	390	2.0	4.0	5.0	390	100	390	100A	150	6.0	150A	S1*	C1	
▼	IN222	470	1.5	4.0	5.0	470	100	470	100A	150	5.5	150A	S1*	C1	
▼	IN265	80	4.0	1.0	300ma 60										
▼	IN270	80*	200	1.0	100	50				80	90	M	GeØ	D07	
▼	IN273	30Δ	100	1.0	20	20				80	80		GeØ	D07	
▼	IN276	50*	40	1.0	100	50				80	90		GeØ	D07	
◆	JANIN276	50	40	1.0	100	50				80	90		GeØ	D07	
▼	IN277	100*	100	1.0	250	50	100	75	10	75A	80	90	M	GeØ	D07
▼	IN279	30Δ	100	1.0	200	20				80	70		GeØ	D07	
▼	IN281	60*	100	1.0	30	50	500	50	25	80	90	M	GeØ	D07	
▼	IN283	20*	200	1.0	20	10				80	90	M	GeØ	D07	
▼	IN288	70	40	1.0	350 50						90		Ge	D07	
▼	IN289	70*	20	1.0	50	50				80	70		Ge	D07	
▼	IN290	100	5.0	1.0	100	100					90		Ge	D07	
▼	IN291	100	40	1.0	100	100					90		Ge	D07	
▼	IN292	60*	100	1.0	200	50				80	70		90A	Ge	
▼	IN294	60	5.0	1.0	10	10				80	50		100	GeØ	
▼	IN294A	60	5.0	1.0	10	10				80	30		90	Ge	
▼	IN297	80	3.5	1.0	10 5.0					80	35		100	GeØ	
▼	IN297A	80	3.5	1.0	10	5.0				80	30		90	Ge	
▼	IN298	70	30	2.0	250 40					80	50		100	GeØ	
▼	IN298A	70	3.5	1.0	10	5.0				80	30		90	GeØ	
▼	IN300	15	15	1.0	.001	10	.10	10	100	150	65	150	S1Ø		
▼	IN300A	15	30	1.0	.001	10	.10	10	100	150	80	150	S1Ø		
▼	IN300B	15	50	1.0	.001	10	.10	10	100	150	100	150	S1Ø		
▼	IN301	70	5.0	1.0	.01	10	.20	10	100	150	45	150	S1Ø		
▼	IN301A	70	18	1.0	.01	10	.20	10	100	150	65	150	S1Ø		
▼	IN301B	70	50	1.0	.01	10	.20	10	100	150	75	150	S1Ø		
▼	IN302	225	1.0	1.0	.01	10	.50	10	100	150	30	150	S1Ø	A23a	
▼	IN302A	225	5.0	1.0	.01	10	.50	10	100	150	40	150	S1Ø		
▼	IN302B	225	20	1.0	.01	10	.50	10	100	150	55	150	S1Ø		
▼	IN303	125	3.0	1.0	.01	10	.30	10	100	150	40	150	S1Ø		
▼	IN303A	125	12	1.0	.01	10	.30	10	100	150	55	150	S1Ø		
▼	IN303B	125	50	1.0	.01	10	.30	10	100	150	65	150	S1Ø		
▼	IN305	60	100	.80	2.0	10	65	10	70	150	125	70	GeØ	A23a	
▼	IN307	125	100	1.0	5.0	10	90	10	70	150	50	70	GeØ	A23a	
▼	IN309	30	100	1.0	100	20				80	100		90	GeØ	
▼	IN310	100	15	1.0	20	20	100	100	25	80	40	90	GeØ	A23a	
▼	IN312	50	30	1.0	50	50				80	70		90	GeØ	
▼	IN313	100	20	1.0	10	20	50	100	25	80	40	90	GeØ	A23a	
▼	IN314	75	15	1.0			50	10	85	100	125		Ge		
▼	IN330	32	3.0	1.0	.03	20						100A R	S1*		
▼	IN350	70	20	1.0	.03	60	5.0	60	125		15		S1	C1b	
▼	IN351	120	20	1.0	.03	100	5.0	100	125		15		S1	C1b	
▼	IN352	170	20	1.0	.05	150	10	150	125		15		S1	C1b	
▼	IN353	225	20	1.0	.10	200	20	200	125		15		S1	C1b	
▼	IN354	325	20	1.0	.10	300	20	300	125		15		S1	C1b	
▼	IN355	80	4.0	1.0	5.0	5.0	50	50	25		50	90	Ge	A23a	
▼	IN367	15	20										Ge		
▼	IN379	8.2	35	1.0	.50	8.2	5.0	8.2	100A	150	77	150A	S1		
▼	IN380	10	30	1.0	.50	10	5.0	10	100A	150	70	150A	S1		

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

11. DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT			ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION				
			I_f (ma)	@ E_f (volts)	@ 25°C	I_b (μ A)	@ E_b (volts)	@ T (°C)	Diss. (mw)	Avg. Rect. Fwd. Current (ma)	Max. Temp. (°C)	Status	Mat.	Use	Dwg. No.
	1N381	12	23	1.0	.50	12	5.0	12	100A	150	63	150A	S1		
	1N382	15	17	1.0	.50	15	5.0	15	100A	150	56	150A	S1		
	1N383	18	12	1.0	.10	18	10	18	100A	150	50	150A	S1		
	1N384	22	9.0	1.0	.10	22	10	22	100A	150	45	150A	S1		
	1N385	27	7.0	1.0	.10	27	10	27	100A	150	40	150A	S1		
	1N386	33	5.5	1.0	.10	33	10	33	100A	150	35	150A	S1		
	1N387	39	4.5	1.0	.10	39	10	39	100A	150	30	150A	S1		
	1N388	47	3.5	1.0	.10	47	10	47	100A	150	27	150A	S1		
	1N389	56	2.7	1.0	1.0	56	50	56	100A	150	23	150A	S1		
	1N390	68	2.0	1.0	1.0	68	50	68	100A	150	19	150A	S1		
	1N391	82	1.5	1.0	1.0	82	50	82	100A	150	16	150A	S1		
	1N392	100	1.2	1.0	1.0	100	50	100	100A	150	125	150A	S1		
	1N393	120	.90	1.0	1.0	120	50	120	100A	150	11	150A	S1		
	1N394	150	.70	1.0	5.0	150	100	150	100A	150	9.5	150A	S1		
▼	1N431	68	10				1.0	68	80	150	10	150A	S1	C1	
	1N432	40	10	1.0	.005	10	.10	10	100	150	55	150	S1Ø		
	1N432A	40	20	1.0	.005	10	.10	10	100	150	70	150	S1Ø		
	1N432B	40	50	1.0	.005	10	.10	10	100	150	85	150	S1Ø		
▼	1N433	145	3.0	1.0	.01	10	.40	10	100	150	40	150	S1Ø		
▼	1N433A	145	10	1.0	.01	10	.40	10	100	150	50	150	S1Ø		
	1N433B	145	50	1.0	.01	10	.40	10	100	150	60	150	S1Ø		
	1N434	180	2.0	1.0	.01	10	.40	10	100	150	35	150	S1Ø		A23a
▼	1N434A	180	7.0	1.0	.01	10	.40	10	100	150	45	150	S1Ø		
	1N434B	180	20	1.0	.01	10	.40	10	100	150	60	150	S1Ø		
▼	1N435	40			300	30					60	75	Ge	Quad	M4
▼	1N447	30Ø	25	1.0	60	30	20	10	25	80	60	90	Ge		D07
	1N448	100	25	1.0	30	30	100	100	25		60	75	Ge†		D07
▼	1N449	30Ø	50	1.0	30	30					60	75	Ge		D07
▼	1N450	100	50	1.0	50	50	100	100	25		60	75	Ge†		D07
	1N451	150*	50	1.0	150	150					60	75	Ge		
▼	1N452	30*	100	1.0	30	30				130		90A	GeØ		D07
▼	1N453	100*	100	1.0	30	30				130		90A	GeØ		D07
	1N454	50*	200	1.0	50	50				130		90A	GeØ		A23a
▼	1N456	30*	40	1.0	.025	25	5.0	25	150	200	90	200	S1Δ		D07
	1N456A	25*	100	1.0	.025	25	5.0	25	150A	500	200	200	S1		A46
	1N456M	30	40	1.0	.025	25	5.0	25	150	300	100	200	S1		A2a
▼	1N457	70*	20	1.0	.025	60	5.0	60	150	200	75	200	M	S1Δ	A21
▼	1N457A	60*	100	1.0	.025	60	5.0	60	150A	500	200	200	S1		A46
	1N457AM	70	100	1.0	.025	60	5.0	60	150	300	150	200	S1		A2a
▼	1N457M	70*	20	1.0	.025	60	5.0	60	150	200	75	200	S1Δ		A2
▼	1N458	150*	7.0	1.0	.025	125	5.0	125	150	200	55	200	M	S1Δ	A21
	1N458A	125*	100	1.0	.025	125	5.0	125	150A	500	200	200	S1		A46
	1N458AM	150	100	1.0	.025	125	5.0	125	150	300	150	200	S1		A2a
▼	1N458M	150*	7.0	1.0	.025	125	5.0	125	150	200	55	200	S1Δ		A2
	1N459	200*	3.0	1.0	.025	175	5.0	175	150	200	40	200	M	S1Δ	A21
	1N459A	175*	100	1.0	.025	175	5.0	175	150A	500	200	200	S1		A46
	1N459AM	200	100	1.0	.025	175	5.0	175	150	300	150	200	S1		A2a
	1N459M	200*	3.0	1.0	.025	175	5.0	175	150	200	40	200	S1Δ		A2
	1N460	90	5.0	1.0	.01	10	.20	10	100	150	45	150	S1Ø		
	1N460A	90	15	1.0	.01	10	.20	10	100	150	60	150	S1Ø		
	1N460B	90	50	1.0	.01	10	.20	10	100	150	70	150	S1Ø		
▼	1N461	30*	15	1.0	.50	25	30	25	150	200	60	200	S1Δ		A21
	1N461A	25*	100	1.0	.50	25	30	25	150A	500	200	200	S1		A46
	1N461M	30	15	1.0	.50	25	30	25	150	300	100	200	S1		A2a
▼	1N462	70*	5.0	1.0	.50	60	30	60	150	200	50	200	S1Δ		A21
	1N462M	70	5.0	1.0	.50	60	30	60	150	300	25	200	S1		A2a
▼	1N463	200*	1.0	1.0	.50	175	300	175	150	200	30	200	S1Δ		A21
	1N463A	175*	100	1.0	.50	175	30	175	150A	500	200	200	S1		A46
	1N463M	200	1.0	1.0	.50	175	30	175	150	300	25	200	S1		A2a
▼	1N464	150*	3.0	1.0	.50	125	30	125	150	200	40	200	S1Δ		A21
	1N464A	125*	100	1.0	.50	125	30	125	150A	500	200	200	S1		A46
	1N464M	150	3.0	1.0	.50	125	30	125	150	300	25	200	S1		A2a
▼	1N482	36†	100	1.1	.25	30	30	30	150	250	100	200A	S1		D07

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
 □ — MECHANICAL AND ENVIRONMENTAL TEST.
 ♦ — PREFERRED TYPE — MIL-STD 701

11. DIODES

SYMBOLS	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current	MAX. REVERSE CURRENT				ABSOLUTE MAX. RATINGS @ 25°C				DESCRIPTION			
				@ 25°C		I _b (μA)	@ E _b (volts)	@ T (°C)	Diss. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	Status	Mat.	Use	Dwg. No.
▼	1N482A	36†	100	1.0	.025	30	15	30	150	250	200	200A	S1		D07
	1N482AM	40	100	1.0	.025	30	15	30	150	300	150	200	S1		A2a
▼	1N482B	36†	100	1.0	.025	30	5.0	30	150	250	200	200A	S1		D07
	1N482BM	40	100	1.0	.025	30	5.0	30	150	300	150	200	S1		A2a
	1N482C	36	100	1.0	.005	30							S1		
	1N482M	40	100	1.1	.25	30	30	30	150	300	150	200	S1		A2a
▼	1N483	70†	100	1.1	.25	60	30	60	150	250	100	200A	S1		A62
▼	1N483A	70†	100	1.0	.025	60	15	60	150	250	200	200A	S1		A62
	1N483AM	80	100	1.0	.025	60	15	60	150	300	150	200	S1		A2a
▼	1N483B	70†	100	1.0	.025	60	5.0	60	150	250	200	200A	N	S1	A62
	1N483BM	80	100	1.0	.025	60	5.0	60	150	300	150	200	S1		A2a
	1N483C	70	100	1.0	.005	60							S1		
	1N483M	80	100	1.1	.25	60	30	60	150	300	150	200	S1		A2a
▼	1N484	130†	100	1.1	.25	125	30	125	150	250	100	200A	S1		D07
▼	1N484A	130†	100	1.0	.025	125	15	125	150	250	200	200A	S1		D07
▼	1N484AM	150	100	1.0	.025	125	15	125	150	300	150	200	S1		A2a
	1N484B	130†	100	1.0	.025	125	5.0	125	150	250	200	200A	S1		D07
	1N484BM	150	100	1.0	.025	125	5.0	125	150	300	150	200	S1		A2a
	1N484C	130	100	1.0	.005	125							S1		
▼	1N485	180†	100	1.1	.25	175	30	175	150	250	100	200A	S1		D07
▼	1N485A	180†	100	1.0	.025	175	15	175	150	250	200	200A	S1		D07
	1N485AM	200	100	1.0	.025	175	15	175	150	300	150	200	S1		A2a
▼	1N485B	180†	100	1.0	.025	175	5.0	175	150	250	200	200A	N	S1	D07
▼	USN1N485B	180	100	1.0	.025	175	5.0	175	150	250	200	200A	N	S1	D07
	1N485BM	200	100	1.0	.025	175	5.0	175	150	300	150	200	S1		A2a
	1N485C	180	100	1.0	.005	175							S1		
▼	1N486	225†	100	1.1	.25	225	50	225	150	250	100	200A	S1		D07
▼	1N486A	225†	100	1.0	.05	225	25	225	150	250	200	200A	S1		D07
	1N486AM	250	100	1.0	.025	225	15	225	150	300	150	200	S1		A2a
▼	1N486B	225†	100	1.0	.05	225	10	225	150	250	200	200A	N	S1	D07
	1N486BM	250	100	1.0	.025	225	5.0	225	150	300	150	200	S1		A2a
▼	1N487	300†	100	1.1	.25	300	50	300	150	250	100	200A	S1		D07
▼	1N487A	300†	100	1.0	.10	300	25	300	150	250	200	200A	S1		D07
	1N487AM	330	100	1.0	.10	300	25	300	150	300	150	200	S1		A2a
	1N487B	300	100	1.0	.025	300	10	300	150				S1		
	1N487BM	330	100	1.0	.025	300	10	300	150	300	150	200	S1		A2a
	1N487M	330	100	1.1	.25	300	50	300	150	300	150	200	S1		A2a
▼	1N488	380†	100	1.1	.25	380	50	380	150	250	100	200A	S1		D07
▼	1N488A	380†	100	1.0	.10	380	25	380	150	250	200	200A	S1		D07
	1N488AM	410	100	1.0	.10	380	25	380	150	300	150	200	S1		A2a
	1N488M	410	100	1.1	.25	380	5	380	150	300	150	200	S1		A2a
	1N488B	380	100	1.0	.10	380	1	380	150	250	200	200A	S1		D07
▼	1N488BM	410	100	1.0	.025	380	1	380	150	300	150	200	S1		A2a
▼	1N497	200	100	1.0	20	20					80	80	85	Get	D07
	1N498	40*	100	1.0	25	40					80	80	85	Get	D07
	1N499	50\$	100	1.0	30	50					80	80	85	Get	D07
▼	1N500	60*	100	1.0	40	60					80	80	85	Get	D07
	1N501	80*	100	.80	20	80					80	80	90	Ge	
	1N502	100*	100	.80	20	100					80	70	90	Ge	
	1N527	20†	1.0	.30	50	10								Ge	
	1N541	30	1.5	1.0	18	10	150	30	25			10	60	Ge	D07
▼	1N542	30	1.5	1.0	Matched										D07
	1N567	125†	150	1.0	150	100								Ge	
	1N569	25†	250	.50	50	10								Ge	
	1N617	90	3.0	1.0	11	10	175	75	25						
	1N618	90	5.0	1.0	7.0	10	115	75	25						
	1N619	27	3.0	1.0	8.0	10	20	10	100						
	1N619M	30	3.0	1.0	8.0	10	20	10	100	300	25	200	S1		
	1N622M	180	6.5	4.0	.20	150	30	150	100	300	50	200	S1		A2a
	1N634	100\$	50	1.0	35	30	115	100	25	100	75		Ge	D07	
	1N635	150*	50	1.0	175	150					150	75	Ge		
	1N636	45\$	2.5	1.0	10	10					80	30	85	Ge	
▼	1N645	225†	400	1.0	.20	225	15	225	100	600	400	150A	F	S1Δ	A1

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

□ - MECHANICAL AND ENVIRONMENTAL TEST.

♦ - PREFERRED TYPE - MIL-STD 701

SEE BACK COVER

for

EXPLANATION of SYMBOLS.

NAVWEPS 16-1-530
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11. DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current	MAX. REVERSE CURRENT				ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION					
				@ 25°C		I _b (μa)	@ E _b (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.	
				I _f (ma)	@ E _f (volts)											
▼♦	USAF1N645	225†	400	1.0	.20	225	15	225	100	600	400	150A	F	S1Δ		A1
▼	1N645-2	225†	400	1.0	.20	225	15	225	100	600	400	150A		S1		A1
	1N645A	225	400	1.0	.20	225	15	225	100	600	400	150A		S1		A1
	1N645B	225	400	1.0	.005	60	.025	225	25	600	400			S1		
▼	1N646	300†	400	1.0	.20	300	15	300	100	600	400	150A		S1Δ		A1
▼	USAF1N646	300	400	1.0	.15	300					400	150J	F	S1		A1
▼♦	1N647	400†	400	1.0	.20	400	20	400	100	600	400	150A	F	S1Δ		A1
▼	USAF1N647	400	400	1.0	.20	400					400	150J	F	S1		A1
▼	1N648	500†	400	1.0	.20	500	20	500	100	600	400	150A	F	S1		A1
▼	USAF1N648	500	400	1.0	.20	500					400	150J	F	S1		A1
▼	1N649	600†	400	1.0	.20	600	25	600	100	600	400	150A	F	S1Δ		A1
▼♦	USAF1N649	600	400	1.0	.25	600					400	150J	F	S1		A1
	1N678M	230	200	1.0	1.0	200	200	200	150	300	200	200		S1		A2a
	1N771	80*	100	1.0			25	50	25A	80	50	90A		GeØ		D07
	1N771A	80*	200	1.0			25	50	25A	80	65	90A		GeØ		
▼	1N771B	80*	400	1.0			25	50	25A	80	75	90A		GeØ		D07
	1N772	70*	100	1.0			50	50	25A	80	50	90A		GeØ		D07
	1N773	65*	100	1.0	10	10	100	50	25A	80	50	90A		GeØ		D07
	1N774	60*	100	1.0	15	10	150	50	25A	80	50	90A		GeØ		D07
	1N774A	60*	200	1.0	15	10	150	50	25A	80	65	90A		GeØ		D07
	1N775	60*	100	1.0	20	10	250	50	25A	80	50	90A		GeØ		D07
	1N776	20	50	1.0	200	10				80	45	90A		GeØ		D07
	1N890	60	20	1.0	.025	60				250	100	150A		S1*		A21
	1N890M	80	20	1.0	.025	60	5.0	60	150	300	100	200		S1		A2a
	1N462AM	70	100	1.0	.50	60	30	60	150	300	150	200		S1		A2a
	1N897	50	5.0	1.0	.10	40	20	40	100	250		150		S1Δ		A2
	1N898	50	100	1.0	.50	40	20	40	100	250		150		S1Δ		A2
	1N899	100	5.0	1.0	.10	80	20	80	100	250		150		S1Δ		A2
	1N900	100	50	1.0	.10	80	20	80	100	250		150		S1Δ		A2
	1N901	100	100	1.0	.50	80	20	80	100	250		150		S1Δ		A2
	1N902	200	10	1.0	1.0	100	15	100	100	250		150		S1Δ		A2
	1N909	50	10	.35	10	10				80	100			GeØ	∅	D07
	1N910	30	10	.35	10	10				80	100			GeØ	∅	D07
	1N911	20	10	.35	10	10				80	100			GeØ	∅	D07
	1N929	20*	20	1.0	100	25					250			S1		D07
	1N930	50*	20	1.0	100	75					250			S1		D07
	1N932	200*	20	1.0	100	250					250			S1		D07
	1N949	50	10	.39	10	10	50	10	55	80		90A		Ge		A21
	1N1625	33‡	.10	1.0	15	26	18.8	26	100J	.25	25A			Se‡		
	1N1625A	33‡	.20	1.0	15	26	18.8	26	100J	.50	25A			Se‡		
	1N1639	165‡	5.0	5.0	108	130	135	130	100J	13	25A			Se‡		
	1N1839	6.8	50	1.0						85	150A			S1		C1b
	1N1840	10	35	1.0							77	150A			C1b	
	1N1841	15	23	1.0							63	150A			C1b	
	1N1842	22	12	1.0							50	150A			C1b	
	1N1843	33	7.0	1.0							40	150A			C1b	
	1N1844	47	4.5	1.0							30	150A			C1b	
	1N1845	68	2.7	1.0							23	150A			C1b	
▼	1N1846	100	1.5	1.0							16	150A			C1b	
	1N1847	150	1.0	1.0							11	150A			C1b	
	1N1848	220	6.5	4.0							9.0	150A			C1b	
	1N1849	330	3.0	4.0							7.5	150A			C1b	
	1N1850	470	2.0	4.0							6.0	150A			C1b	
	1N3147	60	100	1.0			20	30	100	600		200		S1		A22
	1N3465	60	200	1.0	20	45	100	60	25	80	75	90		Ge		D07
	1N3466	40	200	1.0	15	30	100	40	25	80	75	90		Ge		D07
	1N3575	60	100	1.0	.75m	60	.30	60	150	250	150	25		S1		A84a
	1N3576	125	100	1.0	.75m	125	.30	125	150	250	150	25		S1		A84a
	1N3577	175	100	1.0	.75m	175	.30	175	150	250	150	25		S1		A84a
	1N3578	225	100	1.0	.75m	225	.30	225	150	250	150	25		S1		A84a
	1N3643	1000	250	5.0	10	1000	1000	1K*	125A		50	125A		S1		A83
	1N3644	1500	250	5.0	10	1.5K	1000	1.5K*	125A		50	125A		S1		A83
	1N3645	2000	250	5.0	10	2K	1000	2K*	125A		50	125A		S1		A83

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

‡ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

11. DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT			ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION				
			I _f (ma)	@ E _f (volts)	@ 25°C		I _b (μa)	@ E _b (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
	1N3646	2500	250	5.0	10	2.5K	1000Ø	2.5K*125A	50	125A	S1		A83		
	1N3647	3000	250	5.0	10	3K	1000Ø	3K*125A	50	125A	S1		A83		
	1N3657	400	500	1.2	10	400	300	400	150	1W	750	175	S1		A60
	1N3658	600	500	1.2	10	600	300	600	150	1000	750	175	S1		A60
	1N3728	400†	400	1.2	.10	400	10	400	150	250	200	200J	S1		A21
	1N3753	55	150	1.0	5.0	10				80			Ge		D07
	1N3769	90	25	.50	5.0	5.0	20	65	25	80			Ge		D07
	HB2	18	5.0	1.0	5.0	10				150			S1*	C1	
	DRS2	1000	400	1.0	.025	175	5.0	175	150	600		100A	S1		A22
	ED2	5.0	.50	1.0	50	10							Ge		A22
	G02	50	50	1.0	.25	50	15	50	150				S1		A1
▼	2E4	400	300	1.3	25	400	500	400	60		300	130	S1		A35a
	T2G	60*	40	1.0	300	50				80	70	90A	GeØ		
▼	2JC2189HO3	70	20	1.0			5.0	70	150		85	150J	S1		A1
▼	2JC2189HO4	225	100	1.0			25	225	150		200	150J	S1		A1
▼	2JC2189H11	380	100	1.0			25	380	150		200	150J	S1		A1
▼	2JC2719H02	100				5.0	75	100	75	250	75	175A	S1Δ		A1
▼	2JC2719H03	100				5.0	75	100	75	250	75	175A	S1Δ		A1
▼	2JC3636HO1	125	4.0	1.5			100	125	100	200	20	150S	S1		A1
▼	2JC3636HO2	175	4.0	1.5			100	175	100	200	20	150S	S1		A1
▼	2JC3636HO3	125	4.0	1.5			100	125	100	200	20	150S	S1		A1
	ED3	40	5.0	1.0	10	10				150			Ge		A22
	HB3	36	2.7	1.0	10	20				300	150		S1*	C1	
	3BS1	100	200	1.5	25	100	100	100	100				S1		A6a
	T3G	60*	20	1.0	50	50				80	80	90A	GeØ		
	HB4	68	.90	1.0	20	39				150		100A	S1*		C1
	MD04	40†	10	1.0	1.0	30	100	30	150	250	50	150A	T	S1	A2
	ED5	20	20	1.0	200	10					115	75	Ge		A22
	OA5	100	10	.25	.20	1.5	5.0	1.5	60		250		Ge		C10a
	SD005	50	100	1.0			100	50	100				S1		
▼	PS005A	50	100	1.0			100Ø	50	100		200		S1		A38
▼	G5E	100	4.0	1.0	50	50					50	90	N	GeØ	D07
	5E5	500	500	1.3			500		100		750	125A	S1		A35a
▼	5E6	600	500	1.3			500		100		750	15A	S1		
▼	S5G	30	1.0	1.0	.10	10	10	10	100	125	15	125	S1		
▼	T5G	100*	40	1.0	100	100				80	70	90A	GeØ		
	ED6	20	20	1.0	200	10					115		Ge		A22
	F6	20	40	.50	100	20				75		75J	Ge*		
▼	HB6	270	1.5	4.0	75	150				150		100A	S1*		C1
	OA6	60†	10	.40	3.0	60							GeØ		
	ED7	20	.50	1.0	350	10					50		Ge		A22
	OA7	15	30	.56	1.9	25	11	25	60	150	40	150	Ge		C10a
▼	8/6625	125	3.0	1.0	.01	10	.30	10	100	125	50	125	S1		N46
	GD8E	25	20	1.0	50	5.0	1000	20	25	125	60	60A	GeØ		
	S8G	15	1.0	1.0	1.0	5.0	100	5.0	100	125	50	125	S1		
	T8G	60*	100	1.0	5.0	10	20	100	25	80	90A		GeØ		
	OA9	25	50	.55	25	15	60	15	60	100	75		Ge		C10a
	S9G	40	2.0	1.0	.10	20	10	20	125	150	60	150J	S1		A62
	T9G	60*	100	1.0	2.0	10	20	50	25	80		90	GeØ		
	9GA1-3C	22Ø	1.0	2.0	10	20						90	Se		
	9GA4	88	1.0	8.0	10	80						90	Se		
	9FA1	22	1.0	2.0	10	20						90	Se		
	9FA4	88	1.0	8.0	10	80						90	Se		
	T11	30	100	1.0	20	20				130		80A	GeØ		
	WD011	200	200	1.0	.025	175	15	175	150	400	200	150	S1		
	T12	60	20	1.0	30	10	500	50	25	130	70	80A	GeØ		
▼	T12G	60*	20	1.0	30	10	500	50	25	60		90A	GeØ		
	WD012	200	200	1.0	.025	175	5.0	175	150	400	200	150	S1		
▼	T13G	25	40	1.0	2.0	10				80	70	100S	GeØ		
	T14	20	40	1.0	5.0	10				130	85	80A	GeØ		A62
▼	T14G	20*	40	1.0	5.0	10				80	70	90A	GeØ		
	T17	100*	5.0	1.0	5.0	3.0	500	100	25	130	60	80A	GeØ		
	T18	50	20	1.0	125	50				130	40	80A	GeØ		

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NAVWEPS 16-1-530
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11. DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT				ABSOLUTE MAX. RATINGS @ 25°C				DESCRIPTION		
			I _f (ma)	@ E _f (volts)	@ 25°C		I _b (μa)	@ E _b (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
▼	A20	100	1.5	1.0	.20	100	40	100	125	100	125	125	S1	C3	
▼	SD20	200			30	10	500	50	25	130	40	150A	S1	C1	
T20	50	20	1.0									80A	GeØ		
▼	T20G	50*	20	1.0			500	50	75	80		90	GeØ		
T21	25	20	1.0		50	20					130	40	80A	GeØ	
T21G	25	20	1.0		50	20					80	35	90A	GeØ	
▼	T22G	15*	40	1.0			20	10	75	80		90	GeØ		
T25	20Ø	200	1.0		20	10				130	150	80A	GeØ		
▼	Q46	30	80	1.0			100	25	25A			90A	Ge	♦	
G48	70	4.0	1.0		833	50					50	75	Ge		
MC050	500	400	1.0		.20	500	15	500	150	300	200	200	S1	A2a	
MC050A	500	400	1.0		.025	500	5.0	500	150	300	200	200	S1	A2a	
MC060	600	400	1.0		.20	600	25	600	150	300	200	200	S1	A2a	
MC060A	600	400	1.0		.025	600	5.0	600	150	300	200	200	S1	A2a	
G63	100	4.0	1.0										S1	A2a	
▼	66-0708	800	100	6.0	25	800	100	800	75		100	150C	S1*	A63	
▼	66-0710	1000	100	6.0	25	1000	100	1000	75		100	150C	S1*	A63	
▼	66-0712	1200	100	6.0	25	1200	100	1.2K	75		100	150C	S1*	A63	
G67	80	4.0	1.0		5.0	5.0	50	50	25		30	75	Ge		
MC080	800	200	1.0		.30	800	30	800	150	300	200	200	S1	A2a	
MC080A	800	200	1.0		.05	800	10	800	150	300	200	200	S1	A2a	
MC090	900	200	1.0		.30	900	30	900	150	300	200	200	S1	A2a	
MC090A	900	200	1.0		.05	900	10	900	150	300	200	200	S1	A2a	
C99	80	10	1.0										S1	A2a	
▼	DD100	80	4.0	1.0	5.0	5.0	50	50	25	80	30	90A	Ge	♦	Quad
MC100	1000	200	1.0		.50	1K	50	1K	150	300	200	200	S1	A2a	
MC100A	1000	200	1.0		.05	1K	10	1K	150	300	200	200	S1	A2a	
PD102	50	20	1.0		.50	10	25	10	100	250		150	S1Δ	A2	
STC103	70*	10	.72		.025	70	15	70	150		200		S1	A21	
STC104	70*	10	.72		.025	70	5.0	70	150		200		S1	A21	
PD105	100	20	1.0		.50	10	25	10	100	250		150	S1Δ	A2	
STC105	130*	10	.72		.025	130	15	130	150		200		S1	A21	
PD106	100	50	1.0		.50	10	25	10	100	250		150	S1Δ	A2	
STC106	130*	10	.72		.025	130	5.0	130	150		200		S1	A21	
PD107	100	100	1.0		.50	10	25	10	100	250		150	S1Δ	A2	
STC107	180Δ	10	.72		.025	180	15	180	150		200		S1	A21	
STC108	180Δ	10	.72		.025	180	5.0	180	150				S1	A21	
MC110	1100	200	1.0		.20	1100				300	200	200	S1	A2a	
PD110	300	5.0	1.0		1.0	300				250	20	150	S1	A2	
MC110A	1100	200	1.0		.025	1100				300	200	200	S1	A2a	
PD111	400	5.0	1.0		1.0	400				250	20	150	S1	A2	
PD112	500	5.0	1.0		1.0	500				250	20	150	S1	A2	
PD113	575	5.0	1.0		1.0	575				250	20	150	S1	A2	
PD114	650	5.0	1.0		1.0	650				250	20	150	S1	A2	
PD115	750	5.0	1.0		1.0	750				250	20	150	S1	A2	
▼	Q116	80	4.0	1.0	1.0	750				250	30	150	S1	A2	
MC120	1200	200	1.0		.20	1200				300	200	200	S1	A2a	
MC120A	1200	200	1.0		.025	1200				300	200	200	S1	A2a	
PD125	60	20	1.0		.025	60	5.0	60	150	250	30	150	S1	A2	
DR128	75*	50	1.0		100	50				80			GeØ		
PD129	125	7.0	1.0		.025	125	5.0	125	150	250	30	150	S1	A2	
MC130	1300	100	1.0		.30	1300				300	100	200	S1	A2a	
PD130	175	3.0	1.0		.025	175	5.0	175	150	250	20	150	S1	A2	
MC130A	1300	100	1.0		.025	1300				300	100	200	S1	A2a	
PD131	25	40	1.0		.025	25	5.0	25	150	250	40	150	S1	A2	
PD132	40	10	1.0		1.0	30	40	30	100	250	30	150	S1	A2	
SG132	125	7.0	1.0		.025	125	5.0	125	150		100		S1	DO7	
▼	S132G	100	20	1.0		625	100				80	60	90A	Ge	DO7
SG133	175	3.0	1.0		.025	175	5.0	175	150	200	40	200S	S1	A38a	
PD135	250	10	1.0		1.0	240	40	240	100	250	30	150	S1	A2	

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11. DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT				ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION			
			@ 25°C		I_b (μ A)	$@ E_b$ (volts)	$@ T$ (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.	
			I_f (ma)	$@ E_f$ (volts)											
▼	MC140	1400	100	1.0	.30	1400			300	100	200	S1		A2a	
	MC140A	1400	100	1.0	.025	1400			300	100	200	S1		A2a	
	S142G	60	20	1.0	100	50	15	5.0	65	80	60	90A	Ge	D07	
▼	MC150	1500	100	1.0	.50	1500			300	100	200	S1		A2a	
	MC150A	1500	100	1.0	.025	1500			300	100	200	S1		A2a	
	G154	80*	200	1.0	40	80			80	75	90	Ge		D07	
▼	G155	80*	200	1.0	80	80			80	75	90	Ge		D07	
	G157	35*	200	1.0	30	30			80	75	90	Ge		D07	
	G159	30*	25	.50	60	20			80	85	90	Ge		D07	
▼	170	26Ø	1.0	2.0	16	26					90	Se			
	SG176	150	7.0	1.0	.025	125	.02	10	100	200	55	200	M	S1	A21
	C202-321B	60	100	.80	20	50	100	50	70	80	75	90J	Ge	A1	
▼	C202-325	80	10	1.0	20	50	100	50	100	200		150S	S1		
	C202-335	225†	400	1.0	.20	225				600	400	150	S1		
	CID205	100	10	.50	50	80	10	5.0	25		20	GeØ	A61		
▼	DR207	75*	20	1.0	50	50			80	60		GeØ			
	DR213	75*	100	1.0	2.0	10	20	50	25	80	80		GeØ		
	248C11536	100†	40	1.0	50	50			80	70	85J	Ge		A21	
▼	0252	30			15	20	75	30	55	80	60	90A	Ge		
	0253	30			15	20	75	30	55	80	60	90A	Ge		
	S254G	20			1.0	10	100	10	100	75	35	125A	S1		D07
▼	270	52Ø	1.0	4.0	16	52						90	Se		
	DR272	150*	400	1.0	20	100			80	100		G			
	DR281	45			200	20	1000	45	55	80		90S	S1		D07
▼	S283G	30	5.0	1.0	100	40	10	10	125		75	125A	S1		D07
	DR291	60*	50	1.0	100	25				80		GeØ			
	G296	200	250	1.1	1.0	200	100	200	150			S1	A1		
▼	FD300	125	200	1.0	.001	125	3.0	125	150	500	300	25	S1		A22
	CGD301	50	40	1.0	25	50				80	70	90	GeØ		A21
	DR301	125*	400	1.0	100	50			80	100		GeØ			
▼	DR302	100*	400	1.0	100	50			80	100		GeØ			
	DR304	190*	200	1.0	500	150			80	100		GeØ			
	DR305	125*	200	1.0	100	50			80	100		GeØ			
▼	DR306	100*	200	1.0	100	50			80	100		GeØ			
	DR308	100*	200	1.0	10	10	50	50	25	80	100		Ge†		
	DR309	100*	400	1.0	10	10	50	50	25	80	100		GeØ		
▼	DR310	150*	100	1.0	50	100			80	80		GeØ			
	DR311	150*	100	1.0	100	100				80		GeØ			
	DR312	125*	100	1.0	5.0	10	20	100	25	80	80		GeØ		
▼	DR313	100*	100	1.0	2.0	10	20	50	25	80	80		GeØ		
	DR315	150*	50	1.0	50	100				80		GeØ			
	DR316	125*	50	1.0	100	100				80		GeØ			
▼	DR317	100*	50	1.0	50	50				80		GeØ			
	FD319	225	100	1.0	.05	225	25	225	150	250	100	175	S1#		A22
	DR321	125*	200	1.0			125	50	75	80	100		GeØ		
▼	DR322	125*	100	1.0	200	50				80	80		GeØ		
	S322-1064G1	80	4.0	1.0	5.0	5.0	50	50	25		50	90	Ge		A23a
	322-1068P1	70	20	1.0	.025	60	5.0	60	150	200	75		S1	C1	
▼	DR323	100*	100	1.0			200	50	75	80	80		GeØ		
	FD323	60	5.0	1.0	.50	60	30	60	150	250	5.0	175	S1#		A22
	DR324	100*	100	1.0			500	50	75	80	80		GeØ		
▼	FD324	175	1.0	1.0	.50	175	30	175	150	250	1.0	175	S1#		A22
	DR325	125*	100	1.0			75	10	75	80	80		GeØ		
	FD325	25	40	1.0	.025	25	5.0	25	150	250	40	175	S1#		A22
▼	FD326	60	20	1.0	.025	60	5.0	60	150	250	20	175	S1#		A22
	DR327	125*	300	1.0	100	50				80	100		GeØ		
	FD327	125	7.0	1.0	.025	125	5.0	125	150	250	7.0	175	S1#		A22
▼	FD328	175	3.0	1.0	.025	175	5.0	175	150	250	3.0	175	S1#		A22
	FD329	125	3.0	1.0	.50	125	30	175	150	250	3.0	175	S1#		A22
	UCI329	60	1.0	1.0			60	60	150	100	30	150	S1*		
▼	DR336	100*	40	1.0	8.0	5.0	100	50	25				GeØ		
	DR337	100*	40	1.0	5.0	5.0	50	50	25				GeØ		
	DR338	75*	40	1.0	100	50				80			GeØ		

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
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11. DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT			ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION					
					@ 25°C		I _b (μA)	@ E _b (volts)	@ T (°C)		Diss. (mw)	Avg. Rect. Fwd. Current (mA)	Max. Temp. (°C)	Status	Mat.	Use	Dwg. No.
			I _f (mA)	@ E _f (volts)	I _b (μA)	@ E _b (volts)										
	FD338	30	200	1.0	.25	30	30	30	150	250	200	175	S1#		A22	
	FD339	30	200	1.0	.025	30	15	30	150	250	200	175	S1#		A22	
	FD340	30	200	1.0	.025	30	5.0	30	150	250	200	175	S1#		A22	
▼	FD344	125	200	1.0	.25	125	30	125	150	250	200	175	S1#		A22	
▼	FD346	125	200	1.0	.025	125	5.0	125	150	250	200	175	S1#		A22	
▼	C348C19287-1	150*	7.0	1.0	.025	125	5.0	125	150	200	55	200	M	S1Δ	A21	
	DR351	50*	200	1.0			300	30	50	80	100		GeØ			
	FD351	225	200	1.0	.05	225	25	225	150	250	200	175	S1#		A22	
	FD352	225	200	1.0	.05	225	10	225	150	250	200	175	S1#		A22	
▼	353-2008-00	35†	100	1.0			200	20					70	90A	Ge	A21
	FD359	130	250	1.0	.005	130	5.0	130	150	250	250	175	S1#		A22	
	FD360	180	250	1.0	.005	180	5.0	180	150	250	250	175	S1#		A22	
	FD361	225	250	1.0	.005	225	5.0	225	150	250	250	175	S1#		A22	
▼	DR379	125*	200	1.0	100	50	50	20	50	80	100		GeØ			
▼	400E	140	3.0	1.0	.5m	50							Ge	N22		
▼	410A	50	20	1.5	(2 sets of 5 diodes)								Ge	♦	N22	
▼	411A	50	1.0	.50	.85	50	Pair matched to 5% forward						Ge	♦	N22	
▼	S423G	80	10	25	50	25	5.0	5.0	25	30	90S		Ge	DO7		
▼	DR427	20†	50	1.0	500	10						85A	Ge			
▼	DR435	20†	10	.37	10	10						100	85A	Ge	DO7	
	DR449	25*	20	1.0	500	10							GeØ			
▼	CGD462	45	150	1.0	5.0	10						80	80	90	GeØ	A21
▼	CTP462	45	150	1.0	5.0	10						30	85A	GeØ	A21	
	DR464	12†	50	1.0	100	5.0								Ge	DO7	
▼	479-0258-001	30			15	20	75	30	55	80	60	90A	Ge			
	MP500	500	400	1.0	.05	500	75	500	200				S1		A97	
▼	PS512A	30	30	1.0	.03	30	25	30	150	1000			S1			
▼	PS514A	45	20	1.0	.03	45	25	45	150	1000		150A	S1			
▼	576R124H01	60	100	1.0	.10	2.0						150A	175S	S1	A38d	
▼	593B49	70	100	1.0	.025	60	5.0	60	150	250	200	200A	N	S1	A62	
▼	593B50	70	100	1.0	.025	60	5.0	60	150	250	200	200A	N	S1	A62	
▼	593B51	70	100	1.0	.025	60	5.0	60	150	250	200	200A	N	S1	A62	
▼	PS594	10	100	1.0	1.0	5.0						500	200	150	S1	
▼	MP600	600	400	1.0	.05	600	75	600	200				S1			
▼	TI600C	27†	3.0	1.0	1.0	10	20	10	150	40	25	150A	S1		C3	
▼	TI601C	45†	10	1.0	.025	10	40	10	150	40	25	150A	S1		C3	
	PS603	30§	200	1.0	.25	30	30	30	150A	500	200	200	S1			
	PS604	30§	200	1.0	.025	30	15	30	150A	500	200	200	S1			
	PS605	30§	200	1.0	.025	30	5.0	30	150A	500	200	200	S1			
▼	TI606C	6.8†	35	1.0	.10	6.8	40	6.8	150	40	90	150A	S1		C3	
▼	TI608C	10†	25	1.0	.10	10	40	10	150	40	75	150A	S1		C3	
	612C	22†	20	1.0	.10	22	40	22	150	40	50	150A	S1		C3	
	PS615	125*	200	1.0	.25	125	30	125	150A	500	200	200	S1			
	PS617	125*	200	1.0	.025	125	5.0	125	150A	500	200	200	S1			
	618C	68†	10	1.0	.20	68	40	68	150	40	35	150A	S1		C3	
▼	TI620C	100†	10	1.0	.20	100	40	100	150	40	30	150A	S1		C3	
▼	TI622C	150†	7.0	1.0	.20	150	20	150	100	40	25	100A	S1		C3	
▼	TI624C	220†	3.0	1.0	.20	220	20	220	100	40	20	100A	S1		C3	
	626C	330	2.0	4.0	1.0	330	20	330	71	75	7.0		S1		C3	
	PS628	225△	200	1.0	.05	225	25	225	150A	500	200	200	S1			
	628C	470	1.0	4.0	1.0	470	20	470	71	70	5.0		S1		C3	
	PS629	225△	200	1.0	.05	225	10	225	150A	500	200	200	S1			
	PS632	300△	200	1.0	.25	300	50	300	150A	500	200	200	S1			
	PS633	300△	200	1.0	.10	300	25	300	150A	500	200	200	S1			
▼	DR670	200*	200	1.0	.025	175	5.0	175	150	80	30	90	S1			
	CTP766	65†	10	.45	25	65	100	65	50	80	30	90	Ge		A21	
	CK863	300	1.0	1.0	.01	10	.60	10	100	150	20	150	S1Ø			
	DR863	40*	20	1.0			500	30	90				S1			
	CK863A	300	3.0	1.0	.01	10	.60	10	100	150	30	150	S1Ø			
	CK863B	300	20	1.0	.01	10	.60	10	100	150	50	150	S1Ø			
▼	910D6-3	80	10	1.0	50	50					30	90S	Ge		A21	
▼	910D59-3	20	100	1.0	20	20	450	20	75	75	80	75S	Ge		DO7	
▼	XD1045	60	5.0	1.0	30	10	500	50	25	40	90	M	GeØ	Quad	DO7	

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11. DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT				ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION				
			@ 25°C		I_b (μ A)	E_b (volts)	I_b (μ A)	E_b (volts)	T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
			I_f (ma)	E_f (volts)												
▼	CD1113	130	250	1.0	.005	130	5.0	130	150	200	200	200	Si			
	CD1114	180	250	1.0	.005	180	5.0	180	150	200	200	200	Si			
▼	CD1115	225	250	1.0	.005	225	5.0	225	150	200	200	200	Si			
▼	CD1116	300	250	1.0	.005	300	5.0	300	150	200	200	200	Si		A1	
▼	CD1275	70	15	1.0	1.0	60	60	60	65	200	200	200S	Si		A22a	
	ED1801	40	40	1.0			250	10	55				Ge		A22	
	ED1814	75	7.0	.50	10	10	300	30	25				GeØ		A22	
	ED1815	100 Δ	200	1.0	100	50	50	20	50				GeØ		A22	
	ED1816	50	200	1.0			300	30	50				GeØ		A22	
	ED1834	30	5.0	.34	15	10							Ge			
	ED1835	70	3.0	1.0	10	10							Ge			
	ED1836	50	5.0	.34			80	10	55				Ge			
	ED1837	60	20	.50	15	10	200	50	25	80	60	90	Ge			
	ED1847	60	100	1.0	250	50	20	10	25				Ge		A22	
	ED1847S	60	100	1.0	250	50	20	10	25				Ge		A22	
	ED1861	130	4.0	1.0	150	75	50	50	25	30			Ge†		A22	
	ED1903	90	30	1.0	40	60	5.0	5.0	25				Ge		A22	
	ED1980	40*	50	1.0	50	30							Ge			
	ED2009	25	.30	1.0	100	20	10	10	25				Ge			
	ED2010	20	100	1.0	25	10							Ge			
▼	HD2051	125†	4.0	1.0	50	50										
▼	HD2081	140†	5.0	1.0	50	50							Ge			
▼	LFE2094	50	1.3	.50	50	10							Ge			
▼	HD2100	80	4.0	1.0	5.0	5.0	50	50	25		20	70A	Ge			
	ED2102	10	10	.45	5.0	10	60	10	65	80	80	85	Ge			
	ED2103	15	30	.56	1.9	25	11	25	60	80	50	60	Ge			
	ED2107	20	40	1.0	5.0	10				80	70	90A	Ge			
	ED2108	20	40	1.0	10	10				80	70	90A	Ge			
	ED2112	125	200	1.0	100	50				80	100		Ge			
	ED2113	125	400	1.0	100	50				80	100		Ge			
▼	HD2120	75†	5.0	1.0	30	10	400	50	25				Ge			
▼	HD2123	190	3.0	1.0	500	150							Ge			
▼	HD2149	70†	3.0	1.0	10	10							Ge			
▼	HD2151	80†	50	1.0	.05	50										
▼	HD2152	30	100	1.0	.20	20										
▼	HD2155	60	50	1.0	.50	50										
▼	HD2160	60	200	1.0	.05	50										
	ED2801	40	100	1.0	.025	30	5.0	30	150				Si			
	ED2815	250	100	1.0	.05	225	25	225	150				Si			
	ED2818	275	200	1.0	.10	150				200	100	200	Si			
	ED2819	325	240	1.0	.10	150				200	100	200	Si			
	ED2821	70	50	1.0	.25	60	30	60	150	200	100	200	Si			
	ED2822	70	50	1.0	.025	60	5.0	60	150	200	200	200	Si			
	ED2831	380	265	1.0	.25	380	50	380	150	200	100	200	Si			
	ED2832	380	265	1.0	.10	380	25	380	150	200	200	200	Si			
	ED2833	36	25	1.0	.25	30	30	30	150	200	100	200	Si			
	ED2834	30	15	1.0	.50	25	30	25	150				Si			
	ED2835	70	5.0	1.0	.50	60	30	60	150				Si			
	ED2836	200	1.0	1.0	.50	175	30	175	150				Si			
	ED2837	30	40	1.0	.025	25	5.0	25	150				Si			
	ED2838	70	20	1.0	.025	60	5.0	60	150				Si			
	ED2839	150	7.0	1.0	.025	125	5.0	125	150				Si			
	ED2840	200	3.0	1.0	.025	175	5.0	175	150				Si			
	ED2841	150	3.0	1.0	.50	125	30	125	150				Si			
▼	MP3016	80	4.0	1.0	50	50	250	50	75	30	90		Ge		A1	
▼	MP3512	150*	7.0	1.0	.025	125	5.0	125	150	200	55	200	S1Δ		A2	
	HD4418	30†	10	1.0			50	25	100				Si			
	HD4419	70†	10	1.0			50	60	100				Si			
	HD4420	150†	10	1.0			50	125	100				Si			
▼	MQ4512	70†	20	1.0	.025	60	5.0	60	150				Si	Quad	A21	
▼	MQ4551	200*	3.0	1.0	.025	175	5.0	175	150	200	40	200	Si	Quad	A21	
	PS4725	60†	10	1.0	.50	10	25	50	100	500	100	150A	S1Δ	A1		
	PS5303	500	400	1.0	.02	500	15	500	150	600	400	200S	Si*	A46		

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11. DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT			ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION			
			@ 25°C		I _b (μa)	@ E _b (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
			I _f (ma)	@ E _f (volts)										
▼	PS5304	600	400	1.0	.02	600	15	600	150	600	400	200S	S1*	A46
▼	HD6001	30†	15	1.0	.50	25	30	25	150				S1	A21
▼	HD6002	70†	5.0	1.0	.50	60	30	60	150				S1	A21
▼	HD6003	200†	1.0	1.0	.50	175	30	175	150				S1	A21
▼	HD6005	30†	40	1.0	.025	25	5.0	25	150				S1	A21
▼	HD6006	70†	20	1.0	.025	60	5.0	60	150				S1	A21
▼□	HD6007	150†	7.0	1.0	.025	125	5.0	125	150				S1	A21
▼□	HD6008	200†	3.0	1.0	.025	175	5.0	175	150				S1	A21
▼□	HD6013	60	5.0	1.0	.50	60	30	60	150	200	50	200A	S1	
▼□	HD6014	175	1.0	1.0	.50	175	30	175	150	200	30	200A	S1	
▼□	HD6017	125	7.0	1.0	25	125	5.0	125	150	200	55	200A	S1	
▼	HD6025	30	40	1.0			5.0	30	150		64	150	S1	A1
▼	HD6027	150	7.0	1.0			5.0	150	150		42	150	S1	A1
▼	HD6028	200	3.0	1.0			5.0	200	150		26	150	S1	A1
▼	HD6042	275	1.0	1.0	100	300	30	275	150		30		S1	
▼	HD6058	10	1.5	.735	500	10							S1	
▼	HD6064	200	1.0	1.0	.50	175	10	175	125				S1	
▼	HD6132	40	100	1.0	.025	30	5.0	30	150				S1	A21
▼	HD6136	250	100	1.0	.05	225	25	225	150				S1	
▼	HD6147	25	40	1.0	25	25	5.0	25	150	200	90	75	S1	A21
▼	HD6154	225	7.0	1.0	3.0	200	20	215	150	200A			S1	A21
▼	HD6158	35	40	1.5	3.0	35	100	50	25				S1	
▼	HD6189	180	7.0	1.0	25	180	100	200	25	200	55	200	S1	
▼	HD6224	30	10	1.0	2.0	25	60	25	150				S1	
▼	HD6225	60	10	1.0	2.0	60	60	60	150				S1	
▼	HD6237	70	.60	1.0			60	60	150				S1	
▼	HD6251	30	33	1.16	100	30							S1	
▼	HD6261	175	40	1.0	.025	175	5.0	175	150				S1	
▼	HD6753	275	200	1.0	.10	150				200	100	200	S1Δ	A21
▼	HD6754	325	240	1.0	.10	150				200	100	200	S1Δ	A21
▼	HD6763	70	50	1.0	.25	60	30	60	150	200	100	200	S1Δ	A21
▼	HD6764	70	50	1.0	.025	60	5.0	60	150	200	200	200	S1Δ	A21
▼	HD6766	130	90	1.0	.025	125	5.0	125	150	200	200	200	S1Δ	A21
▼	HD6767	180	125	1.0	.25	175	30	175	150	200	100	200	S1Δ	A21
▼	HD6768	180	125	1.0	.025	175	5.0	175	150	200	200	200	S1Δ	A21
▼	HD6774	380	265	1.0	.25	380	50	380	150	200	100	200	S1Δ	A21
▼	HD6775	380	265	1.0	.10	380	25	380	150	200	200	200	S1Δ	A21
▼	HD6777	36	25	1.0	.25	30	30	30	150	200	100	200	S1Δ	A21
▼	HD6792	160	100	1.0	.025	60	5.0	60	150				S1	
▼	HD6811	150	100	1.0	.10	150							S1	
▼	HD6836	400	5.0	.75	1.0	350							S1	
▼	A10859	175	3.0	1.0	.05	175	4.0	175	135		40	135	S1	A21
▼	10911E	25	100	1.0			25	1.0	75				Ge	
▼	ARC15910	60*	5.0	1.0	30	10	500	50	25		50	90	GeΔ	A90
▼	CA19001A	100	100	1.0	.005	100				250		200	S1	
▼	CA19002A	100	100	1.0	.005	100				250		200	S1	
▼	CA19003A	100	100	1.0	.005	100				250		200	S1	
▼	CA19004A	100	100	1.0	.005	100				250		200	S1	
▼	45092	.30	.80	.12	25	.30							♦	A22
▼	P057462-501-21													
▼	P057462-501-21	225†	400	1.0	Stack of 12 1N645								♦	
▼	P057462-501-11	225†	400	1.0	.20	225	15	225	100	600	400	150A	S1	♦ Set of 12
▼	CE78619	30	200	1.0	200	20				80A				A3c
▼	D78619	30	200	1.0	200	20				80A				N12c
▼	B78630	60	5.0	1.0	15	10	800	50	25A					DO7
▼	B78960	100	3.0	1.0	625	100				80A				DO7
▼	DRC81216	30†	1.0	.50	200	30Δ	100Δ	10	55	80		100	Ge	
▼	137531	100*	100	1.0	250	50	75	10	75	80		90	GeØ	DO7
▼	153552-000	80	4.0	1.0	Matched pair JAN1N198									
▼	SM-B-181960	100\$	3.0	1.0	25	10	300	50	25		30	70	Ge	N23
▼	L291664-4	70†	5.0	1.0	5.0	60	30	60	150				S1	A1
▼	474988-1	100	7.0	1.0			.10	100	71				S1	QUAD N50

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11. DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT				ABSOLUTE MAX. RATINGS @ 25°C				DESCRIPTION		
			I _f (ma)	@ E _f (volts)	I _b (μa)	@ E _b (volts)	@ T (°C)	Diss. (mw)	Avg. Rect. Fwd. Current (ma)	Max. Temp. (°C)	Status	Mat.	Use	Dwg. No.	
▼	527758	60*	100	1.0	.30	10	500	50	25	80	75	90A	Ge		
▼□	617981-2	80†	4.0	1.5	.006	50	12	50	100	200	20	150A	S1	PAIR	A1
▼□	620098	170*	5.0	1.0	.050	150	10	150	125	150		150A	S1		C1
▼□	622827-2	25	40	1.0	.025	25	5.0	25	150	200	90	200A	S1		A1
▼	624781-1	70*	20	1.0	.025	60	5.0	60	150	200	75	200	M	S1Δ	A21
▼□	632281-001	225	400	1.0	.20	225	15	225	100A	600		150A	S1		A1
▼□	720635-9	25†	20	1.0	.10	20				100		150J	S1		A1
▼	720699-88	30	5.0	.50	.50	20	20	10	55	80	70	90	Ge		A21c
▼	744993-20	200*	3.0	1.0	.025	175	5.0	175	150	200	40	200	M	S1Δ	A21
▼□	744995-20	200	100	1.0			25	200	100	150		150A	S1		C1
▼□	925008-4	175	3.0	1.0	.025	175	5.0	175	150	200	36	175A	N	S1	A23
▼□	925008-26	175	4.0	1.5			10	15	90			125A	N	S1	A23
▼□	925049-504	80*	4.0	1.0	5.0	5.0				80	35	100	Ge	♦QUAD	A21
▼□	925255-2	175	15	1.5	.50	175	25	175	100	200		125	S1	♦QUAD	M51a
▼□	970003-501	100	3.0	1.0	.05	100						100A		♦QUAD	
▼□	970003-501-3	100	3.0	1.0	.05	100						100A		♦QUAD	
▼□	1002390	180	100	1.1	.25	175	30	175	150	250		200	S1		A1
▼□	1047273	70	1.0	.65	.025	60	15	60	150	250		150	S1		A22a
▼	1105477	300†	100	1.1	.25	300	50	300	150	250	100	200A	S1	♦Set 6	D07
▼	1214131	100§	2.5	1.0	Set of 6	matched	1N75	in assembly.		600	400	150	S1	♦	
▼	1225359-3	400†	400	1.0	.20	400	20	400	100				S1		A1
▼□	1249959-11	225	7.0	1.1	.01	10	5.0	60	150			200A	S1		A22
▼□	1249959-12	200	100	1.1	.025	175	5.0	175	150			200A	S1		A22
▼	1293411-1	70	100	1.0			5.0	60	150		200	150	S1		A1
▼□	1583965-3	120	.90	1.0	1.0	120	50	120	100			100A			D07
▼□	1583965-4	36	3.0	1.0	.03	20	2.0	20	100			100A			D07
▼	1776085	30†	15	1.0	.50	25	30	25	150	200	60	200	S1		A1
▼□	1979819	60	5.0	1.0	100	50				80	30	90J	Ge		A1
▼	5462286P2	125	3.0	1.0	.01	10	.30	10	100	150	40	150	S1		
▼	7434802	60	20	1.0	.025	60	5.0	60	150			150	S1		A22

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
□ — MECHANICAL AND ENVIRONMENTAL TEST.
♦ — PREFERRED TYPE — MIL-STD 701

12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current (amps) @ T (°C)	ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
				Full Load Voltage Drop (volts)	Surge Current one cycle (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
▼	NA1	50	1.0 100	2.0			.30	50	100	S1			S4b
▼	TM1	50†	1.0Ø 100C	2.0		125A	.30Ø		100C	S1			
	ED1C12	3600†	.06 75A			150A				S1	♦10		
▼□	1D-20-1	100†	.40 25	1.5	1.0	200	.50	100	150	S1		A1	
	1E4	400	1.0 25	1.1	22	100	.002	400	25	T	S1	Ø	A3c
	1E6	600	1.0 25	1.1	22	100	.002	600	25	T	S1	Ø	A3c
	1H2-2361	4000	.05 100	6.0	5.0	125	.10	4000	100	S1			
	1H3-2361	5000	.05 100	6.0	5.0	125	.10	5000	100	S1			
	1H4-2361	6000	.05 100	6.0	5.0	125	.10	6000	100	S1			
▼□	1JC8151-1	70	.050 25			90				M	Ge	3	A1
▼	1N91	100†	.15 55	.22Ø	25	95A	1.4Ø				Ge*	Ø	D03
▼	1N92	200†	.10 55	.19Ø	25	95A	.95Ø				Ge*	Ø	D03
▼	1N93	300†	.075 55	.18Ø	25	95A	.60Ø			N	Ge*	Ø	D03
▼□	1N93SP	100	.075 55	1.0		85A	1.2	300	25		Ge		A89
▼	1N94	185	.50 25		25		.80	380	25		Ge		
▼	1N151	100†	.50 55	.18Ø	25	95A					GeΔ	Ø	
▼	1N152	200†	.50 55		25	95A					GeΔ	Ø	
	1N153	300†	.50 55		25	95A					GeΔ	Ø	
▼	1N158	380†	.50 55		25	95A					GeΔ	Ø	
▼	1N248	50†	10Ø 150C	1.5		175A	5.0Ø				S1		D05Δ
▼	1N248A	50†	20Ø 150C	1.5		175A	5.0Ø				S1		D05Δ
▼	1N248B	50	20Ø 150	1.5			5.0Ø				S1		D05
▼	1N249	100†	10Ø 150C	1.5		175A	5.0Ø				S1		D05Δ
▼	1N249A	100†	20Ø 150C	1.5		175A	5.0Ø				S1		D05Δ
▼	1N249B	100	20Ø 150	1.5			5.0Ø				A	S1	D05Δ
▼♦	USA1N249B	100	20Ø 150	1.5			5.0Ø				A	S1	D05
▼	1N249R	100†	10Ø 150C	1.5		175A	5.0Ø				S1		D05Δ
▼	1N250	200†	10Ø 150C	1.5		175A	5.0Ø				S1		D05Δ
▼	1N250A	200†	20Ø 150C	1.5		175A	5.0Ø				S1		D05Δ
▼	1N250B	200†	17 190	1.4		200S	10	200	170*		S1		S27
▼	1N250B/C	200†	20 150C	1.5		175S	5.0Ø	140	150		S1		D05
▼	1N253	95†	1.0Ø 150C	2.0		175A	.10Ø			M	S1		D04
▼	1N253C	95†	1.0Ø 150C	2.0		175A	.10Ø			M	S1		D04
▼	1N254	190†	.40Ø 135	2.0		175A	.10Ø			M	S1		D04
▼	1N255	380†	.40Ø 135	2.0		175A	.15Ø			M	S1		D04
▼	1N256	570†	.20Ø 135	2.0		175A	.25Ø			M	S1		D04
▼	1N315	100†	.10 85		5.0	85A				F	Ge		D03
▼	1N315A	150	100 25		25A		.16	150	25		Ge		
▼	1N316	50	.25 100	2.0		200	.30Ø		100		S1		A53
	1N316A	50	.25 100	.60			.07	50	150		S1		D02
	1N317A	100	.25 100	.60			.10	100	150		S1		D02
	1N318A	200	.25 100	.60			..	200	150		S1		D02
▼	1N319	350	.25 100	2.0		200	.30Ø		100		S1		D02
	1N319A	350	.25 100	.60			.24	350	150		S1		D02
▼	1N320	500	.25 100	2.0		200	.30Ø		100		S1		D02
	1N320A	500	.25 100	.60			.25	500	150		S1		D02
	1N321	850	.25 100	.60Ø	10		.30Ø	850	100		S1		
	1N321A	850	.25 100	.60			.21	850	125		S1		D02
	1N322	1000	.25 100	.60Ø	10		.30Ø	1000	100		S1		
	1N322A	1000	.25 100	.60			.21	1000	125		S1		D02
	1N323	50	.40 100	2.0		200	.30Ø		100		S1		D02
▼	1N323A	50	.40 100	.60			.12	50	150		S1		D02
	1N324A	100	.40 100	.60			.12	100	150		S1		D04
	1N325A	200	.40 100	.60			.12	200	150		S1		D02
▼	1N327	500	.40 100	2.0		200	.30Ø		100		S1		D02
	1N327A	500	.40 100	.60			.25	500	150		S1		D02
	1N328	850	.40 100	.60Ø	10		.30Ø	850	100		S1		
	1N328A	850	.40 100	.60			.21	850	125		S1		D02
	1N329	1000	.40 100	.60Ø	10		.30Ø	1000	100		S1		
	1N329A	1000	.40 100	.60			.21	1000	125		S1		D02
▼	1N332	400†	.40Ø 150C	2.0		175A	.20Ø		150		S1		D04
	1N333	400†	.20Ø 150C	2.0		175A	.20Ø		150		S1		D04
	1N334	300†	.40Ø 150C	2.0		175A	.20Ø		150		S1		D04

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

Ø — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION		
			Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.	
▼	1N335	300†	.20Ø	150C	2.0	175A	.20Ø	150	S1			D04	
	1N336	200†	.40Ø	150C	2.0	175A	.10Ø	150	S1			D04	
▼	1N338	100†	1.0Ø	150C	2.0	175A	.20Ø	150	S1			D04	
▼	1N339	100†	.40Ø	150C	2.0	175A	.10Ø	150	S1			D04	
▼	1N340	100†	.20Ø	150C	2.0	175A	.10Ø	150	S1			D04	
▼	1N341	400†	.40Ø	150C	2.0	175A	.50Ø	150	S1			D04	
▼	1N342	400†	.20Ø	150C	2.0	175A	.50Ø	150	S1			D04	
▼	1N343	300†	.40Ø	150C	2.0	175A	.50Ø	150	S1			D04	
▼	1N344	300†	.20Ø	150C	2.0	175A	.50Ø	150	S1			D04	
▼	1N345	200†	.40Ø	150C	2.0	175A	.50Ø	150	S1			D04	
▼	1N347	100†	1.0Ø	150C	2.0	175A	.50Ø	150	S1			D04	
▼	1N348	100†	.40Ø	150C	2.0	175A	.50Ø	150	S1			D04	
	1N359	50	.10	100	2.0	200	.25Ø	100	S1			D02	
	1N359A	50	.15	100	.60		.07	50	150	S1		D02	
▼	1N360	100	.10	100	2.0	200	.25Ø	100	S1		A53		
	1N360A	100	.15	100	.60		.10	100	150	S1		D02	
▼	1N362	350	.10	100	2.0	200	.25Ø	100	S1		D02		
	1N362A	350	.15	100	.60		.24	350	150	S1		D02	
▼	1N363	500	.10	100	2.0	200	.25Ø	100	S1			D02	
	1N363A	500	.15	100	.60		.25	500	150	S1		D02	
	1N364A	850	.10	100	.60		.21	850	125	S1		D02	
	1N365	1000†	.10	25	2.0	200	.25	100	S1				
	1N365A	1000	.10	100	.60		.21	1000	125	S1		D02	
▼	1N368	200†	.10	85		10 65A			Ge				
▼	1N411B	50†	50Ø	150C	1.5	175A	15Ø		150	A	S1	S54	
▼	1N412	100	.20	150S	1.5	175A	5.0		125	S1			
	1N412B	1000†	50Ø	150C	1.5	175A	15Ø	150	A	S1		S54	
▼	1N413B	200†	50Ø	150C	1.5	175A	15Ø		150	A	S1	S54	
	1N440	100	.30	100	1.5Δ	15	150A	.3uΔ	100	25	S1	D03	
	1N440B	100	.75	50	1.5Δ	15	165A	.3uΔ	100	25	S1	D03	
	1N441	200	.30	100	1.5Δ	15	150A	.75uΔ	200	25	S1	D03	
	1N441B	200	.75	50	1.5Δ	15	165A	.75uΔ	200	25	S1	D03	
	1N442	300	.30	100	1.5Δ	15	150A	.001Δ	300	25	S1	D03	
▼	1N442B	300	.75	50	1.5Δ	15	165A	.001Δ	300	25	S1	D03	
▼	1N443	400	.30	100	1.5Δ	15	150A	1.5uΔ	400	25	S1	D03	
▼	1N443B	400	.75	50	1.5Δ	15	165A	1.5uΔ	400	25	S1	D03	
▼	1N444	500	.30	100	1.5Δ	15	150A	1.8uΔ	500	25	S1	D03	
▼	1N444B	500	.75	50	1.5Δ	15	165A	1.8uΔ	500	25	S1	D03	
▼	1N445	600	.30	100	1.5Δ	15	150A	.002Δ	600	25	S1		
▼	1N445B	600	.75	50	1.5Δ	15	165A	.002Δ	600	25	S1	D03	
	1N482TH	40	.025	150		15	25	.03	40	150	S1	A54	
	1N484TH	150	.025	150		15	25	.03	150	150	S1	A54	
	1N485TH	200	.025	150		15	25	.03	200	150	S1		
	1N487TH	330	.025	150		15	25	.05	330	150	S1	A54	
▼	1N506	360	1.25	25	1.2		.005	150	25	S1			
▼	1N521	240	.30	25	1.2		.005	100	25	S1			
	1N530	100	.30	100		150A	.003	100	25	S1			
▼	1N531	200	.30	100		150A	7.5u	200	25	S1		A23	
	1N532	300	.30	100		150A	.010	300	25	S1		D02	
	1N534	500	.30	100		150A	.018	500	25	S1		D04	
	1N535	600	.30	100		150A	.020	600	25	S1		D02	
▼	1N536	50	.75	50	.50Ø	15	175A	.40Ø	150	S1	Ø	D03	
▼	1N537	100	.75	50	.50Ø	15	175A	.40Ø	150	S1	Ø	D03	
▼	1N538	200	.75	50	.50Ø	15	175A	.30Ø	150	M	S1	Ø	
▼	JAN1N538	200	.75	50	.50Ø	15	175A	.30Ø	150	M	S1	Ø	
▼	1N539	300	.75	50	.50Ø	15	175A	.30Ø	150	S1	Ø	D03	
▼	1N540	400	.75	50	.50Ø	15	175A	.30Ø	150	M	S1	Ø	
▼	1N547	600	.25	150	.50Ø	15	165A	.35	600	M	S1	Ø	
	1N548	900†	.30	25	1.1		150	.50Δ	900	150	A	S1	
	1N549	1200†	.30	25	1.1		150	.50Δ	1200	150	A	S1	
	1N550	100	.50	100A	1.5Δ		150A	.50u	100	25	S1		
	1N551	200	.50	100A	1.5Δ		150A	.001	200	25	S1		
	1N552	300	.50	100A	1.5Δ		150A	1.5u	300	25	S1		

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

Ø — MECHANICAL AND ENVIRONMENTAL TEST.

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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.		
			(amps)	@T (°C)										
▼	1N553	400	.50	100A	1.5Δ	150A	2.5μ	400	25	S1		D04		
▼	1N554	500	.50	100A	1.5Δ	150A	3.5μ	500	25	S1		D04		
▼	1N555	600	.50	100A	1.5Δ	150A	.005	600	25	S1		D04		
▼	1N560	800	.25	100A	.50Ø	15	150A	.015	800	25	N	S1	D03	
▼♦	USN1N560	800	.25	100A	.50Ø	15	150A	.015	800	25	N	S1	D03	
▼	1N561	1000	.25	100A	.50Ø	15	150A	.020	1000	25	N	S1	D03	
♦	USN1N561	1000	.75	25	1.1	25	175S	.005	1000	25A	N	S1	D03	
▼	1N562	800	.40	100C	.65Ø	15	150A	.015	800	25	S1		D04	
▼	1N563	1000	.40	100C	.65Ø	15	150A	.020	1000	25	S1		D04	
▼	1N570	1500	.75	150			.50Ø	10	25	F	S1	2,5 ♦	M9a	
	USAFA1N570	1500	.075	25	10	1.0	125J	.050	1500	25A	F	S1	♦5	M9a
	1N581	380†	.25	55A	.15Ø						Ge	10		
	1N582	380†	.30	55A	.15Ø						Ge	10		
	1N583	380†	.35	55A	.15Ø						Ge	10		
	1N584	380†	.40	55A	.15Ø						Ge	10		
▼	1N588	1500†	.025	25	10	5.0	150	.05	1500	25A		S1		
▼	1N589	1500†	.05	25		5.5	150	.05	1500	25A		S1		A8a
▼	1N590	1500	.025	25		8.0		.10	1500	25		S1		A8a
	USAFA1N592	50	50	25	1.1	900	150C	50	50	25C	F	S1		
	USAFA1N593	100	50	25	1.1	900	150C	50	100	25C	F	S1		
	USAFA1N594	200	50	25	1.1	900	150C	50	200	25C	F	S1		
▼	USAFA1N595	300	50	25	1.1	900	150C	50	300	25C	F	S1		
▼	1N596	600	.125Ø	75A	3.0Δ	1.0	150A	.025Δ	600	25A		S1		
▼	1N597	800	.125Ø	75A	3.0Δ	1.0	150A	.025Δ	800	25A		S1		
▼	1N598	1000	.125Ø	75A	3.0Δ	1.0	150A	.025Δ	1000	25A		S1		
▼	1N599	50	.30Ø	100A	1.4Δ	10	170S	.025Δ	50	25A		S1	D01	
▼	1N599A	50	.30Ø	100A	1.4Δ	10	170S	.001Δ	50	25A		S1	D01	
▼	1N600	100	.30Ø	100A	1.4Δ	10	170S	.025Δ	100	25A		S1	D01	
▼	1N600A	100	.30Ø	100A	1.4Δ	10	170S	.001Δ	100	25A		S1	D01	
▼	1N601	150	.30Ø	100A	1.4Δ	10	170S	.025Δ	150	25A		S1	D01	
▼	1N601A	150	.30Ø	100A	1.4Δ	10	170S	.001Δ	150	25A		S1	D01	
▼	1N602	200	.30Ø	100A	1.4Δ	10	170S	.025Δ	200	25A		S1	D01	
▼	1N602A	200	.30Ø	100A	1.1Δ	10	170S	.001Δ	200	25A		S1	D01	
▼	1N603A	300	.30Ø	100A	1.1Δ	10	170S	.001Δ	300	25A		S1	D01	
▼	1N604	400	.30Ø	100A	1.4Δ	10	170S	.025Δ	400	25A		S1	D01	
▼	1N604A	400	.30Ø	100A	1.1Δ	10	170S	.0015Δ	400	25A		S1	D01	
▼	1N605	500	.30Ø	100A	1.4Δ	10	170S	.025Δ	500	25A		S1	D01	
▼	1N605A	500	.30Ø	100A	1.1Δ	10	170S	.002Δ	500	25A		S1	D01	
▼	1N606	600	.30Ø	100A	1.4Δ	10	170S	.025Δ	600	25A		S1	D01	
▼	1N606A	600	.30Ø	100A	1.1Δ	10	170S	.0025Δ	600	25A		S1	D01	
▼	1N607	50	.80Ø	100A	1.6Δ	10	170S	.025Δ	50	25A		S1	D04	
▼	1N607A	50	.80Ø	100A	1.3Δ	10	170S	.001Δ	50	25A		S1	D04	
▼	1N608	100	.80Ø	100A	1.6Δ	10	170S	.025Δ	100	25A		S1	D04	
▼	1N608A	100	.80Ø	100A	1.3Δ	10	170S	.001Δ	100	25A		S1	D04	
▼	1N609	150	.80Ø	100A	1.6Δ	10	170S	.025Δ	150	25A		S1	D04	
▼	1N609A	150	.80Ø	100A	1.3Δ	10	170S	.001Δ	150	25A		S1	D04	
▼	1N610	200	.80Ø	100A	1.6Δ	10	170S	.025Δ	200	25A		S1	D04	
▼	1N610A	200	.80Ø	100A	1.3Δ	10	170S	.001Δ	200	25A		S1	D04	
▼	1N611	300	.80Ø	100A	1.6Δ	10	170S	.025Δ	300	25A		S1	D04	
▼	1N611A	300	.80Ø	100A	1.3Δ	10	170S	.001Δ	300	25A		S1	D04	
▼	1N612	400	.80Ø	100A	1.6Δ	10	170S	.025Δ	400	25A		S1	D04	
▼	1N612A	400	.80Ø	100A	1.3Δ	10	170S	.002Δ	400	25A		S1	D04	
▼	1N613	500	.80Ø	100A	1.6Δ	10	170S	.025Δ	500	25A		S1	D04	
▼	1N613A	500	.80Ø	100A	1.3Δ	10	170S	.002Δ	500	25A		S1	D04	
▼	1N614	600	.80Ø	100A	1.6Δ	10	170S	.025Δ	600	25A		S1	D04	
▼	1N614A	600	.80Ø	100A	1.3Δ	10	170S	.003Δ	600	25A		S1	D04	
▼	1N645TH	225	.40	25		15	25	.0002	225	25		S1	A54	
▼	USAFA1N646	300	.40	25	1.0	2.0Ø	150J	.015	300	25A	F	S1	A1	
▼	1N646TH	300	.40	25		15	25	.0002	300	25		S1	A54	
▼♦	USAFA1N647	400	.40	25	1.0	2.0Ø	150J	.020	400	25A	F	S1	A1	
	1N647TH	400	.40	25		15	25	.0002	400	25		S1	A54	
	USAFA1N648	500	.40	25	1.0	2.0Ø	150J	.020	500	25A	F	S1	A1	
	1N648TH	500	.40	25		15	25	.0002	500	25		S1	A54	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
▼♦	USAF1N649	600	.40	25	1.0	2.0Ø	150J	.025	600	25A	F	S1		A1
	1N649TH	600	.40	25		15	25	.0002	600	25		S1		A54
▼	1N673	400	.40	25	1.0	3.0	200	.002	320	25	A	S1		
▼	1N676	100†	.20Ø	25	1.0	3.0	175A	.20Ø		150		S1		A1
▼	1N677	100†	.40Ø	25	1.0	5.0	175A	.20Ø		150		S1		A1
▼	1N678	200†	.20Ø	25	1.0	3.0	175A	.20Ø		150		S1		A1
▼	1N684	400†	.40Ø	25	1.0	5.0	175A	.20Ø		150		S1		A1
▼	1N685	500†	.20Ø	25	1.0	3.0	175A	.20Ø		150		S1		A1
▼	1N687	600†	.20Ø	25	1.0	3.0	175A	.20Ø		150		S1		A1
▼	1N689	600†	.40Ø	25	1.0	5.0	175A	.20Ø		150		S1		A1
♦	USN1N816W	6.0	.15	25	1.0	.50Ø	150S	.1ua	4.0	25	N	S1		A1
	1N846	50	.20	25	.60			.02	35	25		S1		A21
▼	1N847	100	.20	25	.60			.02	70	25		S1		A21
	1N854	800	.20	25	.60			.02	560	25		S1		A21
	1N856	1000	.20	25	.60			.02	700	25		S1		A21
	1N857	50	.15	25	.60			.02	35	25		S1		A21
	1N858	100	.15	25	.60			.02	70	25		S1		A21
	1N860	300	.15	25	.60			.02	210	25		S1		A21
	1N861	400	.15	25	.60			.02	280	25		S1		A21
	1N864	700	.15	25	.60			.02	490	25		S1		A21
	1N867	1000	.15	25	.60			.02	700	25		S1		A21
	1N868	50	.10	25	.60			.02	35	25		S1		A21
	1N869	100	.10	25	.60			.02	70	25		S1		A21
	1N872	400	.10	25	.60			.02	280	25		S1		A21
	1N878	1000	.10	25	.60			.02	700	25		S1		A21
	1N879	50	.05	25	.60			.02	35	25		S1		A21
	1N881	200	.05	25	.60			.02	140	25		S1		A21
	1N882	300	.05	25	.60			.02	210	25		S1		A21
	1N888	900	.05	25	.60			.02	630	25		S1		A21
	1N947	600	.40	25	1.0	3.0	200	.002	480	25	AR	S1		
▼	1N1028	50	.50	100	1.5		150	.20	50	25		S1		A73
▼	1N1029	100	.50	100	1.5		150	.20	100	25		S1		A73
▼	1N1032	300	.50	100	1.5		150	.20	300	25		S1		A73
▼	1N1033	400	.50	100	1.5		150	.20	400	25		S1		A73
	1N1034	50	1.0	100	1.5		150	.20	50	25		S1		S65
	1N1038	300	1.0	100	1.5		150	.20	300	25		S1		S65
	1N1040	50	1.0	100	1.5		150	.20	50	25		S1		S66
	1N1044	300	1.0	100	1.5		150	.20	300	25		S1		
	1N1046	50	1.0	100	1.5		150	.20	50	25		S1		S83
	1N1050	300	1.0	100	1.5		150	.20	300	25		S1		S83
	1N1052	50	1.5	100	1.5		150	1.5	50	25		S1		A73a
▼	1N1053	100	1.5	100	1.5		150	1.5	100	25		S1		A73a
	1N1058	50	5.0	100	1.5		150	1.5	50	25		S1		S67
	1N1059	100	5.0	100	1.5		150	1.5	100	25		S1		S67
	1N1064	50	5.0	100	1.5		150	1.5	50	25		S1		S66a
▼	1N1065	100	5.0	100	1.5		150	1.5	100	25		S1		S66a
▼	1N1067	200	5.0	100	1.5		150	1.5	200	25		S1		S66a
▼	1N1070	50	5.0	100	1.5		150	1.5	50	25		S1		S83a
	1N1071	100	5.0	100	1.5		150	1.5	100	25		S1		S83a
	1N1076	50	15	100	1.5		150	20	50	25		S1		S68
	1N1077	100	15	100	1.5		150	20	100	25		S1		S68
	1N1082	200	.50	100	1.5		150	2.0	200	25		S1		F22
	1N1084	400	.50	100	1.5		150	2.0	400	25		S1		F22
	1N1085	100	2.0	100	1.0		150	5.0	100	25		S1		F17
	1N1086	200	2.0	100	1.0		150	5.0	200	25		S1		F17
	1N1087	300	2.0	100	1.0		150	5.0	300	25		S1		F17
	1N1088	400	2.0	100	1.0		150	5.0	400	25		S1		F17
	1N1089	100	5.0	100	1.5		150	3.0	100	25		S1		F25
	1N1092	400	5.0	100	1.5		150	3.0	400	25		S1		F25
	1N1095	500	.75	50A	.50Ø	15	150A	.30Ø	150			S1	Ø	DO3
	1N1096	600	.75	50A	.50Ø	15	150A	.30Ø	150			S1		DO3
	1N1100	100	.25	150A	1.5Δ	15	165A	.20	100	150		S1		DO1
	1N1101	200	.25	150A	1.5Δ	15	165A	.20	200	150		S1		

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current (amps) @ T (°C)	ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
				Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
▼	1N1103	400	.25	150A	1.5Δ	15	165A	.20	400	150	S1		D01
▼	1N1104	500	.25	150A	1.5Δ	15	165A	.20	500	150	S1		D01
▼	1N1108	800	.45	100	3.0		150	2.0	800	25	S1		F22a
▼	1N1109	1200	.425	100	4.5		150	2.0	1200	25	S1		F22b
▼	1N1110	1600	.40	100	6.0		150	2.0	1600	25	S1		F22c
▼	1N1112	2400	.35	100	9.0		150	2.0	2400	25	S1		F22e
▼	1N1113	2800	.325	100	10.5		150	2.0	2800	25	S1		F22f
▼	1N1115	100	1.5	85C	.65Ø	15	170A	.40Ø		150	S1		D04
▼	1N1116	200	1.5	85C	.65Ø	15	170A	.30Ø		150	S1		D04
▼	1N1117	300	1.5	85C	.65Ø	15	170A	.30Ø		150	S1		D04
▼	1N1118	400	1.5	85C	.65Ø	15	170A	.30Ø		150	S1		D04
▼	1N1124	200†	3.0Δ	50			25	150	.01	200	25A	S1Δ	D04
▼	USN1N1124A	200	3.3	25	1.1	25Ø	150J	.10	200	65A	N	S1	
▼	1N1124R	200†	3.0Δ	50		25	150	.01	200	25A		S1Δ	D04Δ
▼	1N1125	300†	3.0Δ	50		25	150	.01	300	25A		S1Δ	D04Δ
▼	1N1126	400†	3.0Δ	50		25	150	.10	400	25A		S1Δ	D04Δ
▼	1N1126A	400	3.3	50				.01	400	25	N	S1	D04
▼	USN1N1126AM	400	3.3	25	1.1	25Ø	150J	.10	400	65A	N	S1	D04
▼	1N1127	500†	3.0Δ	50		25	150	.01	500	25A		S1Δ	D04Δ
▼	1N1127A	500	3.3	50				.01	500	25		S1	D04
▼	1N1128	600†	3.0Δ	50		25	150	.01	600	25A		S1Δ	D04Δ
▼	1N1128A	600	3.3	50									D04
▼	USN1N1128AM	600	3.3	25	1.1	25Ø	150J	.01	600	65A	N	S1	D04
▼	1N1128RA	600	3.3	50				.01	600	25		S1	D04
▼	1N1130	1500†	.30	25	15	7.0	150	.05	1500	25A	A	S1	S24a
▼♦	USA1N1130	1500	.30	25	15	7.0	150	.05	1500	25A	A	S1	S24a
▼	1N1131	1500†	.30	25	15	7.0	150	.05	1500	25A	A	S1	S24a
▼	1N1134	1500	.10Ø	75A	7.5Δ	6.0	170S	.025Δ	1500	25A		S1	F14b
▼	1N1136	1800	.085Ø	75A	9.0Δ	6.0	170S	.025Δ	1800	25A		S1	F14b
▼	1N1138	2400	.060Ø	75A	12Δ	6.0	170S	.025Δ	2400	25A		S1	F14a
▼	1N1139	3600	.065Ø	75A	27Δ	6.0	170S	.025Δ	3600	25A		S1	F14d
▼	1N1140	3600	.065Ø	75A	18Δ	6.0	170S	.025Δ	3600	25A		S1	F14c
▼	1N1141	4800	.060Ø	75A	36Δ	6.0	170S	.025Δ	4800	25A		S1	F14d
▼	1N1142	4800	.050Ø	75A	24Δ	6.0	170S	.025Δ	4800	25A		S1	F14c
▼	1N1143	6000	.05Ø	75A	45Δ	6.0	170S	.025Δ	6000	25A		S1	F14d
▼	1N1143A	6000	.065Ø	75A	30Δ	6.0	170S	.025Δ	6000	25A		S1	F14d
▼	1N1144	7200	.050Ø	75A	54Δ	6.0	170S	.025Δ	7200	25A		S1	F14e
▼	1N1145	7200	.060Ø	75A	36Δ	6.0	170S	.025Δ	7200	25A		S1	F14d
▼	1N1146	8000	.045Ø	75A	60Δ	6.0	170S	.025Δ	8000	25A		S1	F14e
▼♦	1N1147	12000	.045Ø	75A	60Δ	6.0	170S	.025	12K	25A	A	S1	F14e
▼♦	USA1N1147	12000	.045	75A	60Δ	6.0	200	.001	12K	25A	A	S1	F14e
▼	1N1148	14000	.050Ø	75A	52Δ	6.0	170S	.025Δ	14K	25A		S1	F14e
▼	1N1149	16000	.045Ø	75A	60Δ	6.0	170S	.025Δ	14K	25A	A	S1	
▼	1N1150	1600	.75	100	6.0		100	2.0	1600	25		S1	
▼	1N1150A	1600†	.75	100A	6.0		100A	2.0	1600	25		S1	2
▼	1N1157	50	20	100	1.25		100	25	50	25		S1	
▼	1N1161	50	35	100	1.25		100	40	50	25		S1	M24a
▼	1N1162	100	35	100	1.25		100	40	100	25		S1	M24
▼	1N1169	400	.50Ø	100A	.60Ø	20	150J	.50*	400	25		S1	A34b
▼	1N1169A	400	.50Ø	100A	.60Ø	20	150J	.10*	400	25		S1	A34b
▼	1N1172	100	20	100	1.25		100	25	100	25		S1	M24a
▼	1N1175	50	35	100	1.25		100	40	50	25		S1	
▼	1N1176	100	35	100	1.25		100	40	100	25		S1	M24
▼	1N1183	50	35Ø	140C	.60	500	190J	20*	50	190J	F	S1	Ø
▼	USAFA1N1183	50	35	150C	1.25	400	150J	20	50	25C	F	S1	S29
▼	1N1183R	50	35	150C	.60	500	190J	20*	50	190J	F	S1	Ø
▼	1N1184	100	35Ø	140C	.60	500	190J	20*	100	190J	F	S1	Ø
▼♦	USAFA1N1184	100	35	150C	1.25	400	150J	20	100	25C	F	S1	S29
▼	1N1185	150	35Ø	140C	.60	500	190J	20*	150	190J	F	S1	Ø
▼	USAFA1N1185	150	35	150C	1.25	400	150J	20	150	25C	F	S1	S29
▼♦	1N1186	200	35Ø	140C	.60	500	190J	20*	200	190J	F	S1	Ø
▼♦	USAFA1N1186	200	35	150C	1.25	400	150J	20	200	25C	F	S1	S29
▼	1N1187	300	35Ø	140C	.60	500	190J	20*	300	190J	F	S1	Ø

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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C.		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			Output Current		Full Load Voltage Drop (amps)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
			(amps)	@ T (°C)										
▼	USAF1N1187	300	35	150C	1.25	400	150J	20	300	25C	F	S1	S29	
▼	1N1188	400	35Ø	140C	.60	500	190J	20*	400	190J	F	S1	Ø	
▼♦	USAF1N1188	400	35	150C	1.25	400	150J	20	400	25C	F	S1	S29	
▼	1N1189	500	35Ø	140C	.60	500	190J	20*	500	190J	F	S1	Ø	
▼	USAF1N1189	500	35	150C	1.25	400	150J	20	500	25C	F	S1	S29	
▼	1N1190	600	35Ø	140C	.60	500	190J	20*	600	190J	F	S1	Ø	
♦	USAF1N1190	600	35	150C	1.25	400	150J	20	600	25C	F	S1	S29	
▼	1N1191	50	18Ø	140C	.75Ø	200	190J	10*	50	190J	S1	Ø		
	1N1192A	70†	22	150	1.2	150B	5.0	100	175C	S1	D05			
▼	1N1193	150	18Ø	140C	.75	200	190J	10*	150	190J	S1	Ø		
	1N1194	200	18Ø	140C	.75	200	190J	10*	200	190J	S1	Ø		
▼	1N1195	300	18Ø	140C	.75	200	190J	10*	300	190J	S1	Ø		
	1N1196	400	18Ø	140C	.75	200	190J	10*	400	190J	S1	Ø		
	1N1196A	400†	20Δ	150C		350	175C	2.5	400	150C	S1Δ	D05Δ		
	1N1197A	500†	20Δ	150C		350	175C	2.2	500	150C	S1Δ	D05Δ		
	1N1198	600	18Ø	140C	.75	200	190J	10*	600	190J	S1	Ø		
	1N1198A	600†	20Δ	150C		350	175C	1.5	600	150C	S1Δ	D05Δ		
▼	1N1199	50	12Ø	150C	.65Ø	200	190J	10*	50	190J	F	S1	Ø	
	USAF1N1199	50	12	150C	1.25	200	150J	10	50	25C	F	S1	S27	
	1N1199A	50	12	145B		240		3.0Ø	50	150B	S1	Ø		
	1N1199B	50	12Ø	150C	1.1	250	190J	1.0	50	150	S1	Ø		
▼	1N1200	100	12Ø	150C	.65Ø	200	190J	10*	100	190J	F	S1	Ø	
	USAF1N1200	100	12	150C	1.25	200	150J	10	100	25C	F	S1	S27	
	1N1200A	100	12	145B		240		2.5Ø	100	150B	S1	D04Δ		
	1N1200B	100	12Ø	150C	1.1	250	190J	1.0	100	150	S1	Ø		
▼	1N1201	150	12Ø	150C	.65Ø	200	190J	10*	150	190J	F	S1	Ø	
	USAF1N1201	150	12	150C	1.25	200	150J	10	150	25C	F	S1	S27	
	1N1201A	150	12	145B		240		2.25Ø	150	150B	S1	Ø		
	1N1201B	150	12Ø	150C	1.1	250	190J	1.0	150	150	S1	Ø		
▼	1N1202	200	12Ø	150C	.65Ø	200	190J	10*	200	190J	F	S1	Ø	
	USAF1N1202	200	12	150C	1.25	200	150J	10	200	25C	F	S1	S27	
▼	1N1202A	200	12	145B		240		2.0Ø	200	150B	S1	D04Δ		
	1N1202B	200	12Ø	150C	1.1	250	190J	1.0	200	150	S1	Ø		
▼	1N1202R	200	12Ø	150C	.65Ø	200	190J	10*	200	190J	S1	Ø		
	1N1203	300	12Ø	150C	.65Ø	200	190J	10*	300	190J	F	S1	S27Δ	
	USAF1N1203	300	12	150C	1.25	200	150J	10	300	25C	F	S1	S27	
	1N1203A	300	12	145B		240		1.75Ø	300	150B	S1	Ø		
	1N1203B	300	12Ø	150C	1.1	250	190J	1.0	300	150	S1	Ø		
▼	1N1204	400	12Ø	150C	.65Ø	200	190J	10*	400	190J	F	S1	S27Δ	
	USAF1N1204	400	12	150C	1.25	200	150J	10	400	25C	F	S1	S27	
	1N1204A	400	12	145B		240		1.5Ø	400	150B	S1	Ø		
	1N1204B	400	12Ø	150C	1.1	250	190J	1.0	400	150	S1	Ø		
▼	1N1205	500	12Ø	150C	.65Ø	200	190J	10*	500	190J	F	S1	S27Δ	
	USAF1N1205	500	12	150C	1.25	200	150J	10	500	25C	F	S1	S27	
	1N1205A	500	12	145B		240		1.25Ø	500	150B	S1	D04Δ		
	1N1205B	500	12Ø	150C	1.1	250	190J	1.0	500	150	S1	Ø		
▼	1N1206	600	12Ø	150C	.65Ø	200	190J	10*	600	190J	F	S1	S27Δ	
	USAF1N1206	600	12	150C	1.25	200	150J	10	600	25C	F	S1	S27	
	1N1206A	600	12	145B		240		1.0Ø	600	150B	S1	Ø		
	1N1206B	600	12Ø	150C	1.1	250	190J	1.0	600	150	S1	Ø		
▼	1N1217	50	1.6Ø	140C	1.0Ø	20	175J	1.5*	50	150J	S1	D01		
	1N1217A	50	1.6Ø	140C	1.0Ø	20	175J	1.5*	50	150J	S1	D01		
	1N1217B	50†	1.6	140		25	150J	.30	50	150	S1	A34a		
▼	1N1218	100	1.6Ø	140C	1.0Ø	20	175J	1.5*	100	150J	S1	D01		
	1N1218A	100	1.6Ø	140C	1.0Ø	20	175J	.50*	100	150J	S1	D01		
	1N1218B	100†	1.6	140		25	150J	.30	100	150	S1	A34a		
▼	1N1219	150	1.6Ø	140C	1.0Ø	20	175J	1.5*	150	150J	S1	D01		
	1N1219A	150	1.6Ø	140C	1.0Ø	20	175J	.50*	150	150J	S1	D01		
	1N1219B	150†	1.6	140		25	150J	.30	150	150	S1	A34a		
▼	1N1220	200	1.6Ø	140C	1.0Ø	20	175J	1.5*	200	150J	S1	D01		
	1N1220B	200†	1.6	140		25	150J	.30	200	150	S1	A34a		
▼	1N1222	400	1.6Ø	140C	1.0Ø	20	175J	1.5*	400	150J	S1	D01		
	1N1223	500	1.6Ø	140C	1.0Ø	20	175J	1.5*	500	150J	S1	D01		

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

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EXPLANATION of SYMBOLS.

12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
▼	1N1224	600	1.6Ø	140C	1.0Ø	20	175J	1.5*	600	150J	S1	Ø	DQ1	
	1N1225	700	1.6Ø	140C	1.0Ø	20	175J	1.5*	700	150J	S1	Ø	A34b	
	1N1225B	700†	1.6	140		25	150J	.30	700	150	S1		A34a	
▼	1N1226	800	1.6Ø	140C	1.0Ø	20	175J	1.5*	800	150J	S1	Ø	D01	
	1N1227	50	1.6Ø	140C	1.0Ø	20	175J	1.5*	50	150J	S1	Ø	S25	
	1N1227A	50	1.6Ø	140C	1.0Ø	20	175J	.50*	50	150J	S1	Ø	S25	
▼	1N1228A	100	1.6Ø	140C	1.0Ø	20	175J	.50*	100	150J	S1	Ø	S25	
	1N1229	150	1.6Ø	140C	1.0Ø	20	175J	1.5*	150	150J	S1	Ø	S25	
	1N1229A	150	1.6Ø	140C	1.0Ø	20	175J	.50*	150	150J	S1	Ø	S25	
▼	1N1231	300	1.6Ø	140C	1.0Ø	20	175J	1.5*	300	150J	S1	Ø	S25	
	1N1233	500	1.6Ø	140C	1.0Ø	20	175J	1.5*	500	150J	S1	Ø	S25	
	1N1234	600	1.6Ø	140C	1.0Ø	20	175J	1.5*	600	150J	S1	Ø	S25	
▼	1N1236	800	1.6Ø	140C	1.0Ø	20	175J	1.5*	800	150J	S1	Ø	S25	
	1N1237	1600†	.75	100A	6.0		100A	2.0	1600	25	S1	2		
	1N1238	1600†	.75	100A	6.0		100A	2.0	1600	25	S1	2		
▼	1N1239	2800†	.50	100A	12		100A	2.0	2800	25	S1	2		
	1N1251	50	.50	25A	1.0		165A	.50	50	125A	S1*		A53	
	1N1252	100	.50	25A	1.0		165A	.50	100	125A	S1*		A53	
▼	1N1253	200	.50	25A	1.0		165A	.50	200	125A	S1*		A53	
	1N1254	300	.50	25A	1.0		165A	.50	300	125A	S1*		A53	
	1N1255	400	.50	25A	1.0		165A	.50	400	125A	S1*		A53	
▼	1N1256	500	.32	25A	1.0		165A	.40	500	125A	S1*		A53	
	1N1257	600	.30	25A	1.0		165A	.30	600	125A	S1*		A53	
	1N1259	800	.265	25A	1.0		165A	.10	800	125A	S1*		A53	
▼	1N1260	900	.25	25A	1.0		165A	.10	900	125A	S1*			
	1N1261	1000	.24	25A	1.0		165A	.10	1000	125A	S1*			
	1N1262	4500†	.25	100A	12		100A	2.0	4500	25	S1	2		
▼	1N1264A	100	200	100	1.25		100	100	100	25	S1		M24d	
	1N1268A	100	200	100	1.25		100	100	100	25	S1		M24d	
	1N1271	50	160Ø	190J	.60	2000	190J	40*	50	190J	S1	Ø	S14c	
▼	1N1272	100	160Ø	190J	.60	2000	190J	40*	100	190J	S1	Ø	S14c	
	1N1273	150	160Ø	190J	.60	2000	190J	40*	150	190J	S1	Ø	S14c	
	1N1274	200	160Ø	190J	.60	2000	190J	40*	200	190J	S1	Ø	S14c	
▼	1N1275	300	160Ø	190J	.60	2000	190J	40*	300	190J	S1	Ø	S14c	
	1N1276	400	160Ø	190J	.60	2000	190J	40*	400	190J	S1	Ø	S14c	
	1N1277	500	160Ø	190J	.60	2000	190J	40*	500	190J	S1	Ø	S14c	
▼	1N1281	50	160Ø	190J	.60	2000	190J	40*	50	190J	F	S1	Ø	
	1N1282	100	160Ø	190J	.60	2000	190J	40*	100	190J	F	S1	Ø	
	1N1283	150	160Ø	190J	.60	2000	190J	40*	150	190J	F	S1	Ø	
▼	1N1284	200	160Ø	190J	.60	2000	190J	40*	200	190J	S1	Ø	S14g	
	1N1285	300	160Ø	190J	.60	2000	190J	40*	300	190J	F	S1	Ø	
	1N1286	400	160Ø	190J	.60	2000	190J	40*	400	190J	F	S1	Ø	
▼	1N1287	500	160Ø	190J	.60	2000	190J	40*	500	190J	F	S1	Ø	
	1N1291	50	160Ø	190J	.60	2000	190J	40*	50	190J	S1	Ø	S8e	
	1N1292	100	160Ø	190J	.60	2000	190J	40*	100	190J	S1	Ø	S8e	
▼	1N1293	150	160Ø	190J	.60	2000	190J	40*	150	190J	S1	Ø	S8e	
	1N1294	200	160Ø	190J	.60	2000	190J	40*	200	190J	S1	Ø	S8e	
	1N1295	300	160Ø	190J	.60	2000	190J	40*	300	190J	S1	Ø	S8e	
▼	1N1296	400	160Ø	190J	.60	2000	190J	40*	400	190J	S1	Ø	S8e	
	1N1297	500	160Ø	190J	.60	2000	190J	40*	500	190J	S1	Ø	S8e	
	1N1301	50	17.5	150B	.63Ø	300	200A	15Ø	150	S1				
▼	1N1302	100	17.5	150B	.63Ø	300	200A	5.0Ø	150	S1				
	1N1304	200	17.5	150B	.63Ø	300	200A	5.0Ø	150	S1				
	1N1306	300	17.5	150B	.63Ø	300	200A	5.0Ø	150	S1				
▼	1N1331	100	240Ø	125C	.60Ø	3000	190J	50*	100	190J	S1	Ø		
	1N1332	150	240Ø	125C	.60Ø	3000	190J	50*	150	190J	S1	Ø		
	1N1334	300	240Ø	125C	.60Ø	3000	190J	50*	300	190J	S1	Ø		
▼	1N1335	400	240Ø	125C	.60Ø	3000	190J	50*	400	190J	S1	Ø		
	1N1336	500	240Ø	125C	.60Ø	3000	190J	50*	500	190J	S1	Ø		
	1N1341	50	6.0Ø	150C	1.1Ø	150	190J	10*	50	190J	F	S1	Ø	
▼	1N1341A	50	6.0	145B		150		3.0Ø	50	150B	S1	Ø	D04Δ	
	1N1341B	50	6.0Ø	150C	1.1	150	190J	.50	50	150	S1	Δ	D04	
	1N1341RA	50	6.0	145B		150		3.0Ø	50	150B	S1		D04	

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* — PREFERRED TYPE — MIL-STD 701

12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.		
▼	1N1342	100	6.0Ø	150C	1.1Ø	150	190J	10*	100	190J	F	S1	Ø	S26
.	1N1342A	100	6.0	145B		150		2.5Ø	100	150B		S1	Ø	D04Δ
.	1N1342B	100	6.0Ø	150C	1.1	150	190J	.50	100	150		S1		Δ
▼	1N1343	150	6.0Ø	150C	1.1Ø	150	190J	10*	150	190J	F	S1	Ø	S26
.	1N1343A	150	6.0	145B		150		2.25Ø	150	150B		S1	Ø	ΔD04
.	1N1343B	150	6.0Ø	150C	1.1	150	190J	.50	150	150		S1		Δ
▼	1N1344	200	6.0Ø	150C	1.1Ø	150	190J	10*	200	190J	F	S1	Ø	S25Δ
.	1N1344A	200	6.0	145B		150		2.0Ø	200	150B		S1	Ø	D04Δ
.	1N1344B	200	6.0Ø	150C	1.1	150	190J	.50	200	150		S1		Δ
▼	1N1345	300	6.0Ø	150C	1.1Ø	150	190J	10*	300	190J	F	S1	Ø	S26Δ
.	1N1345A	300	6.0	145B		150		1.75Ø	300	150B		S1	Ø	D04Δ
.	1N1345B	300	6.0Ø	150C	1.1	150	190J	.50	300	150		S1		Δ
▼	1N1346	400	6.0Ø	150C	1.1Ø	150	190J	10*	400	190J	F	S1	Ø	S26Δ
.	1N1346A	400	6.0	145B		150		1.5Ø	400	150B		S1	Ø	D04Δ
.	1N1346B	400	6.0Ø	150C	1.1	150	190J	.50	400	150		S1		Δ
▼	1N1347	500	6.0Ø	150C	1.1Ø	150	190J	10*	500	190J	F	S1	Ø	S26Δ
▼	1N1347A	500	6.0	145B		150		1.25Ø	500	150B		S1	Ø	D04Δ
▼	1N1347B	500	6.0Ø	150C	1.1	150	190J	.50	500	150		S1		Δ
▼	1N1347RA	500	6.0Ø	145B		150		1.25Ø	500	150J		S1	Ø	D04Δ
▼	1N1348	600	6.0Ø	150C	1.1Ø	150	190J	10*	600	190J		S1	Ø	S26
.	1N1348A	600	6.0	145B		150		1.0Ø	600	150B	F	S1	Ø	D04Δ
▼	1N1348B	600	6.0Ø	150C	1.1	150	190J	.50	600	150		S1		Δ
▼	1N1377	100	240Ø	125C	.60Ø	3000	190J	50*	100	190J		S1	Ø	S14h
▼	1N1378	150	240Ø	125C	.60Ø	3000	190J	50*	150	190J		S1	Ø	S14h
▼	1N1379	200	250	125C	.60Ø	3000	190J	50*	200	190J		S1	Ø	S14h
.	1N1380	300	240Ø	125C	.60Ø	3000	190J	50*	300	190J		S1	Ø	S14h
.	1N1381	400	240Ø	125C	.60Ø	3000	190J	50*	400	190J		S1	Ø	S14a
.	1N1382	500	240Ø	125C	.60Ø	3000	190J	50*	500	190J		S1	Ø	S14a
.	USAF1N1396	50	70	150C	1.3	1100	150J	40	50	150	F	S1	Ø	S14b
.	1N1397	100	70Ø	150C	1.2Ø	1200	190J	30*	100	190J		S1	Ø	S14b
▼♦	USAF1N1397	100	70	150C	1.3	1100	150J	40	100	150	F	S1	Ø	S14b
▼	1N1398	150	70Ø	150C	1.2Ø	1200	190J	30*	150	190J		S1	Ø	S14b
▼	USAF1N1398	150	70	150C	1.3	1100	150J	40	150	150	F	S1	Ø	S14b
♦	1N1399	200	70Ø	150C	1.2Ø	1200	190J	30*	200	190J	F	S1	Ø	S14b
♦	USAF1N1399	200	70	150C	1.3	1100	150J	40	200	150	F	S1	Ø	S14b
♦	1N1400	300	70Ø	150C	1.2Ø	1200	190J	30*	300	190J	F	S1	Ø	S14b
♦	USAF1N1400	300	70	150C	1.3	1100	150J	40	300	150	F	S1	Ø	S14b
♦	1N1401	400	70Ø	140C	1.2Ø	1200	190J	30*	400	190J	F	S1	Ø	S14b
♦	USAF1N1401	400	70	150C	1.3	1100	150J	40	400	150	F	S1	Ø	S14b
▼	1N1402	500	70Ø	140C	1.2Ø	1200	190J	30*	500	190J	F	S1	Ø	S14b
▼	USAF1N1402	500	70	150C	1.3	1100	150J	40	500	150	F	S1	Ø	S14b
▼	1N1403	600	70	150C	1.5	150C	.015	600	150C	F	S1	Ø	S14b	
▼	USAF1N1403	600	70	150C	1.3	1100	150J	40	600	150	F	S1	Ø	S14b
▼	1N1408	1000	.10Ø	75A	5.0Δ	6.0	170S	.10Ø	1000	75A	A	S1		A53
▼	1N1409	1200	.10Ø	75A	5.0Δ	6.0	170S	.10Ø	1200	75A	S1			
▼	1N1410	1500	.10Ø	75A	6.3Δ	6.0	170S	.10Ø	1500	75A	S1			
▼	1N1411	1800	.10Ø	75A	7.5Δ	6.0	170S	.10Ø	1800	75A	S1			
▼	1N1412	2000	.10Ø	75A	6.3Δ	6.0	170S	.10Ø	2000	75A	S1			
▼	1N1413	2400	.10Ø	75A	7.5Δ	6.0	170S	.10Ø	2400	75A	A	S1		A53
▼	1N1414	400	10	25	1.25	100	175	.01	320	25	AR	S1		
▼	1N1415	400	1.0	25	1.1	10	200	.002	320	25	AR	S1		
▼	1N1434	50	30	25B	1.2	250	175S	5.0	50	150B		S1		
▼	1N1439	100	.75	55	1.5		150	.002	100	25		S1		
▼	1N1440	200	.75	55	1.5		150	2.0	200	25		S1		
▼	1N1441	300	.75	55	1.5		150	2.0	300	25		S1		
▼	1N1442	400	.75	55	1.5		150	2.0	400	25		S1		
▼	1N1443	1000	1.6Ø	140C	1.0Ø	20	175J	1.5*	1000	150J	S1	Ø	D01	
▼	1N1443B	1000†	1.6	140		25	150J	.30	1000	150	S1		A34a	
▼	1N1444	1000	1.6Ø	140C	1.0Ø	20	175J	1.5*	1000	150J	S1	Ø	S25	
▼	1N1449	400†	1.5Ø	120C	1.6		175J	2.0	400	25	S1		S41bΔ	
▼	1N1450	100†	1.5	100C	1.0		150C	5.0	100	25	S1		S41a	
▼	1N1453	400†	1.5	100C	1.0		150C	5.0	400	25	S1		S41a	
▼	1N1454	500†	1.5	100C	1.0		150C	5.0	500	25	S1		M56	

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NAVWEPS 16-1-530
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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION		
			(amps)	@ T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
	1N1455	200†	25Ø	140C	1.4		190J	20	200	25	S1		M56
	1N1456	300†	25Ø	140C	1.4		190J	20	300	25	S1		M56
	1N1460	300*	35Ø	190J	1.1*	900	190J	20*	300	190J	M	S1*	ØΔ#
▼	1N1461	400*	35Ø	190J	1.1*	900	190J	20*	400	190J	S1*	ØΔ#	M56Δ
▼	1N1462	100	50Ø	100C	1.5Δ		100C	50Δ	100	100C	S1	ØΔ#	
▼	1N1469	400*	160Ø	120C	1.3Δ	3000	190J	40*	400	190J	S1*	ØΔ#	M56aΔ
▼	1N1487	100	.75	25A	.55Ø	15	140A	.40Ø		125	S1		D03
▼	1N1488	200	.75	25A	.55Ø	15	140A	.30Ø		125	S1		D03
▼	1N1489	300	.75	25A	.55Ø	15	140A	.30Ø		125	S1		D03
▼	1N1490	400	.75	25A	.55Ø	15	140A	.30Ø		125	S1		
▼	1N1491	500	.75	25A	.55Ø	15	125A	.30Ø		125	S1		D03
▼	1N1492	600	.75	25A	.55Ø	15	120A	.30Ø		125	S1		D03
▼	1N1537	50	1.6Ø	140C	1.0Ø	20	175J	.50*	50	150J	S1	Ø	D04
▼	1N1538	100	1.6Ø	140C	1.0Ø	20	175J	.50*	100	150J	S1	Ø	D04
	1N1539	150	1.6Ø	140C	1.0Ø	20	175J	.50*	150	150J	S1	Ø	D04
▼	1N1542	400	1.6Ø	140C	1.0Ø	20	175J	.50*	400	150J	S1	Ø	D04
▼	1N1556	100	.75Ø	100C	1.4Δ		100C	1.0Δ	100	100C	S1*	Δ	
▼	1N1560	500	.75Ø	100C	1.4Δ		100C	1.0Δ	500	100C	S1*	Δ	
▼	1N1564A	200	1.5Ø	25A	1.2	70	175A	.15Ø		150	S1Δ		C14
▼	1N1565	300	1.0Ø	25A	1.2	70	175A	.50Ø		100	S1Δ		C14
▼	1N1566	400	1.0Ø	25A	1.2	70	175A	.50Ø		150	S1Δ		C14
▼	1N1566A	400	1.5Ø	25A	1.2	70	175A	.15Ø		150	S1Δ		C14
▼	1N1569	100†	500	100	1.0	70	175	.50Ø	100	25	S1		
	1N1577	300	1.0	125C	1.2	70	150	.50	300	125C	S1		
▼	1N1581	50†	3.0Ø	150C	1.5		175A	.50Ø		150	S1		D04
▼	1N1582	100†	3.0Ø	150C	1.5		175A	.50Ø		150	S1		D04
▼	1N1583	200†	3.0Ø	150C	1.5		175A	.50Ø		150	S1		D04
	1N1584	300†	3.0Ø	150C	1.5		175A	.50Ø		150	S1		D04
	1N1585	400†	3.0Ø	150C	1.5		175A	.50Ø		150	S1		D04
	1N1586	500†	3.0Ø	150C	1.5		175A	.50Ø		150	S1		D04
	1N1587	600†	3.0Ø	150C	1.5		175A	.50Ø		150	S1		D04
	1N1612	50	5.0	150C	1.5	25	175S	1.0	50	150C	S1		D04
	1N1612A	50	6.0	150C	1.1	150	190J	.50	50	150	S1Δ		D04Δ
▼	1N1613	100	5.0	150C	1.5	25	175S	1.0	100	150C	S1		D04
	1N1613A	100	6.0	150C	1.1	150	190J	.50	100	150	S1Δ		D04Δ
▼	1N1614	200	5.0	150C	1.5	25	175S	1.0	200	150C	A	S1	D04
▼	1N1614A	200	6.0	150C	1.1	150	190J	.50	200	150	S1Δ		D04Δ
	1N1615	400	5.0	150C	1.5	25	175S	1.0	400	150C	A	S1	D04
	1N1615A	400	6.0	150C	1.1	150	190J	.50	400	150	S1Δ		D04Δ
▼	1N1615R	400	5.0	150C	1.5	25	175S	1.0	400	150C	S1		D04
▼	USA1N1616	600	5.0	150C	1.5	25	175S	1.0	600	150C	A	S1	D04
	1N1616A	600	6.0	150C	1.1	150	190J	.50	600	150	S1Δ		D04Δ
▼	1N1617	100	1.5	100	1.0		100	5.0	100	25	S1		A52
▼	1N1620	400	1.5	100	1.0		100	5.0	400	25	S1		A52
▼	1N1621	100	10	100	1.25		100	5.0	100	25	S1		S43
▼	1N1624	400	10	100	1.25		100	5.0	400	25	S1		S43
	1N1644	50	.75	50A	1.0	15	150A	.40Ø	35	150A	S1		A53
	1N1645	100	.75	50A	1.0	15	150A	.40Ø	70	150A	S1		A53
	1N1646	150	.75	50A	1.0	15	150A	.30Ø	105	150A	S1		A53
	1N1647	200	.75	50A	1.0	15	150A	.30Ø	140	150A	S1		A53
	1N1660	50	160Ø	125C	.60	2000	190J	40*	50	190J	S1	Ø	S14d
▼	1N1661	100	160Ø	125C	.60	2000	190J	40*	100	190J	S1	Ø	S14d
▼	1N1662	150	160Ø	125C	.60	2000	190J	40*	150	190J	S1	Ø	S14d
	1N1663	200	160Ø	125C	.60Ø	2000	190J	40*	200	190J	S1	Ø	S14d
	1N1665	400	160Ø	125C	.60Ø	2000	190J	40*	400	190J	S1	Ø	S14d
	1N1666	500	160Ø	125C	.60Ø	2000	190J	40*	500	190J	S1	Ø	S14d
	1N1671	100	240Ø	125C	.60Ø	3000	190J	50*	100	190J	S1	Ø	S14f
	1N1672	150	240Ø	125C	.60Ø	3000	190J	50*	150	190J	S1	Ø	S14f
	1N1673	200	240Ø	125C	.60Ø	3000	190J	50*	200	190J	S1	Ø	S14f
	1N1674	300	240Ø	190J	.60Ø	3000	190J	50*	300	190J	S1	Ø	S14f
	1N1675	400	240Ø	125C	.60Ø	3000	190J	50*	400	190J	S1	Ø	S14f
	1N1676	500	240Ø	125C	.60Ø	3000	190J	50*	500	190J	S1	Ø	S14f
	1N1680	150	35Ø	125B	.50Ø	500	190B	40Ø	150	175B	S1		

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

* — PREFERRED TYPE — MIL-STD 701

12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
▼	1N1681	250	35Ø	125B	.50Ø	500	190B	40Ø	250	175B	S1			
▼	1N1682	300	35Ø	125B	.50Ø	500	190B	40Ø	300	175B	S1			
▼	1N1692	100	.60	50A	.60Ø	20	115A	.50Ø	100	100	S1			D03
▼	1N1693	200	.60	50A	.60Ø	20	115A	.50Ø	200	100	S1			D03
▼	1N1694	300	.60	50A	.60Ø	20	115A	.50Ø	300	100	S1			D03
▼	1N1695	400	.60	50A	.60Ø	20	115A	.50Ø	400	100	S1			D03
	1N1697	600	.60	50A	.60Ø	20	115A	.50Ø	600	100A	S1			
	1N1698	6600	.62Ø	75A	33Ø	3.5	160A	.025Δ	6600	25A	S1			
	1N1699	10000	.58Ø	75A	37Ø	3.5	160A	.025Δ	10K	25A	S1			
	1N1700	12000	.50Ø	75A	45Ø	3.5	160A	.025Δ	10K	25A	S1			
	1N1701	50	.15Ø	100A	.90Δ	8.0	175S	.40Ø	50	100A	S1			A53
	1N1704	300	.15Ø	100A	.90Δ	8.0	175S	.30Ø	300	100A	S1			A53
▼	1N1705	400	.15Ø	100A	.90Δ	8.0	175S	.30Ø	400	100A	S1			A53
	1N1706	500	.15Ø	100A	.90Δ	8.0	175S	.30Ø	500	100A	S1			A53
	1N1712	500	.125Ø	150A	.85Δ	10	175S	.30Ø	500	150A	S1			
	1N1730	1000	.20	25A		2.5	150A	.01Δ	1000	25A	S1			A48c
▼	1N1731	1500Ø	.20	25A		2.5	150A	.01Δ	1500	25A	A	S1		A48a
▼♦	USA1N1731	1500	.20	25A		2.5	150A	.01	1500	25A	A	S1		A48a
▼	1N1732	2000	.20	25A		2.5	150A	.01Δ	2000	25A	S1			A48d
▼♦	1N1733	3000	.15	25A		2.5	150A	.01Δ	3000	25A	A	S1		A48d
▼♦	USA1N1733	3000	.15	25A		2.5	150A	.01Δ	3000	25A	A	S1		A48d
▼	1N1734	5000	.10	25A	18	2.5	150A	.01Δ	5000	25A	A	S1		A48e
▼♦	USA1N1734	5000	.10	25A	18	2.5	150A	.01Δ	5000	25A	S1			A48e
	1N1746	1500	.44Ø	75A	7.5Δ	6.0	170S	.025Δ	1500	25A	S1			F14b
	1N1749	2400	.32Ø	75A	24Δ	6.0	170S	.025Δ	2400	25A	S1			F14c
	1N1750	2400	.38Ø	75A	12Δ	6.0	170S	.025Δ	2400	25A	S1			F14b
▼	1N1753	4800	.33Ø	75A	36Δ	6.0	170S	.025Δ	4800	25A	S1			F14d
	1N1754	4800	.32Ø	75A	24Δ	6.0	170S	.025Δ	4800	25A	S1			F14c
	1N1755	6000	.29Ø	75A	45Δ	6.0	170S	.025Δ	6000	25A	S1			F14d
	1N1756	6000	.36Ø	75A	30Δ	6.0	170S	.025Δ	6000	25A	S1			F14d
	1N1757	7200	.29Ø	75A	54Δ	6.0	170S	.025Δ	7200	25A	S1			F14e
	1N1758	7200	.33Ø	75A	36Δ	6.0	170S	.025Δ	7200	25A	S1			F14d
	1N1759	8000	.25Ø	75A	60Δ	6.0	170S	.025Δ	8000	25A	S1			F14e
	1N1760	12000	.25Ø	75A	60Δ	6.0	170S	.025Δ	12K	25A	S1			F14e
	1N1761	14000	.30Ø	75A	52Δ	6.0	170S	.025Δ	14K	25A	S1			F14e
	1N1762	16000	.25Ø	75A	60Δ	6.0	170S	.025Δ	16K	25A	S1			F14e
▼	1N1763	400†	.50	75		35	75	1.0	400	100	S1Δ			A53
	1N1764	500†	.50	75		35	75	1.0	500	100	S1Δ			A53
▼	1N1907	50†	1.5	25		30	200A	.01	50	25	S1Δ			A86
▼	1N1908	100†	1.5	25		30	200A	.01	100	25	S1Δ			A86
	1N1909	200†	1.5	25		30	200A	.01	200	25	S1Δ			A86
▼	1N1910	300†	1.5	25		30	200A	.01	300	25	S1Δ			A86
▼	1N1911	400†	1.5	25		30	200A	.01	400	25	S1Δ			A86
	1N1914	700†	1.5	25		30	200A	.01	700	25	S1Δ			A86
	1N1916	900	1.5	25A				.01	900	25A	S1			DO13
▼	1N1917	50†	4.0	25		30	200A	.01	50	25	S1Δ			S82
	1N1919	200†	4.0	25		30	200A	.01	200	25	S1Δ			S82
	1N1920	300†	4.0	25		30	200A	.01	300	25	S1Δ			S82
▼	1N1922	500†	4.0	25		30	200A	.01	500	25	S1Δ			S82
	1N1923	600†	4.0	25		30	200A	.01	600	25	S1Δ			S82
	1N2013	50	.20	150A	1.5		175A	.50Ø		150	S1			
▼	1N2014	100	.20	150A	1.5		175A	.50Ø		150	S1			
▼	1N2015	150	.20	150A	1.5		175A	.50Ø		150	S1			
▼	1N2017	250	.20	150A	1.5		175A	.50Ø		150	S1			
	1N2020	400	.20	150A	1.5		175A	.50Ø		150	S1			
▼	1N2023	300†	10Ø	150C	1.5		175A	5.0Ø		150	S1			
▼	1N2025	400†	10Ø	150C	1.5		175A	5.0Ø		150	S1			
▼	1N2026	50†	1.0Ø	150C	2.0		175A	.50Ø		150	S1			DO4
	1N2027	200†	1.0Ø	100C	2.0		175A	.30Ø		100C	S1			S4b
	1N2028	300†	1.0Ø	150C	2.0		175A	.50Ø		150	S1			S4b
	1N2029	400†	1.0Ø	150C	2.0		175A	.50Ø		150	S1			S4b
	1N2030	500†	1.0Ø	150C	2.0		175A	.50Ø		150	S1			S4b
	1N2055	100	250Ø	135B	.60Ø	4500	190J	55Ø	100	175B	S1	ØΔ#		S8B

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for

EXPLANATION of SYMBOLS.

NAVWEPS 16-1-530
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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current (amps) @ T (°C)	ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION		
				Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
▼	1N2057	200	250Ø 135B	.60Ø	4500	190J	55Ø	200	175B	S1	ØΔ#	S8b
▼	1N2058	250	250Ø 135B	.60Ø	4500	190J	55Ø	250	175B	S1	ØΔ#	S8b
▼	1N2059	300	250Ø 135B	.60Ø	4500	190J	55Ø	300	175B	S1	ØΔ#	S8b
▼	1N2060	350	250Ø 135B	.60Ø	4500	190J	55Ø	350	175B	S1	ØΔ#	S8b
▼	1N2061	400	250Ø 135B	.60Ø	4500	190J	55Ø	400	175B	S1	ØΔ#	S8b
▼	1N2063	500	250Ø 135B	.60Ø	4500	190J	55Ø	500	175B	S1	ØΔ#	S8b
▼	1N2069	200†	.75Δ 25	.60	25	100	.20	200	100A	S1Δ		A3c
▼	1N2069A	200†	.75 25	1.0		100A	.005	200	25	S1		A3c
▼	1N2070	400†	.75Δ 25	.60	25	100	.20	400	100A	S1Δ		A3c
▼	1N2070A	400†	.75 25	1.0		100A	.005	400	25	S1		A3c
▼	1N2071	600†	.75 25	.60	25	100	.20	600	100A	S1Δ		A3c
▼	1N2071A	600†	.75 25	1.0		100A	.005	600	25	S1		A3c
	1N2072	50	.75Ø 25A		*					S1*		A53
	1N2080	50	.50 25	.75	15	50	.35	50	25	S1Δ		A53
	1N2081	100	.50 25	.75	15	50	.35	100	25	S1Δ		A53
▼	1N2088	500	.75 55	1.5		150	2.0	500	25	S1		
	1N2090	50	.50 85	.50	15	100	.25	50	85	S1Δ	Δ	M21
▼	1N2091	100	.50 85	.50	15	100	.25	100	85	S1Δ	Δ	M21
▼	1N2095	500	.50 85	.50	15	100	.25	500	85	S1Δ	Δ	M21
	1N2103	50†	.75 25		10	165A	.30	50	25	S1Δ		A53
	1N2109	50†	2.0 25		10	165A	.30	50	25	S1Δ		
	1N2111	200†	2.0 25		10	165A	.30	200	25	S1Δ		
	1N2112	300†	2.0 25		10	165A	.30	300	25	S1Δ		
	1N2113	400†	2.0 25		10	165A	.30	400	25	S1Δ		
	1N2114	500†	2.0 25		10	165A	.30	500	25	S1Δ		
▼	1N2116	400	500Ø 100A	1.3Δ	15	100A	.70Δ	400	100A	S1		
▼	1N2117	720	.75 50				.001	720	25	S1	D03	
▼	1N2128	50	60Ø 115B	2.0Ø	700	115B	10Ø	50	115B	S1	Ø	S21aΔ
▼	1N2128A	50	60Ø 165B	2.0*	900	165B	10Ø	50	165B	S1	Ø	S21
▼	1N2129	100	60Ø 115B	2.0*	700	115B	10Ø	100	115B	S1	Ø	S21aΔ
▼	1N2129A	100	60Ø 165B	2.0*	900	165B	10Ø	100	165B	S1	Ø	S21Δ
	1N2130	150	60Ø 115B	2.0*	700	115B	10Ø	150	115B	S1	Ø	S21aΔ
	1N2130A	150	60Ø 165B	2.0*	900	165B	10Ø	150	165B	S1	Ø	S21Δ
	1N2132	250	60Ø 115B	2.0*	700	115B	10Ø	250	115B	S1	Ø	S21aΔ
	1N2132A	250	60Ø 165B	2.0*	900	165B	10Ø	250	165B	S1	Ø	S21Δ
	1N2133	300	60Ø 115B	2.0*	700	115B	10Ø	300	115B	S1	Ø	S21aΔ
▼	1N2133A	300	60Ø 165B	2.0*	900	165B	10Ø	300	165B	S1	Ø	S21Δ
	1N2134	350	60Ø 115B	2.0*	700	115B	10Ø	350	115B	S1	Ø	D08
▼	1N2135	400	60Ø 115B	2.0*	700	115B	10Ø	400	115B	S1	Ø	S21aΔ
▼	1N2135A	400	60Ø 165B	2.0*	900	165B	10Ø	400	165B	A	S1	Ø
	1N2137	500	60Ø 115B	2.0*	700	115B	10Ø	500	115B	S1	Ø	S21aΔ
	1N2137A	500	60Ø 165B	2.0*	900	165B	10Ø	500	165B	S1	Ø	S21Δ
	1N2138	600	60Ø 115B	2.0*	700	115B	10Ø	600	115B	S1	Ø	S21aΔ
▼	1N2138A	600	60Ø 165B	2.0*	900	165B	10Ø	600	165B	S1	Ø	S21Δ
▼	1N2147	50	6.0 150C	1.2	150	150	.50	50	150C	S1Δ	S35	
	1N2147A	50	6.0 150C	1.0	150	150	.10	50	150C	S1Δ	S35	
	1N2148	100	6.0 150C	1.2	150	150	.50	100	150C	S1Δ	S35	
	1N2148A	100	6.0 150C	1.0	150	150	.10	100	150C	S1Δ	S35	
	1N2150	300	6.0 150C	1.2	150	150	.50	300	150C	S1Δ	S35	
	1N2150A	300	6.0 150C	1.0	150	150	.10	300	150C	S1Δ	S35	
	1N2151	400	6.0 150C	1.2	150	150	.50	400	150C	S1Δ	S35	
	1N2151A	400	6.0 150C	1.0	150	150	.10	400	150C	S1Δ	S35	
	1N2153	600	6.0 150C	1.2	150	150	.50	600	150C	A	S1Δ	S35
	1N2153A	600	6.0 150C	1.0	150	150	.10	600	150C	S1Δ	S35	
▼	1N2154	50	25 145B	.60Ø	300	200A	5.0Ø	145B		S1*	Ø	D05Δ
▼	1N2155	100	25 145B	.60Ø	300	200A	4.5Ø	145B		S1*	Ø	D05Δ
▼	1N2156	200	25 145B	.60Ø	300	200A	4.0Ø	145B		S1*	Ø	D05Δ
▼	1N2156R	200	25 145B	.60Ø	300	200A	4.0Ø	145B		S1	Ø	D05
	1N2157	300	25 145B	.60Ø	300	200A	3.5Ø	145B		S1*	Ø	D05Δ
▼	1N2158	400	25 145B	.60Ø	300	200A	3.0Ø	145B		S1*	Ø	D05Δ
	1N2159	500	25 145B	.60Ø	300	200A	2.5Ø	145B		S1*	Ø	D05Δ
	1N2160	600	25 145B	.60Ø	300	200A	2.0Ø	145B		S1*	Ø	D05Δ
	1N2216	50	1.5 25	.60	20	50	.50	50	150	S1Δ	D04	

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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
	1N2217	50	1.5	25	.60	20	50	.50	50	150	S1Δ	∅	S35	
	1N2222	800	1.0	25	.60	20	50	.75	800	150	S1Δ	∅	D04	
	1N2222A	800	1.0	25	.60	20	50	.35	800	150	S1Δ	∅	D04	
	1N2223	800	1.0	25	.60	20	50	.75	800	150	S1Δ	∅	S35	
	1N2223A	800	1.0	25	.60	20	50	.35	800	150	S1Δ	∅	S35	
	1N2224A	1000	1.0	25	.60	20	50	.35	1000	150	S1Δ	∅	D04	
	1N2225A	1000	1.0	25	.60	20	50	.35	1000	150	S1Δ	∅	S35	
	1N2228	50	5.0	25	.60	100	50	.50	50	150	S1Δ	∅	D04	
	1N2228A	50	5.0	25	.60	100	50	.35	50	150	S1Δ	∅	D04	
	1N2229	50	5.0	25	.60	100	50	.50	50	150	S1Δ	∅	D04	
	1N2229A	50	5.0	25	.60	100	50	.35	50	150	S1Δ	∅	D04	
	1N2230	200	5.0	25	.60	100	50	.50	200	150	S1Δ	∅	D04	
	1N2230A	200	5.0	25	.60	100	50	.35	200	150	S1Δ	∅	D04	
	1N2231	200	5.0	25	.60	100	50	.50	200	150	S1Δ	∅	S35	
	1N2231A	200	5.0	25	.60	100	50	.35	200	150	S1Δ	∅	S35	
	1N2234	400	5.0	25	.60	100	50	.50	400	150	S1Δ	∅	D04	
	1N2234A	400	5.0	25	.60	100	50	.35	400	150	S1Δ	∅	D04	
	1N2235	400	5.0	25	.60	100	50	.50	400	150	S1Δ	∅	S35	
	1N2235A	400	5.0	25	.60	100	50	.35	400	150	S1Δ	∅	S35	
	1N2237	500	5.0	25	.60	100	50	.50	500	150	S1Δ	∅	S35	
	1N2237A	500	5.0	25	.60	100	50	.35	500	150	S1Δ	∅	S35	
	1N2240	800	5.0	25	.60	100	50	.75	800	150	S1Δ	∅	D04	
	1N2240A	800	5.0	25	.60	100	50	.35	800	150	S1Δ	∅	D04	
	1N2241	800	5.0	25	.60	100	50	.75	800	150	S1Δ	∅	S35	
	1N2241A	800	5.0	25	.60	100	50	.35	800	150	S1Δ	∅	S35	
	1N2244	1200	5.0	25	.60	100	50	.75	1200	150	S1Δ	∅	D04	
	1N2244A	1200	5.0	25	.60	100	50	.35	1200	150	S1Δ	∅	D04	
▼	1N2245	1200	5.0	25	.60	100	50	.75	1200	150	S1Δ	∅		
	1N2245A	1200	5.0	25	.60	100	50	.35	1200	150	S1Δ	∅		
	1N2246	50	10	25	.60	200	50	1.0	50	150	S1Δ	∅	D04	
	1N2246A	50	10	25	.60	200	50	.50	50	150	S1Δ	∅	D04	
	1N2247	50	10	25	.60	200	50	1.0	50	150	S1Δ	∅	S35	
	1N2247A	50	10	25	.60	200	50	.50	50	150	S1Δ	∅	S35	
	1N2248	100	10	25	.60	200	50	1.0	100	150	S1Δ	∅	D04	
	1N2248A	100	10	25	.60	200	50	.50	100	150	S1Δ	∅	D04	
	1N2248B	50	20	150	1.5			5.0	∅	150	S1	∅	D05	
	1N2249	100	10	25	.60	200	50	1.0	100	150	S1Δ	∅	S35	
	1N2249A	100	10	25	.60	200	50	.50	100	150	S1Δ	∅	S35	
	1N2250A	200	10	25	.60	200	50	.50	200	150	S1Δ	∅	D04	
	1N2252A	300	10	25	.60	200	50	.50	300	150	S1Δ	∅		
	1N2253A	300	10	25	.60	200	50	.50	300	150	S1Δ	∅	S35	
	1N2254A	400	10	25	.60	200	50	.50	400	150	S1Δ	∅	D04	
	1N2255A	400	10	25	.60	200	50	.50	400	150	S1Δ	∅	S35	
	1N2258	600	10	25	.60	200	50	1.0	600	150	S1Δ	∅	D04	
	1N2258A	600	10	25	.60	200	50	.50	600	150	S1Δ	∅	D04	
	1N2259	600	10	25	.60	200	50	1.0	600	150	S1Δ	∅	S35	
	1N2259A	600	10	25	.60	200	50	.50	600	150	S1Δ	∅	S35	
	1N2266	50	1.0	25	.60	20	50	.35	50	150	S1	∅	D04	
	1N2267	50	1.0	25	.60	20	50	.35	50	150	S1Δ	∅	S35	
	1N2268	500	1.0	25	.60	20	50	.35	500	150	S1Δ	∅	D04	
	1N2269	500	1.0	25	.60	20	50	.35	500	150	S1Δ	∅	S35	
	1N2272	50	20	25	.60	400	50	1.0	50	150	S1Δ	∅	D04	
	1N2273	100	20	25	.60		50	1.0	100	150	S1	∅	D04	
	1N2274	200	20	25	.60	400	50	1.0	200	150	S1Δ	∅	D04	
	1N2275	300	20	25	.60	400	50	1.0	300	150	S1Δ	∅	D04	
	1N2276	400	20	25	.60	400	50	1.0	400	150	S1Δ	∅	D04	
	1N2277	500	20	25	.60	400	50	1.0	500	150	S1Δ	∅	D04	
	1N2278	600	20	25	.60	400	50	1.0	600	150	S1Δ	∅	D04	
	1N2282	300	35	25	.60	400	50	5.0	300	150	S1Δ	∅	D04	
	1N2283	400	35	25	.60	400	50	5.0	400	150	S1Δ	∅	D04	
	1N2284	500	35	25	.60	400	50	5.0	500	150	S1Δ	∅	D04	
	1N2285	600	35	25	.60	400	50	5.0	600	150	S1Δ	∅	D04	
	1N2286	800	35	25	.60	400	50	5.0	800	150	S1Δ	∅	D04	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
∅ — MECHANICAL AND ENVIRONMENTAL TEST.
♦ — PREFERRED TYPE — MIL-STD 701

12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current (amps) @ T (°C)	ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION				
				Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.	
	1N2289	100	1.5 25	.60	20	50	.50	100	150	S1Δ	∅			
	1N2289A	100	1.5 25	.60	20	50	.10	100	150	S1Δ	∅	S35		
	1N2290	100	5.0 25	.60	100	50	.50	100	150	S1Δ	∅	S35		
	1N2290A	100	5.0 25	.60	100	50	.20	100	150	S1Δ	∅	S35		
	1N2291	200	1.5 25	.60	20	50	.50	200	150	S1Δ	∅	S35		
	1N2291A	200	1.5 25	.60	20	50	.10	200	150	S1Δ	∅	S35		
▼	1N2292A	300	1.5 25	.60	20	50	.20	300	150	S1Δ	∅	S35		
	1N2328	2200	.40 25	3.3	4.0	200	.25	2200	25	R	S1			
	1N2350	150	1.0 150C	1.1			.30		150	S1				
▼	1N2357	1400	.40 25	2.0	15	50	.001	1400	25	S1	∅	D01		
▼	1N2358	1500	.40 25	2.0	15	50	.001	1500	25	S1	∅	DO 1		
	1N2359	1600	.40 25	2.0	15	50	.001	1600	25	S1	∅	D01		
▼	1N2360	1800	.40 25	2.0	15	50	.001	1800	25	A	S1		D01	
	1N2361	2000	.40 25	2.0	15	50	.001	2000	25	S1	∅	D01		
	1N2362	1400	1.0 25	2.0	15	50	.001	1400	25	S1	∅	D04		
	1N2362A	1400	5.0 25	2.0	20	50	.001	1400	25	S1	∅	D04		
	1N2363	1400	1.0 25	2.0	15	50	.001	1400	25	S1	∅			
	1N2363A	1400	5.0 25	2.0	20	50	.001	1400	25	S1	∅			
▼	1N2364A	1500	5.0 25	2.0	20	50	.001	1500	25	S1	∅	D04		
	1N2364B	1500	10 25	2.0	25	50	.001	1500	25	S1	∅	D04		
	1N2365A	1500	5.0 25	2.0	20	50	.001	1500	25	S1	∅			
	1N2365B	1500	10 25	2.0	25	50	.001	1500	25	S1	∅			
	1N2366	1600	1.0 25	2.0	15	50	.001	1600	25	S1	∅	D04		
	1N2366A	1600	5.0 25	2.0	20	50	.001	1600	25	S1	∅	D04		
	1N2366B	1600	10 25	2.0	25	50	.001	1600	25	S1	∅	D04		
	1N2367	1600	1.0 25	2.0	15	50	.001	1600	25	S1	∅	D04		
	1N2367A	1600	5.0 25	2.0	20	50	.001	1600	25	S1	∅			
	1N2367B	1600	10 25	2.0	25	50	.001	1600	25	S1	∅			
	1N2368	1800	1.0 25	2.0	15	50	.001	1800	25	S1	∅	D04		
	1N2368A	1800	5.0 25	2.0	20	50	.001	1800	25	S1	∅	D04		
	1N2368B	1800	10 25	2.0	25	50	.001	1800	25	S1	∅			
	1N2369	1800	1.0 25	2.0	15	50	.001	1800	25	S1	∅	D04		
	1N2369A	1800	5.0 25	2.0	20	50	.001	1800	25	S1	∅			
	1N2369B	1800	10 25	2.0	25	50	.001	1800	25	S1	∅			
	1N2370	2000	1.0 25	2.0	15	50	.001	2000	25	S1	∅	D04		
	1N2370A	2000	5.0 25	2.0	20	50	.001	2000	25	S1	∅	D04		
	1N2371	2000	1.0 25	2.0	15	50	.001	2000	25	S1	∅			
	1N2371A	2000	5.0 25	2.0	20	50	.001	2000	25	S1	∅			
	1N2372	1000	.20 125	2.0			.50	1000	125	S1		S4b		
	1N2374	1000	.10∅ 100A	3.0Δ	3.5	150A	.100Δ	1000	100A	S1		A53		
	1N2375	1500	.10∅ 100A	4.5Δ	3.5	150A	.100Δ	1500	100A	S1				
	1N2376	2000	.10∅ 100A	7.5Δ	3.5	150A	.100Δ	2000	100A	S1				
▼	1N2377	2400	.075∅ 100A	9.0Δ	3.5	150A	.100Δ	2400	100A	S1				
	1N2378	3000	.075∅ 100A	9.0Δ	3.5	150A	.100Δ	3000	100A	S1				
▼	1N2379	4000	.05∅ 100A	15Δ	3.5	150A	.100Δ	4000	100A	S1				
	1N2380	6000	.05∅ 100A	23Δ	3.5	150A	.100Δ	6000	100A	S1				
▼	1N2381	10000	.025∅ 100A	38Δ	3.5	150A	.10Δ	10K	100A	S1				
▼	1N2382	4000	.15∅ 25				150A	.10	4000	100	S1		A48c	
▼	1N2383	6000	.10∅ 25				150A	.10	6000	100	S1		A48g	
▼	1N2384	8000	.07∅ 25				150A	.10	8000	100	S1		A48g	
▼	1N2385	10000	.07∅ 25				150A	.10	10K	100	S1		A48J	
	1N2389	1600†	.60 100A	5.0			100A	1.0	1600	25	S1	2		
	1N2398	800	1.5 55A	1.2	35	150A	.30∅	800	150A	S1Δ	∅Δ	A32		
	1N2406	700	1.5 55A	1.2	35	150A	.30∅	700	150A	S1Δ	∅Δ	C8		
	1N2407	800	1.5 55A	1.2	35	150A	.30∅	800	150A	S1Δ	∅Δ	C8		
	1N2415	700	1.5 55A	1.2	35	150A	.30∅	700	150A	S1Δ	∅Δ	C9		
	1N2416	800	1.5 55A	1.2	35	150A	.30∅	800	150A	S1Δ	∅Δ	C9		
	1N2424	700	1.5 55A	1.2	35	150A	.30∅	700	150A	S1Δ	∅Δ	F8		
	1N2425	800	1.5 55A	1.2	35	150A	.30∅	800	150A	S1Δ	∅Δ	F8		
	1N2426	50	50 150B	1.1Δ	950	175B	10∅	50	150B	S1Δ	∅Δ	D08Δ		
	1N2427	100	50 150B	1.1Δ	950	175B	10∅	100	150B	S1Δ	∅Δ	D08Δ		
	1N2429	200	50 150B	1.1Δ	950	175B	10∅	200	150B	S1Δ	∅Δ	D08Δ		
	1N2430	250	50 150B	1.1Δ	950	175B	10∅	250	150B	S1Δ	∅Δ	D08Δ		

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@ T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
	1N2431	300	50	150B	1.1Δ	950	175B	10Ø	300	150B	S1Δ	Ø	D08Δ	
	1N2432	350	50	150B	1.1Δ	950	175B	10Ø	350	150B	S1Δ	Ø	D08Δ	
	1N2433	400	50	150B	1.1Δ	950	175B	10Ø	400	150B	S1Δ	Ø	D08Δ	
	1N2434	500	50	150B	1.1Δ	950	175B	10Ø	500	150B	S1Δ	Ø	D08Δ	
	1N2435	600	50	150B	1.1Δ	950	175B	10Ø	600	150B	S1Δ	Ø	D08Δ	
	1N2437	100	70	150B	1.1	1200	175B	10Ø	100	150B	S1Δ	Ø	D08Δ	
	1N2438	150	70	150B	1.1	1200	175B	10Ø	150	150B	S1Δ	Ø	D08Δ	
	1N2439	200	70	150B	1.1	1200	175B	10Ø	200	150B	S1Δ	Ø	D08Δ	
	1N2440	250	70	150B	1.1	1200	175B	10Ø	250	150B	S1Δ	Ø	D08Δ	
	1N2441	300	70	150B	1.1	1200	175B	10Ø	300	150B	S1Δ	Ø	D08Δ	
	1N2443	400	70	150B	1.1	1200	175B	10Ø	400	150B	S1Δ	Ø	D08Δ	
	1N2444	500	70	150B	1.1	1200	175B	10Ø	500	150B	S1Δ	Ø	D08Δ	
	1N2445	600	70	150B	1.1	1200	175B	10Ø	600	150B	S1Δ	Ø	D08Δ	
	1N2446	50	20	150B	1.1	300	175B	5.0Ø	50	150B	S1Δ	Ø	D05Δ	
	1N2452	350	20	150B	1.1	300	175B	5.0Ø	350	150B	S1Δ	Ø	D05Δ	
	1N2453	400	20	150B	1.1	300	175B	5.0Ø	400	150B	S1Δ	Ø	D05Δ	
	1N2454	500	20	150B	1.1	300	175B	5.0Ø	500	150B	S1Δ	Ø	D05Δ	
	1N2455	600	20	150B	1.1	300	175B	5.0Ø	600	150B	S1Δ	Ø	D05Δ	
	1N2458	50	30	150B	1.1	450	175B	5.0Ø	50	150B	S1Δ	Ø	D05Δ	
	1N2460	150	30	150B	1.1	450	175B	5.0Ø	150	150B	S1Δ	Ø	D05Δ	
	1N2461	200	30	150B	1.1	450	175B	5.0Ø	200	150B	S1Δ	Ø	D05Δ	
	1N2462	250	30	150B	1.1	450	175B	5.0Ø	250	150B	S1Δ	Ø	D05Δ	
	1N2463	300	30	150B	1.1	450	175B	5.0Ø	300	150B	S1Δ	Ø	D05Δ	
	1N2468	700	30	150B	1.1	450	175B	5.0Ø	700	150B	S1Δ	Ø	D05Δ	
▼	1N2487	400	.75	55	1.0		150	1.0	400	25	S1	A6b		
▼	1N2490	1600	.50	100	5.0		100	1.0	1600	25	S1	2		
▼	1N2491	50	6.0	150	1.1		190A	.50Ø		150C	S1		D04	
	1N2492	100	6.0	150	1.1		190A	.50Ø		150C	S1		D04	
	1N2494	300	6.0	150	1.1		190A	.50Ø		150C	S1		D04	
	1N2495	400	6.0	150	1.1		190A	.50Ø		150C	S1		D04	
	1N2497	600	6.0	150	1.1		190A	.50Ø		150C	S1		D04	
	1N2502	1000	.15	25A	1.5		150A	.20	1000	150A	S1	A6		
	1N2503	1200	.15	25A	1.5		150A	.20	1200	150A	S1	A6		
	1N2504	1500	.15	25A	1.5		150A	.20	1500	150A	S1	A6		
	1N2505	800	.30	25A	1.5		150A	.20	800	150A	S1	A6		
	1N2508	1500†	.30Ø	25	1.5		175A	.20Ø		150	S1			
	1N2512	100	4.0	30A			25	165A	.002	100	25	S1Δ		D04Δ
	1N2513	200	4.0	300			25	165A	.002	200	25	S1Δ	Δ	D04
	1N2514	300	4.0	35A			25	165A	.002	300	25	S1Δ		D04Δ
▼	1N2515	400	4.0	35A			25	165A	.002	400	25	S1Δ	Δ	D04Δ
	1N2516	500	4.0	35A			25	165A	.002	500	25	S1Δ	Δ	D04
	1N2517	600	4.0	35A			25	165A	.002	600	25	S1Δ	Δ	D04Δ
	1N2518	100	4.0	30A			25	165A	.002	100	25	S1Δ		S35
	1N2519	200	4.0	300			25	165A	.002	200	25	S1Δ		S35
	1N2520	300	4.0	35A			25	165A	.002	300	25	S1Δ		S35
	1N2521	400	4.0	25			25	165A	.002	400	25	S1Δ		S35
	1N2522	500	4.0	35A			25	165A	.002	500	25	S1Δ		S35
	1N2523	600	4.0	35A			25	165A	.002	600	25	S1Δ		S35
	1N2524	50	2.5	150C	1.2		50	150	.50	50	150C	S1Δ		S35
	1N2526	200	2.5	150C	1.2		50	150	.50	200	150C	S1Δ		S35
	1N2528	400	2.5	150C	1.2		50	150	.50	400	150C	S1Δ		S35
	1N2529	500	2.5	150C	1.2		50	150	.50	500	150C	S1Δ		S35
	1N2532	800	2.5	150C	1.2		150	150	.50	800	150C	S1Δ		S35
	1N2535	50	2.5	150C	1.0		50	150	.10	50	150C	S1Δ		S35
▼	1N2536	100	2.5	150C	1.0		50	150	.10	100	150C	S1Δ		S35
▼	1N2537	200	2.5	150C	1.0		50	150	.10	200	150C	S1Δ		S35
	1N2538	300	2.5	150C	1.0		50	150	.10	300	150C	S1Δ		D04
	1N2539	400	2.5	150C	1.0		50	150	.10	400	150C	S1Δ		S35
	1N2540	500	2.5	150C	1.0		50	150	.10	500	150C	S1Δ		S35
	1N2542	700	2.5	150C	1.0		50	150	.10	700	150C	S1Δ		S35
	1N2543	800	2.5	150C	1.0		150	150	.10	800	150C	S1Δ		S35
	1N2547	100	2.5	150C	1.5		50	150	1.0	100	150C	S1Δ		S35
	1N2551	500	2.5	150C	1.5		50	150	1.0	500	150C	S1Δ		S35

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.
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for

EXPLANATION OF SYMBOLS.

NAVWEPS 16-1-530
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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION		
			Full Load Voltage Drop (volts)	@T (°C)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
▼	1N2554	800	2.5	150C	1.5	150	150	1.0	800	150C	S1Δ		S35
	1N2557	700	6.0	150C	1.2	50	150	.50	700	150	S1Δ		S35
	1N2561	700	6.0	150C	1.0	50	150	.10	700	150	S1Δ		S35
▼	1N2566	100	6.0	150C	1.5	150	150	1.0	100	150C	S1Δ		S35
	1N2571	600	6.0	150C	1.5	150	150	1.0	600	150C	S1Δ		S35
	1N2572	700	6.0	150C	1.5	50	150	1.0	700	150	S1Δ		S35
▼	1N2576	50	12	150C	1.2	250	150	1.0	50	150C	S1Δ		S35
	1N2578	200	12	150C	1.2	250	150	1.0	200	150C	S1Δ		S35
	1N2581	500	12	150C	1.2	250	150	1.0	500	150C	S1Δ		S35
	1N2582	600	12	150C	1.2	250	150	1.0	600	150C	S1Δ		S35
	1N2583	700	12	150C	1.2	250	150	1.0	700	150C	S1Δ		S35
	1N2584	800	12	150C	1.2	250	150	1.0	800	150C	S1Δ		S35
	1N2587	50	12	150C	1.0	250	150	.20	50	150C	S1Δ		S35
	1N2589	200	12	150C	1.0	250	150	.20	200	150C	S1Δ		S35
▼	1N2590	300	12	150C	1.0	250	150	.20	300	150C	S1Δ		S35
	1N2591	400	12	150C	1.0	250	150	.20	400	150C	S1Δ		S35
	1N2592	500	12	150C	1.0	250	150	.20	500	150C	S1Δ		S35
	1N2593	600	12	150C	1.0	250	150	.20	600	150C	S1Δ		A35
	1N2594	700	12	150C	1.0	250	150	.20	700	150C	S1Δ		S35
	1N2595	800	12	150C	1.0	250	150	.20	800	150C	S1Δ		S35
	1N2600	200	12	150C	1.5	250	150	2.0	200	150C	S1Δ		S35
	1N2601	300	12	150C	1.5	250	150	2.0	300	150C	S1Δ		S35
	1N2604	600	12	150C	1.5	250	150	2.0	600	150C	S1Δ		A35
	1N2605	700	12	150C	1.5	250	150	2.0	700	150C	S1Δ		S35
	1N2606	800	12	150C	1.5	250	150	2.0	800	150C	S1Δ		S35
	1N2609	50	.75	50	1.1Δ	30	175A	.50	50	150A	S1Δ		A31a
	1N2610	100	.75	50	1.1Δ	30	175A	.50	100	150A	S1Δ		A31a
▼	1N2611	200	.75	50	1.1Δ	30	175A	.50	200	150A	S1Δ		A31a
▼	1N2612	300	.75	50	1.1Δ	30	175A	.50	300	150A	S1Δ		A31a
	1N2614	500	.75	50	1.1Δ	30	175A	.50	500	150A	S1Δ		A31a
	1N2616	800†	.75Ø	50	1.1	30	175A	.01	800	25	S1		A31a
	1N2617	1000†	.75Ø	50	1.1	30	175A	.01	1000	25	S1		A31a
	1N2619	1500	.75	50	1.1Δ	30	175A	.50	1500	150A	S1Δ		A31a
	1N2630	1500†	.085	75A	3.0	5.0	100A	.35Ø	1500	25A	S1	2,5,♦	
	1N2631	1600	.60	75A	3.0	5.0	100A	.35Ø	1600	25A	S1	2,5,♦	
	1N2633	1600	.60	75A	3.0	5.0	100A	.35Ø	1600	25A	S1	2,5,♦	
	1N2634	1600	.60	75A	3.0	5.0	100A	.35Ø	1600	25A	S1	2,5,♦	
	1N2635	1500	.085	75A	3.0	5.0	100A	.35Ø	1500	25A	S1	2,5,♦	
	1N2637	6400	.25	75				.35Ø			S1		♦
	1N2638	70Ø	1.5	25	1.75			.30Ø	100		S1	4,♦	
	1N2641	140Ø	1.5	25	1.75			.30Ø	100		S1	4,♦	
	1N2653	560Ø	1.5	25	1.75			.30Ø	100		S1	4,♦	
	1N2662	1400Ø	1.5	25	1.75			.30Ø	100		S1	4,♦	
	1N2664	1680Ø	1.5	25	1.75			.30Ø	100		S1	4,♦	
	1N2667	2800Ø	1.5	25	1.75			.30Ø	100		S1	4,♦	
	1N2673	140Ø	3.6	25	.75			.30Ø	100		S1	8,♦	
	1N2677	210Ø	3.6	25	.75			.30Ø	100		S1	8,♦	
	1N2681	280Ø	3.6	25	.75			.30Ø	100		S1	8,♦	
	1N2685	420Ø	3.6	25	.75			.30Ø	100		S1	8,♦	
	1N2690	840Ø	3.6	25	.75			.30Ø	100		S1	8,♦	
	1N2694	140Ø	7.2	25	.75			.30Ø	100		S1	9,♦	
	1N2702	70Ø	3.0	25	1.75			.30Ø	100		S1	5,♦	
	1N2705	140Ø	3.0	25	1.75			.30Ø	100		S1	5,♦	
	1N2723	1400Ø	3.0	25	.75			.30Ø	100		S1	5,♦	
	1N2725	70Ø	3.0	25	.75			.30Ø	100		S1	6,♦	
	1N2728	140Ø	3.0	25	.75			.30Ø	100		S1	6,♦	
	1N2734	280Ø	3.0	25	.75			.30Ø	100		S1	6,♦	
	1N2737	420Ø	3.0	25	.75			.30Ø	100		S1	6,♦	
	1N2738	560Ø	3.0	25	.75			.30Ø	100		S1	6,♦	
	1N2739	840Ø	3.0	25	.75			.30Ø	100		S1	6,♦	
	1N2744	210Ø	3.6	25	.75			.30Ø	100		S1	7,♦	
	1N2746	280Ø	3.6	25	.75			.30Ø	100		S1	7,♦	
	1N2748	420Ø	3.6	25	.75			.30Ø	100		S1	7,♦	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
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♦ — PREFERRED TYPE — MIL-STD 701

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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION		
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
	1N2750	70	3.0	25	.75			.30		100	S1	6,	
	1N2753	140	3.0	25	.75			.30		100	S1	6,	
	1N2759	280	3.0	25	.75			.30		100	S1	6,	
	1N2762	420	3.0	25	.75			.30		100	S1	6,	
	1N2763	560	3.0	25	.75			.30		100	S1	6,	
	1N2764	840	3.0	25	.75			.30		100	S1	6,	
	1N2773	800	.50	150	1.8			.10	800	150	S1		A40
	1N2774	900	.50	150	1.8			.10	900	150	S1		A40a
	1N2775	1000	.50	150	1.8			.10	1000	150	S1		A40a
	1N2776	1100	.50	150	1.8			.10	1100	150	S1		A40a
	1N2777	1200	.50	150	1.8			.10	1200	150	S1		A40a
	1N2779	1400	.50	150	1.8			.10	1400	150	S1		A40a
	1N2780	1500	.50	150	1.8			.10	1500	150	S1		A40a
	1N2781	1600	.50	150	1.8			.10	1600	150	S1		A40
	1N2784	200†	260	25A	.60	200	175J	1.00	200	150C M	S1Δ	Ø#Δ	D04
	1N2785	400†	260	25A	.60	200	175J	1.00	400	150C M	S1Δ	Ø#Δ	D04Δ
	1N2789	400†	600	25A	.60	600	175J	2.00	400	150C M	S1Δ	Ø#Δ	D05Δ
	1N2793	50	5.0	150C	1.25	75	150	5.0	50	150C	S1Δ	D05	
	1N2799	350	5.0	150C	1.25	75	150	5.0	350	150C	S1Δ	D05	
	1N2847	100	.50	150C	.05	15	165A	.40	100	150C	S1*		S35
	1N2858	50	.75	75		40	125A	.40	50		S1		DO2
	1N2859	100	.75	75		40	125A	.40	100		S1		DO2
▼	1N2862	400	.75	75		40	125A	.30	400		S1		
	1N2863	500	.75	75		40	125A	.30	500		S1		DO2
	1N2864	600	.75	75		40	125A	.30	600		S1		DO2
	1N2878	700†	.250	25	2.0	2.0	150A	.50uΔ	700	25	S1Δ		
	1N2879	700†	.250	25	2.0	2.0	150A	.50uΔ	700	25	S1Δ		
	§N2880	1000†	.250	25	2.0	2.0	150A	.50uΔ	1000	25	S1Δ		
	1N2881	1000†	.250	25	2.0	2.0	150A	.50uΔ	1000	25	S1Δ		
	1N2884	1400†	.250	25	4.0	2.0	150A	.50uΔ	1400	25	S1Δ		
	1N2885	1400†	.250	25	4.0	2.0	150A	.50uΔ	1400	25	S1Δ		
▼	1N2886	1500†	.250	25	3.0	2.0	150A	.50uΔ	1500	25	S1Δ		
	1N2887	1500†	.250	25	3.0	2.0	150A	.50uΔ	1500	25	S1Δ		
	1N2890	2000†	.250	25	4.0	2.0	150A	.50uΔ	2000	25	S1Δ		
	1N2891	2000†	.250	25	4.0	2.0	150A	.50uΔ	2000	25	S1Δ		
	1N2892	2100†	.250	25	6.0	2.0	150A	.50uΔ	2100	25	S1Δ		
	1N2893	2100†	.250	25	6.0	2.0	150A	.50uΔ	2100	25	S1Δ		
	1N2894	2450†	.250	25	7.0	2.0	150A	.50uΔ	2450	25	S1Δ		
	1N2895	2450†	.250	25	7.0	2.0	150A	.50uΔ	2450	25	S1Δ		
	1N2896	2500†	.250	25	5.0	2.0	150A	.50uΔ	2500	25	S1Δ		
	1N2897	2500†	.250	25	5.0	2.0	150A	.50uΔ	2500	25	S1Δ		
	1N2898	2800†	.250	25	8.0	2.0	150A	.50uΔ	2800	25	S1Δ		
	1N2899	2800†	.250	25	8.0	2.0	150A	.50uΔ	2800	25	S1Δ		
	1N2900	3000†	.250	25	6.0	2.0	150A	.50uΔ	3000	25	S1Δ		
	1N2901	3000†	.250	25	6.0	2.0	150A	.50uΔ	3000	25	S1Δ		
	1N2902	3150†	.250	25	9.0	2.0	150A	.50uΔ	3150	25	S1Δ		A48k
	1N2903	3150†	.250	25	9.0	2.0	150A	.50uΔ	3150	25	S1Δ		
	1N2904	3500†	.250	25	7.0	2.0	150A	.50uΔ	3500	25	S1Δ		
	1N2905	3500†	.250	25	7.0	2.0	150A	.50uΔ	3500	25	S1Δ		
	1N2910	4000†	.250	25	8.0	2.0	150A	.50uΔ	4000	25	S1Δ		
	1N2911	4000†	.250	25	8.0	2.0	150A	.50uΔ	4000	25	S1Δ		
	1N2914	4500†	.250	25	9.0	2.0	150A	.50uΔ	4500	25	S1Δ		
▼	1N2915	4500†	.250	25	9.0	2.0	150A	.50uΔ	4500	25	S1Δ		
	1N2916	4550†	.250	25	13	2.0	150A	.50uΔ	4550	25	S1Δ		
	1N2917	4550†	.250	25	13	2.0	150A	.50uΔ	4550	25	S1Δ		
	1N2918	5000†	.250	25	10	2.0	150A	.50uΔ	5000	25	S1Δ		
	1N2919	5000†	.250	25	10	2.0	150A	.50uΔ	5000	25	S1Δ		
	1N2920	5500†	.250	25	11	2.0	150A	.50uΔ	5500	25	S1Δ		
	1N2921	5500†	.250	25	11	2.0	150A	.50uΔ	5500	25	S1Δ		
	1N2922	6000†	.250	25	12	2.0	150A	.50uΔ	6000	25	S1Δ		
	1N2923	6000†	.250	25	12	2.0	150A	.50uΔ	6000	25	S1Δ		
	1N2924	6500†	.250	25	13	2.0	150A	.50uΔ	6500	25	S1Δ		
	1N2925	6500†	.250	25	13	2.0	150A	.50uΔ	6500	25	S1Δ		
	1N3052	12000	.10	25A	70	2.5	175A	.01	12K	25A	S1		

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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION		
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
	1N3053	14000	.10	25A	75	2.5	175A	.01	14K	25A	S1		A48n
	1N3054	16000	.10	25A	80	2.5	175A	.01	16K	25A	S1		A48p
	1N3072	50†	.20	150A	1.5		175A	.001	50	25	S1		
▼	1N3073	100†	.20	150A	1.5		175A	.001	100	25	S1		DO12
	1N3074	150†	.20	150A	1.5		175A	.001	150	25	S1		DO12
	1N3076	250†	.20	150A	1.5		175A	.001	250	25	S1		DO12
	1N3077	300†	.20	150A	1.5		175A	.001	300	25	S1		DO12
	1N3079	400†	.20	150A	1.5		175A	.001	400	25	S1		
	1N3080	500†	.20	150A	1.5		175A	.001	500	25	S1		
▼	1N3081	600†	.20	150A	1.5		175A	.001	600	25	S1		
▼	1N3082TK21	200	1.0	100		45	200A	.20	200	150	S1		A84
▼	1N3085	100	150Ø	150B	.60Ø	3000	190J	25Ø	100	175B	S1	ØΔ#	S8Δ
	1N3086	200	150Ø	150B	.60Ø	3000	190J	25Ø	200	175B	S1	ØΔ#	S8
	1N3087	300	150Ø	150B	.60Ø	1500	190J	25Ø	300	175B	S1	ØΔ#	S8Δ
	1N3089	500	150Ø	150B	.60Ø	1500	190J	25Ø	500	175B	S1	ØΔ#	S8
	1N3108	550	1.5	25		30	200A	.05	800	25	S1Δ		S82
	1N3140	100†	70	150C		1200		30	100	190J	S1		
	1N3141	150†	70	150C		1200		30	150	190J	S1		
	1N3142	200†	70	150C		1200		30	200	190J	S1		
	1N3151	7200	.10	100	27	2.0	175S	.25	7200	100	S1		A95
	1N3162	100†	240	125C		3000		50	100	190J	S1		S14e
	1N3164	200†	240	125C		3000		50	200	190J	S1		S14e
	1N3165	250†	240	125C		3000		50	250	190J	S1		S14e
	1N3166	300†	240	125C		3000		50	300	190J	S1		S14e
	1N3167	350†	240	125C		3000		50	350	190J	S1		S14e
	1N3168	400†	240	125C		3000		50	400	190J	S1		S14e
	1N3169	500†	240	125C		3000		50	500	190J	S1		S14e
♦	USN1N3189	200	1.0	100	1.0	30	175A	.50	200	150	N	S1	A31a
▼	1N3190	400	1.0	100A	1.0	30	175	.005	400	25A	N	S1Δ	A31a
▼	USN1N3190	400	1.0	100	1.0	30	175A	.50	400	150	N	S1	A31a
♦	1N3191	600	1.0	100A	1.0	30	175	.005	600	25A	N	S1Δ	A31a
♦	USN1N3191	600	1.0	100	1.0	30	175A	.50	600	150	N	S1	A31a
♦	1N3193	200†	.75Δ	75A			100A	.005	200	25A	S1Δ		A50
▼	1N3194	400†	.75Δ	75A			100A	.005	400	25A	S1Δ		A50
▼	1N3195	600†	.75Δ	75A			100A	.005	600	25A	S1Δ		A50
▼	1N3196	800†	.50Δ	75A			100A	.005	800	25A	S1Δ		A50
	1N3208	50†	15Ø	150	1.5	250	175A	1.0	50	25	S1		S21b
	1N3211	300†	15Ø	150	1.5	250	175A	1.0	300	25	S1		S21b
	1N3229	500	.50	25	3.3	12.5		.50	500	150	S1		A21b
	1N3233	1200	.50	25	3.3	12.5		.50	1200	150	S1		A21b
	1N3234	1500	.50	25	3.3	12.5		.50	1500	150	S1		A21b
	1N3235	1800	.50	25	3.3	12.5		.50	1800	150	S1		A21b
	1N3236	2000	.50	25	3.3	12.5		.50	2000	150	S1		A21b
	1N3238	100	.75	25	2.2	15		.50	100	150	S1		A21b
	1N3242	800	.75	25	2.2	15		.50	800	150	S1		A21b
	1N3245	1500	.75	25	2.2	15		.50	1500	150	S1		A21b
	1N3251	800	1.0	25	1.1	20		.50	800	150	S1		A21b
	1N3252	1000	1.0	25	1.1	20		.50	1000	150	S1		A21b
	1N3253	200†	.75Δ	75A	1.2		100A	.005	200	25A	S1Δ		A50a
	1N3254	400†	.75Δ	75A	1.2		100A	.005	400	25A	S1Δ		A50a
	1N3255	600†	.75Δ	75A	1.2		100A	.005	600	25A	S1Δ		A50a
	1N3256	800†	.50Δ	75A	1.2		100A	.005	800	25A	S1Δ		A50a
	1N3260	50†	160	125C		2000		40	50	190J	S1		S14g
	1N3261	100†	160	125C		2000		40	100	190J	S1		S14g
	1N3263	200†	160	125C		2000		40	200	190J	S1		S14g
	1N3264	250†	160	125C		2000		40	250	190J	S1		S14g
	1N3266	350†	160	125C		2000		40	350	190J	S1		S14g
	1N3268	500†	160	125C		2000		40	500	190J	S1		S14g
	1N3269	600†	160	125C		2000		40	600	190J	S1		S14g
	1N3277	200†	.75Δ	25	1.1	25	100	.01	200	25A	S1	Ø	A38f
▼	1N3278	400†	.75Δ	25	1.1	25	100	.01	400	25A	S1	Ø	A38f
	1N3280	800†	.75Δ	25	1.1	25	100	.01	800	25A	S1	Ø	A38f
	1N3281	1000†	.75Δ	25	1.1	25	100	.01	1000	25A	S1	Ø	A38f

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NAVWEPS 16-1-530
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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C.		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			Output Current		Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
			(amps)	@ T (°C)										
	1N3282	1000	.10	25A	2.5	2.5	150A	.001	1000	25A	S1Δ		D07	
	1N3283	1500	.10	25A	2.5	2.5	150A	.001	1500	25A	S1Δ		D07	
	1N3284	2000	.10	25A	2.5	2.5	150A	.001	2000	25A	S1Δ		D07	
♦	1N3285	2500	.10	25A	2.5	2.5	150A	.001	2500	25A	S1Δ		D07	
	1N3286	3000	.10	25A	2.5	2.5	150A	.001	3000	25A	S1Δ		D07	
	USN1N3287W	6.0	.050	25	1.0	.50Ø	90A	15ua	2.0	25	N	Ge	A1	
	1N3291	400	100Ø	130B	1.5	1600	200J	24*	400	200J	S1Δ	ØΔ#	D08Δ	
	1N3292	500	100Ø	130B	1.5	1600	200J	21*	500	200J	S1Δ	ØΔ#	D08Δ	
	1N3476	800	.75	50A		20		.01	800	50A	S1Δ		A66	
	1N3544	100	.60	25A	1.0	15	200A	.002	100	25	S1		A1	
	1N3545	200	.60	25A	1.0	15	200A	.002	200	25	S1		A1	
	1N3546	300	.60	25A	1.0	15	200A	.002	300	25	S1		A1	
	1N3549	600	.60	25A	1.0	15	200A	.002	600	25	S1		A1	
	1N3563	1000†	.40	75A	1.2		100A	.005	1000	25A	S1Δ		A50	
	1N3572	400	2.5	25A	1.3	35	165A	.40	400	150A	S1		D04	
	1N3573	500	2.5	25A	1.3	35	165A	.40	500	150A	S1		D04	
	1N3611	200	2.0	25		20	250A	.30	200	150	S1Δ		A60	
	1N3612	400	2.0	25		20	250A	.30	400	150	S1Δ		A60	
	1N3615	50	16	155B	1.2	300	175B	3.0	50	175B	S1Δ	Ø	D04Δ	
	1N3629	100†	.75	25	1.0	30	175J	.01	100	25	S1		A111	
	1N3636	800†	.75	25	1.0	30	175J	.01	800	25	S1		A111	
	1N3637	900†	.75	25	1.0	30	175J	.01	900	25	S1		A111	
	1N3649	800†	3.0	25	1.1	25	190S	.20	800	150	S1Δ		D04	
	USN1N3649M	800	3.3	25	1.1	25Ø	150J	.10	800	65A	N	S1	D04	
	USN1N3650M	1000	3.3	25	1.1	25Ø	150J	.10	1000	65A	N	S1	D04	
	1N3659	50	25	150	1.2	400	200S	.50	50	25	S1Δ		M38aΔ	
	1N3660	100	25	150	1.2	400	200S	.50	100	25	S1Δ		M38aΔ	
	1N3661	200	25	150	1.2	400	200S	.50	200	25	S1Δ		M38aΔ	
	1N3662	300	25	150	1.2	400	200S	.50	300	25	S1Δ		M38aΔ	
	1N3663	400	25	150	1.2	400	200S	.50	400	25	S1Δ		M38aΔ	
	1N3664	500	25	150	1.2	400	200S	.50	500	25	S1Δ		M38aΔ	
	1N3665	600	25	150	1.2	400	200S	.50	600	25	S1Δ		M38aΔ	
	1N3736	200	250	130B	.40Ø	4500	200J	16	200	130B	S1Δ	ØΔ#	D09Δ	
	1N3737	300	250	130B	.40Ø	4500	200J	16	300	130B	S1Δ	ØΔ#	D09Δ	
	1N3738	400	250	130B	.40Ø	4500	200J	16	400	130B	S1Δ	ØΔ#	D09Δ	
	1N3739	500	250	130B	.40Ø	4500	200J	15	500	130B	S1Δ	ØΔ#	D09Δ	
	1N3749	400	.50	25	1.5	20	100	.005	400	25	S1		A38F	
	1N3751	800	.50	25	1.5	20	100	.005	800	25	S1		A38f	
	1N3752	1000	.50	25	1.5	20	100	.005	1000	25	S1		A38F	
	1N3754	100†	.125	65A	1.0		100A	.005	100	25A	S1Δ		TO1	
	1N3755	200†	.125	65A	1.0		100A	.005	200	25A	S1Δ		TO1	
	1N3756	400†	.125	65A	1.0		100A	.005	400	25A	S1Δ		TO1	
	1N3757	200	1.0	25	1.0	30	100	.005	200	25	S1		A38F	
	1N3758	400	1.0	25	1.0	30	100	.005	400	25	S1		A38F	
	1N3759	600	1.0	25	1.0	30	100	.005	600	25	S1		A38F	
	1N3761	1000	1.0	25	1.0	20	100	.005	1000	25	S1		A38F	
	1N3764	3000	.50	25	6.5		.10	3000	100	S1Δ		A107		
	1N3775	1500	3.3	50	2.2	15	175	.30	1500	150	S1		D04	
▼	1S600	50	3.0Ø	75C	2.0	25	125C	1.0	50	25C	S1Δ	1		
▼	A-1S600Z10	400	400	25	1.0		150	.02	400	100	S1	6,♦	A1	
▼	SB1-X-3	250†	2.0	25			120C							
▼	F2	70Ø	.75	55	.90	75		.10	200	55	S1		N3	
▼	LL2	200	1.0	25	.70	10	200A	.01u	200	25	S1		A38c	
▼	SM-2	200†	1.0	135	2.0	6.0	150	.50	200	135	S1		D04	
▼	2JC2162H01	35	.50	30	1.5		150	.50	35	150	S1		A25	
▼	2JC2806H06	60	.064	25	1.6		150	.005	60	150	S1		A21	
▼	2JC4261H02	70	.75	25	1.15		165	.050	35	25	S1		D01	
▼	2JC4261H06	350	.75	25	1.15		150	.050	140	25	S1		D01	
▼	2JC4261H07	420	.75	25	1.05		165	.050	210	25	S1		D01	
▼	2JD1120Go1	280†	.350	30	1.0		125A	.30	280†	100	S1			
▼	2N681	25†	16	80B	.86	150	125A	6.5Ø	25	125J	N	S1	1	
▼	USN2N681	25	16	65	1.5		150	10	25	25	S1	1	S18	
▼	2N681A	25	20	80B	.86	250	125A	1.0Ø	25	125J	T	S1	1	S18

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

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♦ — PREFERRED TYPE — MIL-STD 701

NAVWEPS 16-1-530
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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
▼	2N682	50†	16	80B	.86	150	125A	6.5Ø	50	125J	N	S1	1	S18
	USN2N682	50	16	65	1.5	150	10	50	25			S1	1	S18
	2N682A	50	20	80B	.86	250	125A	1.0Ø	50	125J	T	S1	1	S18
▼	2N683	100†	16	80B	.86	150	125A	6.5Ø	100	125J	N	S1	1	S18
	2N683A	100	20	80B	.86	250	125A	1.0Ø	100	125J	T	S1	1	S18
	2N683/C35A	100†	16	80B	.86	150	125A	6.5Ø	100	125J		S1	1	S18
♦	JAN2N683M	100	16	65	1.5	150	10	100	25			S1	1	S18
▼	2N684	150†	16	80B	.86	150	125A	6.5Ø	150	125J	N	S1	1	S18
▼	2N684A	150	20	80B	.86	250	125A	1.0Ø	150	125J	T	S1	1	S18
▼	JAN2N684M	150	16	65	1.5	150	10	150	25			S1	1	S18
	2N685	200†	16	80B	.86	150	125A	6.0Ø	200	125J	N	S1	1	S18
	USN2N685	200	16	65	1.5	150	10	200	25			S1	1	S18
▼	2N685A	200	20	80B	.86	250	125A	1.0Ø	200	125J	T	S1	1	S18
	2N686	250†	16	80B	.86	150	125A	5.5Ø	250	125J	N	S1	1	S18
	2N686A	250	20	80B	.86	250	125A	1.0Ø	250	125J	T	S1	1	S18
▼	JAN2N686M	250	16	65	1.5	150	9.0	250	25			S1	1	S18
	2N687	300†	16	80B	.86	150	125A	5.0Ø	300	125J	N	S1	1	S18
	2N687A	300	20	80B	.86	250	125A	1.0Ø	300	125J	T	S1	1	S18
♦	JAN2N687M	300	16	65	1.5	150	8.0	300	25			S1	1	S18
▼	2N688	400†	16	80B	.86	150	125A	4.0Ø	400	125J	N	S1	1	S18
▼	USN2N688	400	16	65	1.5	150	8.0	400	25			S1	1	S18
▼	2N688A	400	20	80B	.86	250	125A	1.0Ø	400	125J	T	S1	1	S18
	2N689	500	16	80B	.86	150	125A	6.5Ø	500	125J	N	S1	1	S18
	2N689A	500	20	80B	.86	250	125A	1.0Ø	500	125J	T	S1	1	S18
♦	JAN2N689M	500	16	65	1.5	150	5.0	500	25			S1	1	S18
▼	2N1595	50*	1.3Δ	80C	2.0Δ	15	150C	.25Δ	50	25C		S1	1	T05
▼	2N1596	100*	1.3Δ	80C	2.0Δ	15	150C	.25Δ	100	25C		S1	1	T05
2N1597	200*	1.3Δ	80C	2.0Δ	15	150C	.25Δ	200	25C			S1	1	T05
	2N1598	300*	1.3Δ	80C	2.0Δ	15	150C	.25Δ	300	25C		S1	1	T05
	2N1600	50*	4.0Δ	80B	2.0Δ	75	150B	.25Δ	50	25B		S1	1	S62
2N1601	100*	4.0	80B	2.0Δ	75	150B	.25Δ	100	25B			S1	1	S62
	2N1602	200*	4.0Δ	80B	2.0Δ	75	150B	.25Δ	200	25B		S1	1	S62
	2N1603	300*	4.0Δ	80B	2.0Δ	75	150B	.25Δ	300	25B		S1	1	S62
▼	2N1770A	25†	7.0	115B		150A						S1	1	S17
▼	2N1771	50†	6.0	70B		125A						S1	1	S17
▼	2N1771A	50†	7.0	115B		150A						N	S1	S17
▼	2N1772	100†	6.0	70B		125A						N	S1	S17
▼	2N1772A	100†	7.0	115B		150A						N	S1	S17
▼	2N1773	150†	6.0	70B		125A						S1	1	S17
2N1773A	150†	7.0	115B			150A						S1	1	S17
	2N1774	200†	6.0	70B		125A						S1	1	S17
	2N1774A	200†	7.0	115B		150A						N	S1	S17
2N1775A	250†	7.0	115B			150A						S1	1	S17
	2N1776	300†	6.0	70B		125A						S1	1	S17
	2N1776A	300†	7.0	115B		150A						N	S1	S17
2N1796	300†	50	90B	1.3	1000	125J						S1	1	S108
	2N1797	360†	50	90B	1.3	1000	125J					S1	1	S108
	2N1842	25	16	25B		100A						S1	1	T048
2N1842A	25	10Ø	80B	2.3*	125	125J	22.5Ø	25	125J			S1	1	T048
	2N1842B	25	18	80B	1.2	150	125A	1.0Ø	25	125J	T	S1	1	S18
	2N1843	50	16	25B		100A						S1	1	T048
2N1843A	50	10Ø	80B	2.3*	125	125J	19Ø	50	125J			S1	1	T048
	2N1843B	50	18	80B	1.2	150	125A	1.0Ø	50	125J	T	S1	1	S18
	2N1844	100	16	25B		100A						S1	1	T048
2N1844A	100	10Ø	80B	2.3*	125	125J	12.5Ø	100	125J			S1	1	T048
	2N1844B	100	18	80B	1.2	150	125A	1.0Ø	100	125J	T	S1	1	S18
	2N1845	150	16	25B		100A						S1	1	T048
2N1845B	150	18	80B	1.2	150	125A	1.0Ø	150	125J	T		S1	1	S18
	2N1846	200	16	25B		100A						S1	1	S18
	2N1846B	200	18	80B	1.2	150	125A	1.0Ø	200	125J	T	S1	1	S18
2N1847	250	16	25B			100A						S1	1	T048
	2N1847B	250	18	80B	1.2	150	125A	1.0Ø	250	125J	T	S1	1	S18
	2N1848	300	16	25B		100A						S1	1	T048

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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts) -	Max. D. C. Output Current (amps) @ T (°C)		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.		
	2N1848B	300	18	80B	1.2	150	125A	1.0Ø	300	125J	T	S1	1	S18
	2N1849	400	16	25B	1.2	150	100A	1.0Ø	400	125J	T	S1	1	TO48
	2N1849B	400	18	80B	1.2	150	125A	1.0Ø			T	S1	1	S18
	2N1850	500	16	25B			100A				T	S1	1	TO48
	2N1850B	500	18	80B	1.2	150	125A	1.0Ø	500	125J	T	S1	1	S18
	2N1882	60	1.0	100C							T	S1	1	TO9
	2N1883	100	1.0	100C							T	S1	1	TO9
	2N1915	300†	110Δ	59B	.80	1000	125A	5.0Ø	300	125J	S1	1ØΔ#		TO49
	2N1931	100†	1.1	25C			125A				S1	1		
▼	2N1934	250†	1.1	25C			125A				S1	1		
▼	NA2R	50†	.40	25	2.0		175	.30	35Ø	100	S1			DO4
▼	2SS80	800†	.20	100	2.0		200	.30		100	S1			
▼	2W12A	1200†	.175	25	4.0		150A	.20	1200	150	S1			A45
▼	TM3	50†	.20Ø	100C	2.0		125A	.30Ø		100C	S1			
▼	HMP-3A	200	.50	25A	1.0		165A	.50	200	125A	S1*			A53
	3RC5	50	3.0Ø	92B	2.0*	30	105J	4.5Ø	50	105J	S1	1		S17
	3RC20	200	3.0Ø	92B	2.0*	30	105J	3.0Ø	200	105J	S1	1		S17
	MHV3.5	3500	.15	25A	4.5	5.0	125A	.001	3500	25A	S1			
▼	F-4	400	.75	55	1.0		150	1.0	400		S1			
▼	TM4	50†	1.0Ø	150C	2.0		175A	.50Ø		150	S1			DO4
▼	TD4B3B1A1	210Ø	.80	125	2.0	40	150A				S1	♦6		
▼	TD4B6B1A1	420Ø	1.6	55	2.0	400	150S	.50	375	125	S1	♦6		
▼	4JA60A	100	70	150B	1.1	900	200J	60Ø	100	200J	S1		△	
▼	4JA60B	200	70	150B	1.1	900	200J	45Ø	200	200J	S1		△	
▼	4JA60CX42	300	70	150B	1.1	900	200J	35Ø	300	200J	S1		△	
▼	4JA60D	400	70	150B	1.1	900	200J	28Ø	400	200J	S1		△	
▼	4JA61CX42	400	100	130	.60	1000	200	9.0	400	130	S1		DO8	
▼	4JA62A	100	70	100B	1.1	900	150J	60	100	150J	S1		△	
▼	4JA62B	200	70	100B	1.1	900	150J	45	200	150J	S1		△	
▼	4JA62C	300	70	100B	1.1	900	150J	35	300	150J	S1		△	
▼	4JA62D	400	70	100B	1.1	900	150J	28	400	150J	S1		△	
▼	4JA211AB1AC3	100	1.2	55	.80	25	95A	1.0	100	55	Ge	♦6		
▼	4JA211AC1AA2	100	1.2	55	.80	25	95A	1.0	100	55	Ge	♦5		
▼	4JA211AH1AC1	100	1.2	55	.80	25	95A	1.0	100	55	Ge	♦4		
▼	4JA211BB1AC2	200	1.2	55	.80	25	95A	1.0	200	55	Ge	♦6		
▼	4JA211BB2AC1	200	1.2	55	.80	25	95A	1.0	200	55	Ge	♦6		
▼	4JA211CB1AC1	300	1.2	55	.80	25	95A	1.0	200	55	Ge	♦6		
▼	4JA211CB1AC2	300	1.2	55	.80	25	95A	1.0	300	55	Ge	♦6		
▼	4JA211CB2AC1	300	1.2	55	.80	25	95A	1.0	300	55	Ge	♦6		
▼	4JA211CC1AC2	300	1.2	55	.80	25	95A	1.0	300	55	Ge	♦5		
▼	4JA211CC1AC4	300	1.2	55	.80	25	95A	1.0	300	55	Ge	♦5		
▼	4JA211CC3AC1	300	1.2	55	.80	25	95A	1.0	300	55	Ge	♦5		
▼	4JA211FB1AC2	50	1.2	55	.80	25	95A	1.0	50	55	Ge	♦6		
▼	4JA411BB1AD2	200	1.5	150	1.1	15	170A	.40	200	175	S1	♦		
▼	4JA411DB2AD1	400	1.5	150	1.1	15	170A	.40	400	175	S1	♦		
▼	4JA411DX155	400	1.5	150	1.1	15	170A	.40	400	175	S1	♦		
▼	4JA411DX184	400†	1.5	100							S1	♦		
▼	4JA411FC1AD1	50	1.5	150	1.1	15	170A	.40	50	175	S1	♦		
▼	4JA411FC1802	50	1.5	150	1.1	15	170A	.40	50	175	S1	♦		
▼	4JA3511BF1AD1	200	1.5	150	1.1	15	170A	.40	200	175	S1	♦		
▼	4JA6011A	100	53	35A	1.1	500	100A	25Ø	100	150J	S1	Ø		
▼	4JA6011B	200	53	35A	1.1	500	100A	18Ø	200	150J	S1	Ø		
▼	4S50	500	.40	100	2.0		200	.30Ø		100	S1			DO2
▼	MR5	50†	3.0Ø	150C	1.5		175A	.50Ø		150	S1			DO4
▼	NL5	50	.50	100	1.5			1.0Ø		100	S1			A6
▼	PT5	380†	.50	85	1.75	30	100A	.50	380†	85	S1			
▼	PS005	50†	.25Ø	25	1.0	1.5	150	.10Ø	35Ø	25	S1			A46
▼	TM5	50†	.40Ø	150C	2.0		175A	.50Ø		150	S1			
▼	PS005A	50Ø	.25Ø	25A		3.3	200A	.10Ø	35Ø	100A	S1			A46
▼	TJ5A	50†	.20Ø	150A	1.5		175A	.50Ø		150	S1			
▼	C5B	200†	1.6	25C	1.4Δ	18	125A				S1	1		TO5
▼	C5F	50†	1.6	25C	1.4Δ	18	125A				S1	1		TO5
▼	MR5N	50†	6.0	150B	.95	60	150A	20ua	50†	25A	S1			S4c

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NAVWEPS 16-1-530
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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION		
			Full Load Voltage (amps)	@T (°C)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
▼	6F10	100	6.0	155B	1.10	50	190B	3.0Ø	100	150	S1Δ	Ø	D04Δ
▼	6F50	500	6.0	155B	1.10	50	190B	3.0Ø	500	150	S1Δ	Ø	D04
▼	6FR5	50	6.0	155B	1.1	50	190B	3.0Ø	50	150	S1	Ø	D04
▼	GJ6M	150	1.0Ø	25A	1.0	6.0	90J				Ge	Ø	
▼	TD6S1C1A1	35Ø	3.0	125	2.0	150	150A				S1	9♦	S33
▼	TD6S2C1A1	70Ø	3.0	125	2.0	150	150A				S1	9♦	
▼	TD6S3B1A1	105Ø	2.0	125	2.0	100	150A				S1	9♦	
▼	TM7	50†	3.0Ø	150C	1.5	175A	.50Ø		150		S1		D04
▼	7E90	900†	.75	25	1.0	30	100J	.01	900	25	S1		A111
▼	CK7T5	150†	5.0	150	1.0	75	175J	5.0Ø	150	150	S1		
▼	RE8	50†	1.0	100		6.0	100J	.30	50	100	S1		S19a
▼	TM8	50	6.0	150				2.0Ø		150C	S1		
▼	TD8B4B1A2	560Ø	.80	125	2.0	40	150A				S1	6♦	
	SODSLD9	9000	3.0	25	18	300	150	.025	9000	25	S1Δ		
	HVC10	10000	.10	100A	12	5.0	150A	.005	10K	25	S1	Δ	A61h
▼	RE10	600†	.500	100				.025	600	25	S1		A31
▼	TJ10A	100†	.20Ø	150A	1.5	175A	.50Ø		150		S1		
	10A14P	200†	.50	150C	1.2			.005	200	150C	S1	Ø	Δ
▼	10AL8	800	.45	100A	1.0	30	165A	.01Ø	800	150A	T	S1Δ	
▼	10AL10	1000	.45	100A	1.0	30	165A	.01Ø	1000	150A	T	S1Δ	
▼	10J2	100†	10	25	1.2	150	100A				S1		S43
▼	NA11	100	1.0	100	2.0						S1		S4b
▼	TM11	100†	1.0Ø	100C	2.0						S1		
▼	TD12B03BA1	35†	1.6	125	2.0	50	150A				S1	7♦	
▼	TD12F2A1	210Ø	3.0	125	2.0	75	150A				S1	7♦	
▼	TD12F4A1A2	560Ø	.60	125	2.0	37	150A				S1	7♦	
▼	BB12K4F	100†	2.5	150	1.5	50	150	1.0	100	150	S1	6♦	D04
▼	(TD) 12R3C2A1	105Ø	5.0	120	1.5	300	150A				S1	9♦	
▼	TM13	100†	.20Ø	100C	2.0	125A	.30Ø		100C		S1		
▼	SJ14	300†	.10	55	1.0			.020	300	125	S1		
▼	PS015	150Ø	.25Ø	25A		3.3	200A	.10Ø	105Ø	100A	S1		A46
	C15B	200	3.0Ø	75B	1.35Δ	60	105J	6.0Δ	200	105J	S1	1	S90
	C15F	50	3.0Ø	75B	1.35Δ	60	105J	9.0Δ	50	105J	S1	1	S90
▼	SK16	100†	.500Ø	30A	1.2Ø		200A	.50Ø	100	150	S1		A84
▼	16A-22	300†	.75	25	1.2	8.0	100	.20	1.2	100	S1		
▼	16A-40	800†	.75	25	1.2						S1Δ		A36
	16RC50	500	16Ø	65B	2.2*	150	125J	3.0Ø	500	125J	S1	1	S18
	16RCF5A	50	16Ø	65B	2.2*	150	125J	6.5Ø	50	125J	S1	1	S18
	16RCF10A	100	16Ø	65B	2.2*	150	125J	6.5Ø	100	125J	S1	1	S18
	16RCF15A	150	16Ø	65B	2.2*	150	125J	6.5Ø	150	125J	S1	1	S18
	16RCF20A	200	16Ø	65B	2.2*	150	125J	6.0Ø	200	125J	S1	1	S18
	16RCF25A	250	16Ø	65B	2.2*	150	125J	5.5Ø	250	125J	S1	1	S18
▼	16RCF30A	300	16Ø	65B	2.2*	150	125J	5.0Ø	300	125J	S1	1	S18
▼	NA17	100	3.0	150	1.5			.50	100	150	S1		
▼	TJ20A	200†	.20Ø	150A	1.5	175A	.50Ø		150		S1		
▼	20H	200†	625	25	.80Ø	75	100A				S1		A6b
▼	TL21	200	.20	150S	2.0	2.0	100A	.30		100	S1		
▼	TM21	200	1.0	125S	2.0	10	100A	.30		100	S1		
▼	NA22	200	.40	100	2.0			.30	200	100	S1		S4b
▼	TL22	200	.35	150S	1.6	4.0	100A	.10		100	S1		
▼	SR-23	220	.50	25	1.5	90	175	5.0	220	150	S1		D05
▼	TM23	200†	.20Ø	100C	2.0		125A	.30Ø		100C	S1		
▼	TM24	200†	1.0Ø	1500	2.0		175A	.50Ø		150	S1		
	HV24C	2400†	.40	25	5.0	100	150	.10	2400	100	S1Δ		A3c
	TM24R	200†	1.0Ø	1500	2.0		175A	.50Ø		150	S1		
	TJ25A	250†	.20Ø	150A	1.5			.50Ø		150	S1		
	25H5	50	45	50	1.1	800	190	10	50	165	S1		S21a
	25H10	100	45	50	1.1	800	190	10	100	165	S1		S21a
	25H15	150	45	50	1.1	800	190	10	150	165	S1		S21a
	25H20	200	45	50	1.1	800	190	10	200	165	S1		S21a
	25H30	300	45	50	1.1	800	190	10	300	165	S1		S21a
	25H40	400	45	50	1.1	800	190	10	400	165	S1		S21a
	25H50	500	45	50	1.1	800	190	10	500	165	S1		S21a

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
□ — MECHANICAL AND ENVIRONMENTAL TEST.
♦ — PREFERRED TYPE — MIL-STD 701

12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
▼	25HR5	50	45	50	1.1	800	190	10	50	165	S1		M38	
▼	NA27	200	3.0	150	1.5			.50	200	150	S1			
▼	TM27R	200†	3.0	150	1.5		175J	.50	200	150	S1		D04	
▼	HV28C	2800†	.35	25	5.0	100	150J	.10	2800	100	S1Δ		A3c	
▼	TL32	300	.35	150S	1.6	4.0	100A	.10		100	S1			
▼	TM32	300†	.40Ø	100C	2.0		125A	.30Ø		100C	S1			
▼	TM34	300†	1.5Ø	150C	2.0		175A	.50Ø		150	S1			
▼	C35A	100†	16	80B	.86	150	125A	6.5Ø			S1	1		
▼	C35F	50†	16	80B	.86	150	125A	6.5Ø			S1	1		
▼	C35G	150†	16	80B	.86	150	125A	6.5Ø			S1	1		
▼	C35M	600†	16	80B	.86	150	125J		600	125J	S1	1	T048	
▼	C35S	700†	16	80B	.86	150	125J		700	125J	S1	1	T048	
▼	C35U	25†	16	80B	.86	150	125A	6.5Ø			S1	1		
▼	C36M	600†	16	25B	1.25	100	125J		600	100J	S1	1	T048	
▼	C36S	700†	16	25B	1.25	100	125J		700	100J	S1	1	T048	
▼	TM37	300†	3.0	150	1.5		175J	.50	300	150	S1		D04	
▼	NL40	400	.50	100	1.5			1.0Ø		100	S1		A6	
▼	SLA40	400	.50	25C	1.2	300	175A	1.0	400	25A	S1		M38b	
▼	SR40	400†	.50		1.5		170	.50			S1			
▼	40-16133	50†	.40	100	2.0		160F	.025	50†	25	S1		A6a	
▼	HV40A	4000†	.05	25	5.0	100	150J	.10	4000	100	S1Δ		A3c	
▼	TJ40A	400†	.20Ø	150A	1.5		175A	.50Ø		150	S1			
▼	C40E	500†	16	80B	.86	150	125J		500	125J	S1	1	T048	
▼	40H1	400	.75	55	1.0		150	1.0	400	25	S1		A6Ø	
▼	TK41	400†	.50	150A	1.0		15	200A	.005	400	25	S1		
▼	TL41	400	.20	150S	2.0		2.0	100A	.30	100	S1			
▼	TM41	400†	1.0Ø	100C	2.0		125A	.30Ø		100C	S1			
▼	TM42R	400†	1.40Ø	100C	2.0		125A	.30Ø		100C	S1			
▼	TM44	400†	1.0Ø	150C	2.0		175A	.50Ø		150	S1			
▼	44B251461-008	400†	150	25	1.3		200S	40	400	190	S1		S8b	
▼	44C250281-004	200†	12	140	1.2		200S	10	200	25	S1		S19a	
▼	45L15	150	150Ø	150B	.60Ø	3000	190J	25Ø	150	175B	S1	ØΔ#	S8	
▼	45L40	400	150Ø	150B	.60Ø	3000	190J	25Ø	400	175B	S1	ØΔ#	S8	
▼	45M5	50	150Ø	130B	.60Ø	500	200S	40Ø	50	175B	S1		S8aΔ	
▼	45M15	150	150Ø	130B	.60Ø	500	200S	40Ø	150	175B	S1		S8aΔ	
▼	45P5	50	150Ø	150B	.60Ø	3000	190J	25Ø	50	175B	S1	ØΔ#	S8a	
▼	45P15	150	150Ø	150B	.60Ø	3000	190J	25Ø	150	175B	S1	ØΔ#	S8aΔ	
▼	P46A6314	300†	35	140	1.45		190J	10	300	180	S1		N55	
▼	TM47	400†	3.0Ø	150C	1.5		175A	.50Ø		150	S1		D04	
▼	48C873105-3	300	.300	100	1.5	3.0		1ua	300	25	S1		A6	
▼	SLA50	500	.50	25C	1.2	300	175A	1.0	500	25A	S1		M38b	
▼	50E2	200	.50	25	1.1	12	100	.002	200	25	T	S1	Ø	
▼	50E4	400	.50	25	1.1	12	100	.002	400	25	T	S1	Ø	
▼	50E5	500	.50	25	1.1	12	100	.002	500	25	T	S1	Ø	
▼	50E7	700	.50	25	1.1	12	100	.002	700	25	T	S1	Ø	
▼	50E8	800	.50	25	1.1	12	100	.002	800	25	T	S1	Ø	
▼	50E12	1200	.50	25	1.1	12	100	.002	1200	25	T	S1	Ø	
▼	50E18	1800	.50	25	1.1	12	100	.002	1800	25	T	S1	Ø	
▼	50M	500	.50	100	1.5		150	2.0	500	25	S1			
▼	TL51	500†	.20	150S	2.0		150A	.30	500	100	S1		A6a	
▼	TM51	500†	1.0Ø	100C	2.0		125A	.30Ø		100C	S1			
▼	MC052A	5000	.07Ø	25	10	3.0	200	.000025000		25	S1		M54d	
▼	S53	300	3.0	80	1.3	20	150	.10	300	25	S1			
▼	TR53	50	35Ø	150C	1.5		175A	5.0Ø		150	S1			
▼	S56	600	3.0	80	1.3		20	150	.10	600	25	S1		
▼	PS060	600Ø	.25Ø	25A	3.3	200A	.10Ø	420Ø	100A	S1			A46	
▼	60M	600	.50	100	1.5		150	2.0	600	25	S1			
▼	W61	600†	1.0	100	1.0		200J	.20Ø	600	150	S1		A84	
▼	TM62	600†	.40Ø	100C	2.0		125A	.30Ø		100C	S1			
▼	MC062A	6000	.07Ø	25	12	3.0	200	.02u	6000	25	S1		M54e	
▼	TM65	600†	.40Ø	150C	2.0		175A	.50Ø		150	S1			
▼	70RC50A	500	70Ø	62B	1.85*	1000	125J	3.0Ø	500	125J	S1	1	TO49	
▼	71RC50A	500	70Ø	62B	1.85*	1000	125J	3.0Ø	500	125J	S1	1	S91	

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.
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SEE BACK COVER

for

EXPLANATION of SYMBOLS.

12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current (amps) @ T (°C)	ABSOLUTE MAX. RATINGS @ 25 °C			MAX. REVERSE CURRENT			DESCRIPTION			
				Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
	CER72	800	.75 25	1.2	8.0	100	.20	1.2	100	S1Δ	Δ	A36	
	CER72F	800†	.75 100	1.2	55	175	.01	800	25	S1		F29	
	75E1	100	.75 25	1.1	15	100	.002	100	25	T S1	∅	A3c	
	75E4	400	.75 25	1.1	15	100	.002	400	25	T S1	∅	A3c	
	75E05	50	.75 25	1.1	15	100	.002	50	25	T S1	∅	A3c	
	75E5	500	.75 25	1.1	15	100	.002	500	25	T S1	∅	A3c	
	75E6	600	.75 25	1.1	15	100	.002	600	25	T S1	∅	A3c	
	75E7	700	.75 25	1.1	15	100	.002	700	25	T S1	∅	A3c	
	75E8	800	.75 25	1.1	15	100	.002	800	25	T S1	∅	A3c	
	75E10	1000	.75 25	1.1	15	100	.002	1000	25	T S1	∅	A3c	
	75E12	1200	.75 25	1.1	15	100	.002	1200	25	S1	∅	A3c	
	CER77	5000	.10 25	6.3		100	.10	6.3	100	S1Δ	Δ	A36	
	HVR80	8000†	.50 25	16	15	100J	.01	8000	25			A112a	
	MC081	8000	.07∅ 25	8.0	3.0	200	.001	8000	25	S1		M54c	
	MC081A	8000	.07∅ 25	8.0	3.0	200	.00002	8000	25	S1		M54c	
▼	MC082	8000	.06∅ 25	16	3.0	200	.001	8000	25	S1		M54g	
	MC082A	8000	.06∅ 25	16	3.0	200	.02u	8000	25	S1		M54g	
	TM84	800†	1.0∅ 150C	2.0			175A	.50∅	150	S1			
▼	MC091	10000	.07∅ 25	10	3.0	200	.001	10K	25	S1		M54d	
▼	SD91	100†	.55 50				1.0	100	100	S1		DO3	
	MC091A	10000	.07∅ 25	10	3.0	200	.00002	10K	25	S1		M54d	
▼	SD91A	100†	.75 50				.50	100	100	S1		DO3	
▼	SD92	200†	.55 50				1.0	200	100	S1		DO3	
▼	MC093	14000	.06∅ 25	14	3.0	200	.001	14K	25	S1		M54f	
▼	SD93	300†	.55 50				1.0	300	100	S1		DO3	
▼	MC093A	14000	.06∅ 25	14	3.0	200	.00002	14K	25	S1		M54f	
▼	SD93A	300†	.75 50				.50	300	100	S1		DO3	
	MC094	16000	.06∅ 25	16	3.0	200	.001	16K	25	S1		M54g	
	MC094A	16000	.06∅ 25	16	3.0	200	.00002	16K	25	S1		M54g	
▼	SD94A	400	500∅ 100A	1.05Δ	15	175S	.40Δ	400	100A	S1		DO3	
	MC095	10000	.06∅ 25	20	3.0	200	.001	10K	25	S1		M54h	
	MC095A	10000	.06∅ 25	20	3.0	200	.00002	10K	25	S1		M54h	
▼	SD95A	500†	.75 50				.50	500	100	S1		DO3	
	MC096	12000	.06∅ 25	24	3.0	200	.001	12K	25	S1		M54j	
	MC096A	12000	.06∅ 25	24	3.0	200	.00002	12K	25	S1		M54j	
	MC097	14000	.05∅ 25	28	3.0	200	.001	14K	25	S1		M54k	
▼	97-95505-008	8100†	.055 75	27	1.0	150				S1		F14d	
▼	97-95595-008	8100†	.055 75	41	1.0	150	.025	8100	25	S1		F14d	
	MC097A	14000	.05∅ 25	28	3.0	200	.00002	14K	25	S1		M54k	
	MC098	16000	.05∅ 25	32	3.0	200	.001	16K	25	S1		M54l	
	MC098A	16000	.05∅ 25	32	3.0	200	.00002	16K	25	S1		M54l	
	SC100	10000	.10 55	10	1.0	175A	.001	10K	25	S1		A38e	
▼	SA-101	100	.200 25	1.0	.50	150	.25ua	100	25	S1		A62	
▼	BA103	6.0	.10 25A	1.0	150	.001	6.0	25A		S1			
▼	TR103	100	35∅ 150C	1.5			175A	.50∅	150	S1			
	BY104	300	1.0 150C	.90	25	150	.50	300	150C	S1Δ		DO2	
	TM104	1000†	1.0∅ 150C	2.0			175A	.50∅	150	S1			
▼	CH104AZ	150†	35 150C	1.1	350	150C	10	150	150C	S1		DO5	
▼	RX106	100	4.0 30A		25	165A	.002	100	25	S1Δ		DO4Δ	
	BA108	50	.10 25A	1.1	150	.001	50	25A		S1			
	CR108	8000	.550 60A	7.8	15	60A	.30	8000	125A	S1Δ			
▼	BY114	300	1.0 150C	.80	25	150	.10	300	150C	S1Δ		DO2	
	CH116A	100	50 140C	1.3	750	140C	20∅	100	140C	S1		DO5Δ	
	CH116B	200	50 140C	1.3	750	140C	20∅	200	140C	S1		DO5Δ	
	CH116D	400	50 140C	1.3	750	140C	20∅	400	140C	S1		DO5Δ	
	CH116E	500	50 140C	1.3	750	140C	20∅	500	140C	S1		DO5Δ	
	SG117	80	.40 85	1.3			100	.001	30	25	S1		DO7
	TM125	1200†	.40∅	2.0			175A	.50∅	150	S1			
	AX126	100	4.0 30A		25	165A	.002	100	25	S1Δ	♦	DO4Δ	
	TM126	1200†	.20∅ 150C	2.0			175A	.50∅	150	S1			
	SG131	60	.075 25	1.0			200A	.005	60	150	S1		DO7
	RA132MA	600†	1.3 55A	1.2	60	150A	.30∅	600	150	S1		A84	
	PS140	400∅	.50∅ 25A	1.5Δ	3.3	200A	.50∅	280∅	150A	S1		A47	

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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@ T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
▼	M150	360	.15	100	1.5		100	2.0	360	25	S1			
▼	TR151	150†	100	150C	1.5		175A	5.00		150	S1			
▼	152-012	600†	750	25	1.2	20	100	.050	600	100	S1		A3c	
▼	152-048	600†	750	75	1.2	40	125	.30	600	100	S1		DO3	
▼	TR152R	150†	200	150C	1.5		175A	5.00		150	S1			
▼	PS160	6000	.500	25A	1.5Δ	3.3	200A	.500	420	150A	S1		A47	
▼	SM180	800	.85	50			45	150A	.50	800	150	S1		A84
▼	SM181	95†	.250	150A	2.0	20	175J	.100	95	150	S1		DO4	
▼	SM181A	95†	.25	150	2.0	20	175J	.10	95	150	S1		DO4	
▼□	SG187	180	.05	150	1.0		200S	.015	180	150	S1		A1	
▼	SE189C	7000†	225	25A	25Δ		150A	.10	49000	125A	S1		N21	
▼	200SL	14000	1.125	25	7.0	45	100A						F22d	
▼	SA-201	200	.200	25	1.0	.50	150	.25ua	200	25	S1		A62	
▼	SE202	630†	.30	25	1.0	2.0	150J	.075	600	150	S1		♦	
▼□	C202-356	100	1.0	135	1.5	4.0	150S	.010	75	25	S1		DO4	
▼	DT203BA	100†	200	150C	1.1		175J	5.0	100	150C	S1			
▼	SM223	100†	3.0	150	1.5	15		.50	100	150	S1		DO4	
▼	SM224	50†	3.0	150	1.5	15		.50	50	150	S1		DO4	
▼□	232-1127-F2	600†	.40	100C	2.0	5.0	125J	.05	600	25	S1			
▼	232-1158P1	490†	1.0	55A	1.75		125A	.20	490	25	S1		6♦	
▼	232-1158P2	786†	1.0	55A	1.75		125A	.20	786	25	S1		6♦	
▼	WR300	300	500	25A	1.25	3.3	200	.10	300	100	S1			
▼	SA-301	300	.200	25	1.0	.50	150	.25ua	300	25	S1		A62	
▼	TR301	300†	100	150C	1.5		175A	5.00		150	S1			
▼	TR302	300†	200	150C	1.5		175A	5.00		150	S1			
▼	302B	100	350	140C	.60	500	190J	20*	100	190J	S1		S29Δ	
▼	302D	200	350	140C	.60	500	190J	20*	200	190J	S1		S29Δ	
▼	302E	250	1.60	190	.60	500	190	20*	250	190J	S1		S29	
▼	302F	300	350	140C	.60	500	190J	20*	300	190J	S1		S29Δ	
▼	303A	50	180	140C	.750	200	190J	10*	50	190J	S1		S29	
▼	303B	100	180	140C	.75	200	190J	10*	100	190J	S1		S29	
▼	303B996	100	180	140C	.750	200	190J	10*	100	190J	S1		∅♦	
▼	303B996G02	600	1.6	140	1.6	70	175	.50	600	25	S1		DO3	
▼	303C	150	180	140C	.750	200	190J	10*	150	190J	S1		S29	
▼	303D	200	180	140C	.750	200	190J	10*	200	190J	S1		S29	
▼	303F	300	180	140C	.750	200	190J	10*	300	190J	S1		S29	
▼	303G	350	180	140C	.75	200	190J	10*	350	190J	S1		S29	
▼	304B	100	120	150C	.650	200	190J	10*	100	190J	S1		S27Δ	
▼	304D	200	120	150C	.650	200	190J	10*	200	190J	S1		S27Δ	
▼	B305	50†	260	25A	.600	200	150A	1.00	50	125C	S1		M38Δ	
▼	307A	50	1.60	140C	1.00	20	175J	.50*	50	150J	S1		DO1	
▼	307D	200	1.60	140C	1.00	20	175J	.50*	200	150J	S1		DO1	
▼	307H	400	1.60	140C	1.00	20	175J	.50*	400	150J	S1		DO1	
▼	308M	600	1.60	140C	1.00	20	175J	.50*	600	150J	S1		S25	
▼	E310	100†	260	25A	.600	200	150J	1.00	100	125C	S1		∅# M38Δ	
▼	319E	250	350	190	.60	200	190	40*	250	190J	S1		S14c	
▼	PA320A	200†	.30	100A	1.5			.50	200	100A	S1			
▼	320C	150	1.60	140C	1.00	20	175J	1.5*	150	150J	S1		∅ DO1	
▼	320M	600	1.5	25			175J	1.5	600	150	S1		QUAD	
▼□	322-1118P1	2000†	1.0Δ	150A	5.5Δ		150A	.60	2000	150A	S1		5♦	
▼□	322-1128P1	150	35	150		1800	190A	.40	150	25	S1		7♦	
▼□	322-1135P2	98	2.25Δ	150	1.3		170A	.80	98	150	S1		7♦	
▼	322-1138P1	70	5.0	150		300	150A				S1		7♦	
▼	322-1140P1	140	4.5	150	1.0		150J				S1		7♦	
▼	S322-1168-P2	150†	45	25			200J	40	150	25	S1		S8	
▼	322B	100†	160	125	1.3		190J	40	100	25	S1		S8e	
▼	322F	300†	160	125	1.3		190J	40	300	25	S1		S8e	
▼□	S322MR023-P001	325	.030	100	1.0	400	.020				S1		C1	
▼□	322MS056-P004	125	.055	25	1.0	.50	200S	.20ua	10	125	S1		A22a	
▼□	322MS080-P001	200†	20	150C	1.5	90	100A	5.0	200		S1		S21c	

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♦ — PREFERRED TYPE — MIL-STD 701

SEE BACK COVER

for

EXPLANATION of SYMBOLS.

12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current (amps) @ T (°C)	ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
				Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
				(amps)	(amps)	(°C)	(ma)	(volts)	(°C)				
▼□	322MS080-P002	200†	20 150C	1.5	90	100A 190J	5.0 40	200 100	150 25	S1		S21c	
▼	326B	100†	160 125	1.3						S1		S14g	
▼	327B	100	240□ 125C	.60□	3000	190J	50*	100	190J	S1	∅		
▼□	353-1529-00	150†	5.0 25	1.0		175C	5.0	150	25	S1			
▼	395B842P3R	200†	50 150C	1.0	750	150	60	50	150	S1		N25	
▼	WR400	400	500 25A	1.25	3.3	200	.10	400	100	S1			
▼	BY402	100	6.0 150	1.2	150	150	.50	100	150	S1		S35	
▼	TR402	400†	200□ 150C	1.5		175A	5.0□		150	S1			
▼	PS410A	100	.40 25	1.5		200A	.50	100	150	S1			
▼	PS420	200□	.40□ 25A		3.3	200A	.50□	140□	150A	S1		A46	
▼□	426-10000	500†	30 25				1.0	500	25	S1			
▼	426-10001	500	1.5 25		10	150A	1.0	500	25	S1		S4b	
▼	S429C596G01	600	1.5 25			175J	1.5	600	150	S1		Quad	
▼	SLA440	100	.30 50A	1.5	15	150A	.0003	100	25	S1		A69	
▼	SLA440B	100	.75 50A	1.5	15	165A	.0003	100	25	S1		A69	
▼	SLA441	200	.30 50A	1.5	15	150A	.0008	200	25	S1		A69	
▼	SLA441B	200	.75 50A	1.5	15	165A	.0008	200	25	S1		A69	
▼	SLA442B	300	.75 50A	1.5	15	165A	.001	300	25	S1		A69	
▼	SLA443B	400	.75 50A	1.5	15	165A	.0015	400	25	S1		A69	
▼	SLA444	500	.30 50A	1.5	15	150A	.0018	500	25	S1		A69	
▼	SLA444B	500	.65 50A	1.5	15	150A	.0018	500	25	S1		A69	
▼	SLA445B	600	.65 50A	1.5	15	150A	.002	600	25	S1		A69	
▼	SD500	280□	.750 50	1.15	5.0	100A	.70	400	100	S1		A41	
▼	DI-505	50†	.75 25C	1.2	25	150	.005	50	25	S1			
▼	508C509H14	200†	35 25		Set of 4	1N1186	Rectifiers			S1	♦	A38b	
▼	508C514H32	600†	1.6 140C	1.25	10	175	.050	600	25	S1	♦	A34b	
▼	508C514H36	800†	1.6 140C	1.25	10	175	.050	800	25	S1	♦	A34b	
▼	508C516H58	400†	1.6 140C	1.25	10	175	.050	400	25	S1	♦	A34b	
▼	508C540H22	100†	12 25		Set of 6	1N1200	Rectifiers			S1	♦		
▼	508C574H34	700†	1.6 25		Set of 6	1N1225	Rectifiers			S1	♦		
▼	508C574H40	1000†	1.6 25		Set of 6	1N1443	Rectifiers			S1	♦		
▼	508C581H12	600†	12 25		Set of 4	1N1206	Rectifiers			S1	♦		
▼	508C581H31	550†	6.0 25		Set of 4	1N1348	Rectifiers			S1	♦		
▼	508C605H02	100†	160□ 25		Set of 6	1N1661	Rectifiers			S1	♦		
▼	508C610H28	600	1.6□ 140C	1.0□	20	175J	1.5*	600	150J	S1	∅♦	DO1	
▼	B510	100	45□ 25A	.60□	600	150J	2.0□	100	125C	S1	∅Δ#	M38Δ	
▼	BY514	300	12 150	1.0	250	150	.20	300	150	S1		S35	
▼	BY515	400	12 150	1.0	250	150	.20	400	150	S1		S35	
▼	BY516	500	12 150	1.0	250	150	.20	500	150	S1		S35	
▼	B520	200	45□ 25A	.60□	600	150J	2.0□	200	125C	S1	∅Δ#	M38Δ	
▼	PT520	200	.50 100A	1.5	15	100A	.50	200	100A	S1			
▼	PT530	300	.50 100A	1.5	15	100A	.50	300	100A	S1			
▼	CODI531	100	.75 25	.50	35	150	.001	100	25	S1		A75	
▼	CODI533	300	.75 25	.50	35	150	.001	300	25	S1		A75	
▼	CODI535	500	.75 25	.50	35	150	.001	500	25	S1		A75	
▼	CODI537	700	.50 25	.50	25	125	.002	700	25	S1		A75	
▼	CODI538	800	.50 25	.50	25	125	.002	800	25	S1		A75	
▼	B540	400	45 25A	.60□	600	150J	2.0□	400	125C	S1	∅Δ#	M38Δ	
▼	PT540	400	.50 100A	1.5	15	100A	.50	400	100A	S1			
▼	ML553	280†	.200 30	1.0	125A	100	280†	100		S1		S4b	
▼	575R428H03	100†	.50□ 25	1.50△		200A	.50□	70□	150	S1		A47	
▼	575R428H09	500†	.50□ 25	1.50△		200A	.50□	315□	150	S1		A47	
▼	575R428H10	600†	.50□ 25	1.50△		200A	.50□	420□	150	S1		A47	
▼	575R570H01	140	6.0△ 25	1.50△		175	.50□	140□	150C	S1		S19a	
▼	576R068H02	3000	.15 25A		2.5	150A	.01△	3000	25A	S1		A48d	
▼	SL588	1500†	.025□ 25	1.5		175A	.20□	150		S1			
▼	KS602BA	100	6.0 150	1.2△	60	175	1.0□	100	150	S1△	∅△	D04	
▼	B603	35	.15m 25	1.0			.01	35	25	S1		A1	
▼	SLA604A	400	.40 100A	1.5	10	150A	.0015	400	25	S1		A69	
▼	SLA605A	500	.40 100A	1.5	10	150A	.002	500	25	S1		A69	
▼	CODI613	300	.75 25	.50	35	150	.001	300	25	S1		A76	
▼	CODI615	500	.75 25	.50	35	150	.001	500	25	S1		A76	

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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION		
			Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.	
			(amps)	@ T (°C)									
▼	CODI617	700	.50	25	.50	25	125	.002	700	25	S1	A76	
	CODI618	800	.50	25	.50	25	125	.002	800	25	S1	A76	
	DI645	225	.75	25	1.2	30	150	.0002	225	25	S1	A38b	
	DI646	300	.75	25	1.2	30	150	.0002	300	25	S1	A38b	
	DI647	400	.75	25	1.2	30	150	.0002	400	25	S1	A38b	
	DI648	500	.75	25	1.2	30	150	.0002	500	25	S1	A38b	
	DI649	600	.75	25	1.2	30	150	.0002	600	25	S1	A38b	
	DI650	800	.75	25	1.2	30	150	.0002	800	25	S1	A38b	
	PS674	380	.31	25	1.8			.025	380	150	S1*		
	BY704	300	6.0	150C	1.2	150	150	.50	300	150C	S1Δ	D04	
▼	CK775	42	5.0	25	1.5		160A	5.0	60*	25	S1	S29	
	CK776	140	5.0	25	1.5		160A	5.0	200*	25	S1	S29	
	BY814	300	12	150C	1.0	250	150	.20	300	150C	S1Δ	D04	
	BY815	400	12	150C	1.0	250	150	.20	400	150C	S1Δ	D04	
	BY816	500	12	150C	1.0	250	150	.20	500	150C	S1Δ	D04	
	816B520-4	300	.75	50	1.1	15	165A	.010	300	150	S1	D03	
	816B520-6	500	.75	50A	1.1	15	150A	.01	500	150	S1	D03	
	CK846	100	3.5	30	1.0	20		.002	100	25	S1Δ		
	CK847	200	3.5	30	1.0	20		.002	200	25	S1Δ		
	CK848	300	3.5	30	1.0	20		.002	300	25	S1Δ		
▼	CK849	400	3.5	30	1.0	20		.002	400	25	S1Δ		
	907D099-1	100	35	25	1.5	1700	190J	16	100	115C	S1	△	N42
	907D099-2	100	35	25	1.5	1700	190J	16	100	115C	S1	△	N42
	910D19-5	95	1.0	135	1.5	4.0	150	10	75	25	S1		S4b
	910D57-3	380	.05	150	1.0		200S	.025	380	150	S1		D07
	910D58-3	70	.05	25	1.0	.45	200S	.015	70	150	S1		A1
	911D3-3	60	.20	25	1.0		200J	.025u	60	25	S1		A1
	911D4-3	175	.20	25	1.0		200J	.025u	175	25	S1		A1
	911D5-3	380	.20	25	1.0		200J	.10u	380	25	S1		A1
	911D11-3	6.0	.10	25	1.0		200J	.10u	2.0	25	S1		A1
▼	998A562G4	100	1.0	150	2.0		150	.50	100	150	S1		
	SG1007	600†	400Ø	25A	1.0	5.0	150A	.001	600	25A	S1		D07
	AM1010	100	10	150C	1.25	150	150C	5.0	100	150C	S1		
	AG1012	100	10	150C	1.5	150	150C	1.0	100	150C	S1		D04
	TCR1020	100†	20	25C							S1	1	
	DR1100	1100	.50	25	1.0		200	.10	1100	100	S1		A1
	PS1108	6000	.03Ø	25	14	1.5	150A	.25	6000	25	S1		
	CD1123	225*	.20	25				.0002	225	25	S1		
	LT1123	2000	.25	25A			150A	.002	2000	25A	S1		
	PS1132	15000	.05Ø	25	35	2.0	175A	.025	15000	25	S1		A48j
▼	PS1147	8000	.07	25	31.5		175A				S1		A48j
	PS1148	10000	.07	25	31.5		175A				S1		A48j
	LT1223	2000	.25	25A			150A	.002	2000	25A	S1		
	LT1323	2000	.25	25A			150A	.002	2000	25A	S1		
	PS1455	15000†	.20	25	38		175A	.05	15K	100	S1		F13d
	TCR1520	150†	20	25C							S1	1	
	SCR1660	600	16	80B	.86	175	125A	3.0Ø	600	125J	S1	1	S18
	SA1733	2000	.040	85	4.0	.200	150	.015	2000	25		7♦	
	CEC1734	5000	.10	25A	6.0			.01	5000	25A	S1		A48g
	SA1734	3200	.005	2.5	1.0	.300	85J	.002	875	25.	S1		Quad
▼	SA1776	850†	.100	25	.97		125A	.020	850	125	S1		
	AM2005	200	5.0	150C	1.25	75	150C	5.0	200	150C	S1		
	HD2046	50	.090	25	1.0	.20	90	.40	50	90			
	B2200	2200	.40	25	2.0	15	25	.001	2200	25	S1Δ		
	B2201	2200	1.0	25	2.0	15	25	.001	2200	25	S1Δ		
	B2202	2200	5.0	25	2.0	20	25	.001	2200	25	S1Δ		
	PS2248	500†	.50	25			175A	.04	500	100	S1	4♦	
	HD2289	75†	.01	25	1.0			.05	50	25	Ge		
	PS2356	6000	.475	25	10		175A	.003	6000	25	S1-	♦4	M22
	CEC2385	10000	.10	25A	12			.01	10K	25A	S1		A48k
			TCR2520	250†	20	25C					S1	1	
			ED2842	225	.20	25		.015	225	100	S1		

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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current (amps) @ T (°C)	ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
				Full Load Voltage Drop (volts)	Surge Current one cycle (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
▼	ED2849	900	.20	25			.03	900	100	S1			
	MP3004	5.0	5.0		1.0		.005	5.0	25	S1	PAIR		
	BC3007	1500	.50	25	3.6	12.5	.50	1500	150	S1	Δ	A21b	
▼	TCR3020	300†	20	25C						S1	1		
	TCR3050	300†	50	90C						S1	1		
▼	3642CR	200†	1.0Ø	150C	2.0	20	175A	.50Ø	200	150C	S1		S4b
▼	S3870-42	100†	.55	50			1.0	100	100	S1	QUAD	D03	
	B4018	2000†	1.0	25	2.0	15	175S	.50	2000	100	S1Δ	A92	
	B4019	2500†	1.0	25	2.0	15	175S	.50	2500	100	S1Δ	A92	
▼	TCR4020	400†	20	25C			.50	400	100	S1	1		
▼	CEC4050	400	.50	100	1.2	60	50	.30	50†	S1			
▼	4740CR	50†	1.0Ø	100	2.0		.30	50†	100	S1		S4b	
▼	WN5051C	150†	35	140C	1.6		500	175S	20	S1	Ø	S29	
▼	WP5053B	100†	1.6	140	1.3			175S	.50	S1		S25	
▼	WP5053D	200†	1.6	140	1.3			175S	.50	S1		S25	
▼	S5054	1600	.75	25	10		100						
▼	S5055	2800	.500	25	16		100						
▼	WN5091E	250†	18	145	1.3		190J	10	250	25	S1		S29
	S5449	15000	.50	75A		10K						M65b	
▼	HD6061	60	.075	25	1.0		200A	5ua	60	150	S1		A21
▼	HD6062	175	.040	25	1.0		200A	5ua	175	150	S1		A21
▼	HD6823	200	.030	25	1.0			.10	200	25	S1		
▼	HD6834	6.0	.001	25	.725						S1		A21
	HD6861	225	.20Δ	25				.10	6.0	25			
	HD6868	900	.20Δ	25				.015Δ	225	100	S1		
								.03Δ	900	100	S1		
	7701-4	4000	.15	25A	6.0		125	.10	4000	125A	S1Δ		
	7701-6	6000	.10	25A	9.0		125	.10	6000	125A	S1Δ		
	7701-8	8000	.075	25A	12		125	.10	8000	125A	S1Δ		
	7701-10A	10000	.075	25A	15		125	.10	10K125A	S1Δ			
	7702-3A	3000	.50	25A	8.0	6.0	125	.10	3000	125A	S1Δ	6♦	
	7703-2	2000	1.0	25A	8.0	8.0	125	.10	2000	150A	S1Δ	6♦	
	7704-3A	3000	.50	25A	12	4.0	125A	.10	3000	125A	S1Δ	6♦	
	7704-5	5000	.50	25A	18	4.0	125A	.10	5000	125A	S1Δ	6♦	
	7704-6A	6000	.50	25A	18	4.0	125A	.10	6000	125A	S1Δ	6♦	
	7704-8	8000	.50	25A	24	4.0	125A	.10	8000	125A	S1Δ	6♦	
	7704-9	9000	.50	25A	30	4.0	125A	.10	9000	125A	S1Δ	6♦	
	7705-2	2000	1.0	25A	4.0	7.0	125	.10	2000	125A	S1Δ	5♦	
	7706-3A	3000	.50	25A	6.0	4.0	125	.10	3000	125A	S1Δ	5♦	
	7706-5	5000	.50	25A	9.0	4.0	125	.10	5000	125A	S1Δ	5♦	
	7706-6	6000	.50	25A	9.0	4.0	125	.10	6000	125A	S1Δ	5♦	
	7706-8	8000	.50	25A	12	4.0	125	.10	8000	125A	S1Δ	5♦	
	7706-9	9000	.50	25A	15	4.0	125	.10	9000	125A	S1Δ	5♦	
	7707-2	2000	1.0	25A	8.0	7.0	125A	.10	2000	125A	S1Δ	7♦	
	7708-3	3000	.50	25A	12	4.0	125A	.10	3000	125A	S1Δ	7♦	
	7708-5	5000	.50	25A	18	4.0	125A	.10	5000	125A	S1Δ	7♦	
	7708-6	6000	.50	25A	18	4.0	125A	.10	6000	125A	S1Δ	7♦	
	7708-8	8000	.50	25A	24	4.0	125A	.10	8000	125A	S1Δ	7♦	
	7708-9	9000	.50	25A	30	4.0	125A	.10	9000	125A	S1Δ	7♦	
	7709-2	2000	1.0	25A	4.0	7.0	125	.10	2000	125A	S1Δ	8♦	
	7710-3	3000	.50	25A	6.0	4.0	125	.10	3000	125A	S1Δ	8♦	
	7710-5	5000	.50	25A	9.0	4.0	125	.10	5000	125A	S1Δ	8♦	
	7710-6	6000	.50	25A	9.0	4.0	125	.10	6000	125A	S1Δ	8♦	
	7710-8	8000	.50	25A	10	4.0	125	.10	8000	125A	S1Δ	8♦	
	7710-9	9000	.50	25A	15	4.0	125	.10	8000	125A	S1Δ	8♦	
	7711-3	3000	.50	25A	6.0	4.0	125	.10	3000	125A	S1Δ	10♦	
	7711-5	5000	.50	25A	10	4.0	125	.10	5000	125A	S1Δ	10♦	
	7711-6	6000	.50	25A	12	4.0	125	.10	6000	125A	S1Δ	10♦	
	7711-8	8000	.50	25A	16	4.0	125	.10	8000	125A	S1Δ	10♦	
	7711-9	9000	.50	25A	18	4.0	125	.10	9000	125A	S1Δ	10♦	
	7712-6	6000	.25	25A	9.0	2.0	125	.10	6000	125A	S1Δ	10♦	
	7712-8	8000	.25	25A	12	2.0	125	.10	8000	125A	S1Δ	10♦	
	7713-3	3000	.50	25A	6.0	4.0	125	.10	3000	125	S1Δ	♦	
	7713-6	6000	.50	25A	12	4.0	125	.10	6000	125	S1Δ	♦	
	7713-8	8000	.50	25A	16	4.0	125	.10	8000	125	S1Δ	♦	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
▼	7713-9	9000	.50	25A	18	4.0	125	.10	9000	125	S1Δ	♦		
▼	7713-10	10000	.50	25A	20	4.0	125	.10	10K	125	S1Δ	♦		
▼	CEC8050	800	.50	100	1.2	60	50	.50	800	100	S1			
▼	HR10213	275	.15	25		1.5	150	200	300	25	S1			
▼	HR10215	375	.15	25		1.5	150	200	400	25	S1			
▼	HR10217	325	.225	25	1.0	1.5	150A	25	275	100	S1			
▼	HR10251	175	.20	25		2.0	150	200	200	25	S1			
▼	HR10252	225	.20	25		2.0	150	200	250	25	S1			
▼	HR10254	325	.20	25		2.0	150	200	350	25	S1			
▼	HR10314	775	.20	25	2.0	100	200		800	25	S1			
▼	HR10317	550	.30	25	1.0	1.5	125A	.35	555	125	S1			
▼	10616	100†	50Ø	150C	1.5		175	15Ø	150	A	S1		N29	
▼	HR10745	200	1.5Ø	135C	1.5	15	150	.20	200	25	S1Δ			
▼	A15751-1	175†	.04		1.5		200	.001	175	25	S1		A1	
▼	GA53541L1	1500	.05	25			160A				S1			
▼	CE78806	400	.75	55	1.0		150	1.0	400	25	S1		A6b	
▼	A19932-7	500†	3.0Δ	150C	1.2	18	150C	10	500	150C	S1		S19	
▼	40212	400	18	150C	.65	250	175A	2.0	400	150	S1Δ		S29	
▼	45288-305	380	.20	25	1.0	.45Ø	200S	.10	380	25	S1	♦	A21	
▼	GA53461	110†	100Δ	25	1.35	500	85A	.025	25Δ	25A	GeØ		A100	
▼	GA53541L1	1500†	.05	25	8.0		75S	.001	1500	25	S1			
▼	B94067	1600	.75	25									♦ 8 PIN TUBE	
▼	B94327	100	4.0	1.5	1.5									
▼	A100583	120†	6.0Δ	150C									D04	
▼	103841A	1500†	20Ø	80										
▼	167384	300†	400Ø	25	1.0	3.0	150	.0002	300†	25	S1		A1	
▼	180653	225†	400Ø	25A	1.0	3.0	150	.015	225	100A	S1		A1	
▼	180654	400†	400Ø	25A	1.0	3.0	150	.020	400	100A	S1		A1	
▼	180655	500†	400Ø	25A	1.0	3.0	150	.020	500	100A	S1		A1	
▼	193517	9000†	.10	125A	25	2.0	125A	.025	9000	25	S1		N52	
▼	194009-1	8000†	.50Ø	25A	20	2.5	150A	.10	8000	100A	S1Δ		A48b	
▼	C248456-1	5500	.025Δ	90		2.0	105A	.025	5000	25	S1		4 Pin Tube	
▼	461049-1	150	.15	25	1.1		150A	.10u	150	25	S1		A1	
▼	461049-5	350	.15	25	1.1		150A	.10u	350	25	S1		A1	
▼	461049-6	400	.15	25	1.1		150A	.10u	400	25	S1		A1	
▼	488231	1000	.25	100A	1.75	2.0	150A	.02	1000	25	S1		A6	
▼	500674	600†	.200	100	1.5	45	125	.30	600	100	S1		D04	
▼	617834-12	225†	.40	25A	1.0		150A	.015	225	100A	S1		A38	
▼	720660-14	400†	6.0	25	1.2		150S	.50	400	150	S1		S35	
▼	720660-21	100†	240Ø	25	1.05		200S	.50	100	190	S1		S14f	
▼	720680-5	4000†	.15	25	18		150J	.10	4000	100	S1		A48e	
▼	720680-6	6000†	.10	25	27		150A	.10	6000	100A	S1		A48g	
▼	720680-9	2000	.20	25		2.5	150A	.01Δ	2000	25	S1		A48d	
▼	720699-107	10	.50*	25	1.0	1.0	150A	.001	5.0	25	N		A46	
▼	720699-108	500	16	25	1.7		150S	6.0	400	25	S1	1	T048	
▼	720699-109	250	10	25	2.0		100	125S	8.0	250	S1	1	S18	
▼	720699-110	300	50	25	1.5		1000	125S	10	300	S1	1		
▼	895083	1500†	.30	25	15	7.0	150	.05	1500	25A	A	S1	S24a	
▼	V901468A	130†	.0375	25				.080	80		Ge		A111	
▼	908696-01	60	1.0	25		15	150J	3.0		100	S1	1		
▼	925008-39	150	.15	25	1.0		125J	.10u	150	25	S1		A1	
▼	925250-1	125	.20	25	1.0	1.5	200S	3.0	125	85	S1		A23	
▼	941259-501	150						.050	100	85	S1			
▼	970003-501	100	.003	25	1.0			.05	100	25	S1			
▼	1021105-4	3000	.150Ø	25	12	2.5	25	.010	3000	100	Ge		A48c	
▼	1054499	5000Ø	.30	.10		3.0				100	S1	1	7 ♦ 4 Pin Tube	
▼	1060468-3	100	16	25	1.7		150	12	100	125	S1	1	S18	
▼	1105445-9	300†	3.0Ø	150C	1.5		175A	.50Ø		150	S1		N43	
▼	1111431	150†	35	135	.90		190J	20	150	25	S1		S29	
▼	1286572-1	180	.200	25	1.0	2.0	200	.005	175	150	A		A1	
▼	1293411-1	70	.200	25	1.0	2.0	150	.005	60	150			A1	
▼	1485544-1	30†	.075	25	1.1		150J	.050	30	25	S1	QUAD	A1	
▼	1583967	150	.150	85A	1.25		150J	.0035	150	25			A111	

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.
 ☐ - MECHANICAL AND ENVIRONMENTAL TEST.
 ♦ - PREFERRED TYPE - MIL-STD 701

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12. RECTIFIERS

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current (amps) @ T (°C)	ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
				Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I _b (ma)	@ E _b (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
				(amps)	@ T (°C)								
▼	1616993-1	200†	22 25	1.2 at 10	Amp.					S1			S29
▼	1651384-3	100†	.15 55	.22	25	105S	2.7	100S	55	Ge			A72
▼	1661298	50	16 80B	.86	150	125A	6.5Ø	50		S1	1		S18
▼	1669082	500†	.875 50A	1.0		150A	1.5	500	125	N	S1		A34b
▼Ø	1679527	580†	.10 25	1.5	2.0	100	1.0ua	500	25	S1			A53
▼	1687283	20†	.020 70	1.0			.10	20	70	S1			A21
▼	1778936	225	.40 25	1.0		3.0	150A	.20ua	225	25	S1	3	A1
▼	1787558-1	70†	.075 25	.68	.60	150J	.100	70	150	S1	PAIR		A1
▼Ø	1876828	6.0	2.0 75	1.0	6.0	125	.025	2.0	25	S1			S19a
▼Ø	1877879	100	45 150	1.5		175	5.0	100	150	S1			
▼	1979925	200†	.30 25	.70		10	85J	.050	150	25	Ge		A34a
▼Ø	1980415	100†	1.0 100C	2.0		6.0	125S	.30	100	25	S1		S19
▼Ø	1991453	150	.025 25	1.0		150	.10	1500	25	S1			A8a
▼Ø	2002993	280Ø	2.4 55	2.0		3.0	150	1.5	400	25	S1		S11a
▼Ø	2003092	6.0	2.0 75			6.0	125A			S1			D04
▼Ø	2015993	400	12 150	.55	240 200		1.0	200†	100	S1			S26
▼	2016286-2	250†	.310 25	1.8			.025	250	150	S1			A1
▼	2016286-3	420†	.310 25	1.8			.025	420	150	S1			A1
▼	2016337-1	200†	.50 25	1.5			.50Ø	140Ø	150	S1			A47
▼	2016492-1	600†	.30 25	2.0			.30	420	125	S1			A31
▼	2016730-1	600†	1.0 100	1.0		200J	.20	420	150	S1			A84
▼	2016730-2	400†	1.0 100	1.0		200J	.20	280	150	S1			A84
▼Ø	2019620-1	175†	.040 25		.40	200S	.025ua	175	25	S1	QUAD		A1
▼Ø	2019620-2	175†	.040 25		.40	200S	.025ua	175	25	S1	QUAD		A1
▼Ø	2019620-3	175†	.040 25		.40	200S	.025ua	175	25	S1	QUAD		A1
▼	2028462	200	.75Δ 25	.60		25	100	.20	200	100A	S1Δ		A3c
▼Ø	2029164	50†	22Ø 150	1.2	100	200J	5.0	50	175C	S1			S29
▼Ø	2030934	70Ø	1.6 25	2.0		150	.50	108†	25	S1			S11a
▼Ø	2030939	35Ø	5.0 25	1.5		150	.50	108†	25	S1			S19a
▼Ø	2030957	210Ø	4.8 55	1.25	40	150	.30	300	25	S1			S11a
▼Ø	2031030	350Ø	2.4 55	2.0		30	150	1.5	500	25	S1		S11a
▼Ø	2031031	210Ø	1.5 55	2.0		15	150	1.5	300	25	S1		S11a
▼Ø	2031057	35Ø	5.0 55	1.5		150	.50	50	125	S1			S19a
▼Ø	2031154	35	12 55	1.5		125	150A	.50	100	25	S1	9♦	S19a
▼	2031751	35Ø	8.0 55	1.5		75	150	.50	35Ø	25	S1	9♦	D04
▼Ø	2041929	200†	20 150C	1.5		90	175	5.0Ø	200	150C	S1		D05
▼	2042174-4	400†	1.0Ø 25A	1.2Δ	70	170J	.50Ø	400	25	S1			N2
▼	2042830-1	50†	3.0 150C	1.5	15	150C	.50	50	150C	S1			S26
▼	2059880	600†	12 150C	1.2		175S	3.0Ø	600	150C	S1			S28
▼Ø	2072019	400	25 25	1.5	50	175C	5.0	400	150	S1			S29
▼Ø	2072228	50	37 65C	1.5		175C	5.0	50	150	S1			D05
▼Ø	2072233	50	10 35C	1.5		175C	.50	50	25	S1			D04
▼Ø	2094056	600	750 25	1.0	15	200	.005	600	25	S1			A84
▼Ø	2157083-1	100†	.750 50A	1.5	15	175J	.30ua	100	25	S1			A34a
▼Ø	2157095-1	100†	3.0 150C	1.5		175J	.50Ø	70	150J	S1			S26
▼Ø	2183182	85†	200			160J				S1			A6a
▼Ø	2183190	100	6.0Ø 150C	1.1Ø	150	190J	10*	100	25	S1			S26
▼Ø	2222636	100†	1.0 135C		4.0	135J	.30	100	135C	S1			S26
▼	2262264-5	500	.75 50	1.1Δ	30	175A	.50	500	150A	S1			A31a
▼	2262389-8	280Ø	22 25A	1.1Δ		165	10.0	280Ø	165	S1			N37
▼Ø	2262669-2	75	4.7 25	.75	60	150J	4.5	75	25	S1	1		S17
▼Ø	2268525	1000†	.400 25	2.0	15		.001	1000	25	S1			A41
▼	2350343-1	210	1.0 55								7♦		
▼	2353315-002	50	10 25	1.25	125	125S	19Ø	50	25	S1	1		T048
▼	3000747	1600	.60 25			100A							8 Pin Tube
▼	7434819P-1	70Ø	3.10 35	2.0		20	175	.20	100†	150C	S1		S4a
▼	7434819P-2	70Ø	3.10 35	2.0		20	175	.20	100†	150C	S1		S4a
▼Ø	7901085-001	36†	.200 25	1.0		2.0	200	.015	30	150	S1		A1
▼	8938196-1	1200	.040 25	6.0		.500	150	15	600	100	S1	7	A48d
▼	8939921-1	300	25 25			300		6.0	300	25		5♦	D05
▼	A32113543	1000†	.10 100	5.0			.010	1000	25	S1			A48c
▼	32113544	4500†	.05 100	18	3.0		.01	4500	25	S1			A48f
▼	B43000065	250	160Ø 150C	.60	2000	190	40	250	190	S1			S8b

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

Ø - MECHANICAL AND ENVIRONMENTAL TEST.

♦ - PREFERRED TYPE - MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ Iz (ma)	Z (ohms)	@ Iz (ma)				S T A T U S	MAT.	DWG. No.
▼	1/4M2.4AZ	1.92	2.88	20Ø	10	60	10	250	.075	175J	S1*	A22a	
▼	1/4M3.0AZ	2.4	3.6	20Ø	10	55	10	250	.07	175J	S1*	A22a	
▼	1/4M6.8Z5	6.46	7.14	5.0	9.2	7.0	5.0	250	.04	175	S1	A21	
▼	1/4M7.5Z5	7.125	7.875	5.0	8.3	8.0	8.3	250	.045	175	S1	A21	
▼	1/4M10Z5	9.5	10.5	5.0	6.3	11	6.3	250	.055	175	S1	A21	
▼	1/4M11Z	9.6	14.4	20Ø	5.2	15	5.2	250	.065	175J	S1	A22a	
▼	1/4M12Z5	11.4	12.60	5.0	5.2	15	5.2	250	.065	175	S1	A21	
▼	1/4M15Z	12	18	20Ø	4.2	22	4.2	250	.070	175J	S1	A22a	
▼	1/4M17Z5	16.25	17.75	5.0	3.7	26	3.7	250	.075	175	S1	A21	
▼	1/4M24Z5	22.8	25.2	5.0	2.6	46	2.6	250	.08	175	S1	A21	
▼	1/4M33Z5	31.35	34.65	5.0	1.9	85	1.9	250	.085	175	S1	A21	
▼	3/4M27Z	21.6	32.4	20Ø	9.5	35	9.5	750	.085	175C	S1	A31a	
▼	3/4M140Z5	133	147	5.0	1.8	900	1.8	750	.095	175	S1	A31a	
▼	3/4M175Z5	166.25	183.75	5.0	1.4	1200	1.4	750	.095	175	S1	A31a	
▼	3/4Z27D	21.6	32.4	20Ø	9.5	35	9.5	750	.085	175J	S1Δ	A31a	
	1C30Z	27	33	10Ø	15	28	15	1000		175A	S1Δ	A21c	
	1C68Z	61.2	74.8	10Ø	5.0	125	5.0	1000		175A	S1Δ	A21c	
	1C110Z	99	121	10Ø	5.0	320	5.0	1000		175A	S1Δ	A21c	
	1C130Z	117	143	10Ø	5.0	450	5.0	1000		175A	S1Δ	A21c	
	1C180Z	162	198	10Ø	5.0	900	5.0	1000		175A	S1Δ	A21c	
	1EZ5.6T10	5.04	6.12	10Ø	35	5.5	35	1000	.03	130A	S1	A35a	
	1EZ6.8T10	6.12	7.48	10Ø	30	1.6	30	1000	.05	130A	S1	A35a	
	1EZ27T10	24.3	29.7	10Ø	7.0	28	7.0	1000	.095	130A	S1	A35a	
▼	1JC7877H07	76.0	84.0	5.0	.20						S1	C1	
▼	1JC7877H11	19.0	21.0	5.0	.20						S1	C1	
▼	1JC7877H15	25.6	28.4	5.0	1.0						S1	C1	
▼	1JC7877H22	27.6	30.5	5.0	1.0						S1	C1	
▼	1M15Z10	13.5	16.5	10	17	14	17	1W	.070	175J	S1	DO1	
▼	1M16Z10	14.4	17.6	10	15.5	16	15.5	1000	.075	175	S1	DO7	
▼	1M39Z5	37	41	5.0	6.5	60	6.5	1W	.090	175J	S1	DO1	
▼	1M62Z	50.6	74.4	20	4.0	125	4.0	1W	.090	175J	S1	DO1	
▼	1M75Z5	71.25	78.75	5.0	3.3	175	3.3	1W	.090	175J	S1	DO1	
▼	1M100Z5	95	105	5.0	2.5	350	2.5	1W	.090	175J	S1	DO1	
▼	1M120Z5	116	126	5.0	2.0	550	2.0	1W	.095	175J	S1	DO1	
▼	1M120Z10	108	132	10	2.0	550	2.0	1W	.095	175J	S1	DO1	
▼	1N225 Ø	7.5	10	10	.20			150		150A	S1*	C1	
▼	1N225-2	8.645	9.555	5.0	.200			400		200	S1		
▼	1N225A	7.71	9.19	5.0	.20			150		150S	S1	C1	
▼	1N226 Ø	9.0	12	10	.20			150		150A	S1*	C1	
▼	1N227 Ø	11	14.5	10	.20			150		150A	S1*	C1	
▼	1N228 Ø	13.5	18	15	.20			150		150A	S1*	C1	
▼	1N228-2	14.25	15.75	5.0	.20			150		150A	S1	C1	
▼	1N228A	14.96	16.54	5.0	.20			150		150S	S1	C1	
▼	1N229	17	21	10	.20			150		150A	S1*	C1	
▼	1N229-2	16.62	18.38	5.0	.20			150		150A	S1	C1	
▼	1N230 Ø	20	27	15	.20			150		150A	S1*	C1	
▼	1N231 Ø	25	32	13	.20			150		150A	S1*	C1	
▼	1N232 Ø	30	39	13	.20			150		150A	S1*	C1	
▼	1N233 Ø	37	45	10	.20			150		150A	S1*	C1	
▼	1N234	43	54	10Ø	.20					200A	S1	C1b	
▼	1N235	52	64	10Ø	.20					200A	S1	C1b	
	1N236	62	80	10	.20			150		150A	S1	C1b	
	1N239	110	145	10	.20			150		150A	S1	C1b	
▼	1N429	5.9	6.5	5.0	7.5	20	7.5	250	.01	150A	F	S1*	C1
▼	USA1N429	5.9	6.5	5.0	7.5	20	7.5	200		200A	F	S1	C1
▼	1N430	8.0	8.8	5.0	10	15	10	250	.014	150A	N	S1*	S20
▼	1N430A	8.0	8.8	5.0	10	15	10	250	.007	150A		S1*	S20
▼	1N430B	8.0	8.8	5.0	10	15	10	250	.011	150A		S1*	S20
▼	1N436	3.6	4.4	10	25						S1		
▼	1N440-ZA8	130	150	10.0				150			S1	A5	
▼	1N465	2.0	3.2	20Ø	5.0	60	10	200		200A	S1*	C1	
▼	1N465A	2.47	2.73	5.0	5.0	60	10	250		200A	S1		
▼	1N465A2.1V	2.34	2.86	5.0	10	60	10	200		200A	S1	C1	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

SEE BACK COVER

for

EXPLANATION of SYMBOLS.

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP.	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
▼	1N466	3.0	3.9	10Ø	5.0	55	10	200		200A	S1*	C1	
▼	1N467	3.7	4.5	10Ø	5.0	45	10	200		200A	S1*	C1	
▼	1N467-3	3.92	4.08	2.0	5.0	45	10	200		200A	S1	C1	
▼	1N467-7	2.5	3.4	15	.20	45	10	200		200	S1	C1	
▼	1N468	4.3	5.4	10Ø	5.0	35	10	200		200A	S1*	C1	
▼	1N468A	4.31	4.77	5.0	5.0	35	10	200		200A	S1*	C1	
▼	1N469	5.2	6.4	10Ø	5.0	20	10	200		200A	S1*	C1	
▼	1N469A	5.51	6.09	5.0	5.0	20	10	200		200A	S1*	C1	
▼	1N470	6.2	8.0	10Ø	5.0	10	10	200		200A	S1*	C1	
▼	1N470A	6.75	7.45	5.0	5.0	10	10	200		200A	S1*	C1	
▼	1N471 Ø	3.0	3.9	10	5.0	65	10	200		200A	S1*	C1	
▼	1N471A	3.23	3.67	5.0	5.0	65	10	200		200A	S1	D07	
▼	1N471A-3V	3.27	3.63	5.0	5.0	65	10	200		200A	S1	C1	
▼	1N472 Ø	3.7	4.5	10	5.0	60	10	200		200A	S1*	C1	
▼	1N473 Ø	4.3	5.4	10	5.0	50	10	200		200A	S1*	C1	
▼	1N473A	4.31	4.77	5.0	5.0	50	10	200		200A	S1*	C1	
▼	1N474 Ø	5.2	6.4	10	5.0	40	10	200		200A	S1*	C1	
▼	1N474A6-2V	5.51	6.09	5.0	5.0	40	10	200		200A	S1	C1	
▼	1N475 Ø	6.2	8.0	10	5.0	25	10	200		200A	S1*	C1	
▼	1N664	7.8	8.6	5.0	10	7.0	10	400	.05	200	AR	S1	A87
▼	1N665	11.4	12.6	5.0	10	10	10	400	.06	200	R	S1	A87
▼	1N666	14.2	15.8	5.0	5.0	24	5.0	400	.07	200	AR	S1	A87
▼	1N668	20.9	23.1	5.0	5.0	30	5.0	400	.08	200	AR	S1	A87
▼	1N669	25.6	28.4	5.0	5.0	35	5.0	400	.085	200	AR	S1	A87
▼	USA1N669	25.6	28.4	5.0	5.0	35	5.0	400	.085	200	AR	S1	A87
▼	1N670	64.6	71.4	5.0	1.0	290	1.0	400	.09	200	AR	S1	A87
▼	1N672	145	158	5.0	1.0	1K	1.0	400	.10	200	AR	S1	
▼	1N674	4.47	4.93	5.0	20	16	20	400	.03	200	AR	S1	
▼	1N675	5.9	6.5	5.0	20	3.0	20	400	.03	200	AR	S1	
▼	1N701	9.5	10.5	5.0	10	9.0	10	400	.055	200	AR	S1	
▼	1N702	2.0	3.2	20Ø	5.0	60	10	200		200A	S1*	D07	
▼	1N702A	2.47	2.73	5.0	5.0	60	10	200		200A	S1*	D07	
▼	1N703	3.0	3.9	10Ø	5.0	55	10	200		200A	S1	D07	
▼	1N703A	3.28	3.62	5.0	5.0	55	10	200		200A	S1*	D07	
▼	1N704	3.7	4.5	10Ø	5.0	45	10	200		200A	S1*	D07	
▼	1N704A	3.77	4.13	5.0	5.0	45	10	200		200A	S1	D07	
▼	1N705	4.3	5.4	10Ø	5.0	35	10	200		200A	S1*	D07	
▼	1N705A	3.90	4.30	5.0	5.0	45	10	200		200A	S1*	D07	
▼	1N706	5.2	6.4	10Ø	5.0	20	10	200		200A	S1*	D07	
▼	1N706A	5.56	6.04	5.0	5.0	20	10	200		200A	S1	D07	
▼	1N707	6.2	8.0	10Ø	5.0	10	10	200		200A	S1*	D07	
▼	1N708	5.0	6.2	10Ø	25	3.6	25	250		175A	S1Δ	A21	
▼	1N709	5.6	6.8	10Ø	25	4.1	25	250		175A	S1Δ	D07	
▼	1N709A	5.89	6.51	5.0	25	4.1	25	250		175A	S1Δ	D07	
▼	1N712	7.4	9.0	10Ø	25	6.0	25	250		175A	S1Δ	D07	
▼	1N712A	7.79	8.61	5.0	25	6.0	25	500		200S	S1	D07	
▼	1N713	8.2	10	10Ø	12	7.0	12	250		175A	S1Δ	D07	
▼	1N714	9.0	11	10Ø	12	8.0	12	250		175A	S1Δ	D07	
▼	1N714A	9.5	10.5	5.0	12	8.0	12	500		200S	S1	D07	
▼	1N715A	10.5	11.5	5.0	12	9.0	12	500		200S	S1	D07	
▼	1N716	10.8	13.2	10Ø	12	10	12	250		175A	S1Δ	D07	
▼	USA1N716	10.8	13.2	10	12	10	12	500		200S	S1	D07	
▼	1N716A	11.4	12.6	5.0	12	10	12	250		175A	S1Δ	D07	
▼	1N717A	12.4	13.6	5.0	12	11	12	500		200S	S1	D07	
▼	1N718	13.5	16.5	10Ø	12	13	12	250		175A	A	S1Δ	D07
▼	1N718A	14.25	15.75	5.0	12	13	12	250		175A	S1Δ	D07	
▼	1N719	14.4	17.6	10Ø	12	15	12	250		175A	S1Δ	D07	
▼	1N719A	13.84	15.28	5.0	12	15	12	250		175A	S1Δ	D07	
▼	1N720	16.2	19.8	10Ø	12	17	12	250		175A	A	S1Δ	D07
▼	1N720A	17.1	18.9	5.0	12	17	12	250		175A	S1Δ	D07	
▼	1N721	18	22	10Ø	4.0	20	4.0	250		175A	S1Δ	D07	
▼	1N721A	19	21	5.0	4.0	20	4.0	250		175A	S1Δ	D07	
▼	1N722	19.8	24.2	10Ø	4.0	24	4.0	250		175A	A	S1Δ	D07

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
 — MECHANICAL AND ENVIRONMENTAL TEST.
 — PREFERRED TYPE — MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP.	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
▼	1N722A	20.9	23.1	5.0	4.0	24	4.0	500		200S	S1	D07	
▼	1N723A	22.8	25.2	5.0	4.0	28	4.0	500		200S	S1	D07	
▼	1N724	24.3	29.7	10Ø	4.0	35	4.0	250		175A	S1Δ	D07	
▼	1N724A	25.7	28.3	5.0	4.0	35	4.0	500		200S	S1	D07	
▼	1N725	27	33	10Ø	4.0	42	4.0	250		175A	S1Δ	D07	
▼	1N725A	28.5	31.5	5.0	4.0	42	4.0	250		175A	S1	D07	
▼	1N726	29.7	36.3	10Ø	4.0	50	4.0	250		175A	S1Δ	D07	
▼	1N726A	31.4	34.7	5.0	4.0	50	4.0	250		175A	S1Δ	D07	
▼	1N727A	34.2	37.8	5.0	4.0	60	4.0	500		200S	S1	D07	
▼	1N729A	40.9	45.1	5.0	4.0	84	4.0	500		200S	S1	D07	
▼	1N730	42.3	51.7	10Ø	4.0	98	4.0	250		175A	S1Δ	D07	
▼	1N731	45.9	56.1	10Ø	4.0	115	4.0	250		175A	S1Δ	D07	
▼	1N731A	48.5	53.5	5.0	4.0	115	4.0	250		175A	S1Δ	D07	
▼	1N732A	53.2	58.8	5.0	4.0	140	4.0	500		200S	S1	D07	
▼	1N733	55.8	68.2	10Ø	2.0	170	2.0	250		175A	S1Δ	D07	
▼	1N734	61.2	74.8	10Ø	2.0	200	2.0	250		175A	S1Δ	D07	
▼	1N735A	71.2	78.7	5.0	2.0	240	2.0	250		175A	S1Δ	D07	
▼	1N736	73.8	90.2	10Ø	2.0	280	2.0	250		175A	S1Δ	D07	
▼	1N737	81.9	100	10Ø	1.0	340	1.0	250		175A	S1Δ	D07	
▼	1N738A	95	105	5.0	1.0	400	1.0	500		200S	S1	D07	
▼	1N739	99	121	10Ø	1.0	490	1.0	250		175A	S1Δ	D07	
▼	1N740A	114	126	5.0	1.0	570	1.0	500		200S	S1	D07	
▼	1N742	135	165	10Ø	1.0	860	1.0	250		175A	S1Δ	D07	
▼	1N746A	3.135	3.465	5.0	30	28	30	400		200J	N	A1	
▼♦	USN1N746A	3.14	3.46	5.0	20	24	20	400	± .065	175J	N	A1	
▼	1N747A	3.42	3.78	5.0	20	24	20	400	.055	175A	N	A1	
♦	USN1N747AM	3.42	3.78	5.0	20	22	20	400	± .061	175J	N	A1	
▼	1N748	3.51	4.29	10	20	23	20	400	.049	175A	N	A1	
▼	1N748A	3.71	4.10	5.0	20	23	20	400	.049	175A	N	A1	
♦	USN1N748AM	3.71	4.09	5.0	20	20	20	400	± .059	175J	N	A1	
▼	1N749	3.88	4.73	10	20	22	20	400	.036	175A	N	A1	
▼	1N749A	4.09	4.52	5.0	20	22	20	400	.036	175A	N	A1	
♦	USN1N749AM	4.09	4.51	5.0	20	18	20	400	± .053	175J	N	A1	
▼	1N750A	4.47	4.94	5.0	20	19	20	400	.018	175A	N	A1	
▼♦	USN1N750A	4.47	4.93	5.0	20	16	20	400	± .043	175J	N	A1	
▼	1N751	4.59	5.61	10	20	17	20	400	.008	175A	N	A1	
▼	1N751A	4.85	5.36	5.0	20	17	20	400	.008	175A	N	A1	
▼♦	USN1N751AM	4.85	5.35	5.0	20	14	20	400	± .028	175J	N	A1	
▼	1N752	5.04	6.16	10	20	11	20	400	.006	175A	N	A1	
▼♦	USN1N752A	5.32	5.88	5.0	20	8.0	20	400	± .015	175J	N	A1	
▼	1N753	5.58	6.82	10	20	20	20	400	.022	175A	N	A1	
▼	1N753A	5.89	6.51	5.0	20	7.0	20	400	.022	175A	N	A1	
▼	1N754A	6.46	7.14	5.0	20	5.0	20	400	.035	175A	N	A1	
▼♦	USN1N754A	6.46	7.14	5.0	20	3.0	20	400	± .045	175J	N	A1	
▼	1N755A	7.1	7.88	5.0	20	6.0	20	400	.045	175A	N	A1	
▼♦	USN1N755A	7.14	7.87	5.0	20	4.0	20	400	± .052	175J	N	A1	
▼	1N756	7.38	9.02	10	20	8.0	20	400	.052	175A	N	A1	
▼	1N756A	7.79	8.61	5.0	20	8.0	20	400	.052	175A	N	A1	
♦	USN1N756AM	7.79	8.61	5.0	20	5.0	20	400	± .058	175J	N	A1	
▼	1N757A	8.65	9.56	5.0	20	10	20	400	.056	175A	N	A1	
▼♦	USN1N757A	8.65	9.55	5.0	20	6.0	20	400	± .062	175J	N	A1	
▼	1N758	9.0	11	10	20	17	20	400	.060	175A	N	A1	
▼	1N758A	9.5	10.5	5.0	20	17	20	400	.060	175A	N	A1	
▼♦	USN1N758A	9.50	10.50	5.0	20	7.0	20	400	± .068	175J	N	A1	
▼	1N759	10.8	13.2	10	20	30	20	400	.060	175A	N	A1	
▼	1N759A	10.9	13.1	5.0	20	30	20	400		200J	N	A1	
▼♦	USN1N759A	11.40	12.60	5.0	20	10	20	400	± .075	175J	N	A1	
▼	1N761	4.3	5.4	10	10	55	10	250	.00	150	S1	D07	
▼	1N762	5.2	6.4	10	10	20	10	250	.015	150	S1	D07	
▼	1N762A	5.51	6.09	5.0	10	20	10	250	.015	150	S1	D07	
▼	1N763	6.2	8.0	10	10	8.0	10	250	.014	150	S1	D07	
▼	1N763A	6.7	7.5	5.0	10	8.0	10	250	.014	150	S1Δ	D07	
▼	1N764	7.5	10	10	10	15	10	250	.055	150	S1	D07	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

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♦ — PREFERRED TYPE — MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP.	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
▼	1N764A	8.3	9.3	5.0	10	15	10	250	.055	150	S1Δ		
	1N765	9.0	12	10	5.0	50	5.0	250	.065	150	S1	D07	
	1N765A	10	11	5.0	5.0	50	5.0	250	.065	150	S1	D07	
▼	1N766	11	14.5	10	5.0	70	5.0	250	.07	150	S1	D07	
	1N766A	12.2	13.4	5.0	5.0	70	5.0	250	.07	150	S1Δ	D07	
▼	1N767	13.5	18	15	5.0	120	5.0	250	.075	150	S1	D07	
	1N767A	15	16.6	5.0	5.0	120	5.0	250	.075	150	S1Δ	D07	
	1N768	17	21	10	5.0	200	5.0	250	.08	150	S1	D07	
▼	1N768A	18	20	5.0	5.0	200	5.0	250	.08	150	S1Δ	D07	
	1N769	20	27	15	5.0	300	5.0	250	.085	150	S1	D07	
	1N769A	22.3	24.7	5.0	5.0	300	5.0	250	.085	150	S1Δ		
▼	1N816	.576	.704	10	1.0	50	1.0		.032	150A	S1	D07	
▼	1N821	5.9	6.5	5.0	7.5	15	7.5	250	.01	125	N	S1	D07
♦	USN1N821	5.90	6.50	5.0	7.5	15	7.5	250	.01	200J	N	S1	D07
	1N821A	5.9	6.5	5.0	7.5	10	7.5	400	.01	100	S1	D07	
▼	1N822 Ø	5.9	6.5	5.0	7.5	15	7.5	250	.01	125	S1	D07	
	1N823	5.9	6.5	5.0	7.5	15	7.5	250	.005	125	N	S1	D07
♦	USN1N823	5.90	6.50	5.0	7.5	15	7.5	250	.005	200J	N	S1	D07
	1N823A	5.9	6.5	5.0	7.5	10	7.5	400	.005	100	S1	D07	
▼	1N824 Ø	5.9	6.5	5.0	7.5	15	7.5	250	.005	125	S1	D07	
	1N825	5.9	6.5	5.0	7.5	15	7.5	250	.002	125	S1	D07	
	1N825A	5.9	6.5	5.0	7.5	10	7.5	400	.002	100	S1	D07	
	1N826	5.9	6.5	5.0	7.5	15	7.5	250	.001	125	S1	D07	
▼	1N827	5.9	6.5	5.0	7.5	15	7.5		.001	125	N	S1	
♦	USN1N827	5.90	6.50	5.0	7.5	15	7.5	250	.001	200J	N	S1	D07
	1N827A	5.9	6.5	5.0	7.5	10	7.5	400	.001	100	S1	D07	
	1N912	.558	.682	10Δ	1.0	60	1.0	500			S1		
	1N912A	.589	.651	5.0	1.0	60	1.0	500			S1	D07	
	1N912M	.558	.682	10Ø	1.0	60	1.0	300		200	S1	A2a	
	1N913	.558	.682	10Δ	5.0	60	1.0	500			S1		
	1N913A	.589	.651	5.0	5.0	60	1.0	500			S1	D07	
	1N913M	.558	.682	10Ø	5.0	60	1.0	300		200	S1	A2a	
	1N935	8.55	9.45	5.0	7.5	20	7.5	500	.01	75	S1Δ	D07	
	1N935A	8.55	9.45	5.0	7.5	20	7.5	500	.01	100	S1Δ	D07	
♦	USN1N935B	8.55	9.49	5.0	7.5	20	7.5	500	.01	175J	N	S1	D07
	1N936	8.55	9.45	5.0	7.5	20	7.5	500	.005	75	S1Δ	D07	
▼	1N936A	8.55	9.45	5.0	7.5	20	7.5	500	.005	100	S1Δ	D07	
	1N936B	8.55	9.45	5.0	7.5	20	7.5	500	.005	150	S1Δ	D07	
	1N937	8.55	9.45	5.0	7.5	20	7.5	500	.002	75	S1Δ	D07	
▼	1N937A	8.55	9.45	5.0	7.5	20	7.5	500	.002	100	S1Δ	D07	
♦	1N938B	8.55	9.45	5.0	7.5	20	7.5	500	.001	150	N	S1Δ	D07
♦	USN1N938B	8.55	9.49	5.0	7.5	20	7.5	500	.001	175J	N	S1	D07
▼	1N939B	8.55	9.45	5.0	7.5	20	7.5	500	.0005	150	N	S1Δ	D07
♦	USN1N939B	8.55	9.49	5.0	7.5	20	7.5	500	.0005	175J	N	S1	D07
▼	1N941A	11.12	12.28	5.0	7.5	30	7.5	500	.01	100	S1Δ	D07	
♦	USN1N941B	11.12	12.28	5.0	7.5	30	7.5	500	.01	175J	N	S1	D07
▼	1N944B	11.12	12.28	5.0	7.5	30	7.5	500	.001	150	N	S1Δ	D07
♦	USN1N944B	11.12	12.28	5.0	7.5	30	7.5	500	.001	175J	N	S1	D07
♦	USN1N945B	11.12	12.28	5.0	7.5	30	7.5	500	.0005	175J	N	S1	D07
	1N958B	7.12	7.88	5.0	16.5	700	.50	400	.045	175A	S1Δ	D07	
	1N959A	7.38	9.02	10Ø	15	700	.50	400	.048	175A	S1Δ	D07	
	1N959B	7.79	8.61	5.0	15	700	.50	400	.048	175A	S1Δ	D07	
	1N961A	9.0	11	10Ø	12.5	700	.25	400	.055	175A	S1Δ	D07	
	1N961B	9.5	10.5	5.0	12.5	700	.25	400	.055	175A	S1Δ	D07	
	1N962B	10.45	11.55	5.0	11.5	700	.25	400	.06	175A	N	S1Δ	D07
♦	USN1N962B	10.45	11.55	5.0	11.5	9.5	11.5	400		175A	N	S1	D07
	1N963	9.6	14.4	20Ø	10.5	11.5	10.5	400	.065	175J	S1Δ	D07	
	1N963A	10.8	13.2	10Ø	10.5	700	.25	400	.065	175A	S1Δ	D07	
	1N963B	11.4	12.6	5.0	10.5	700	.25	400	.065	175A	N	S1Δ	D07
♦	USN1N963B	11.4	12.6	5.0	10.5	11.5	10.5	400		175A	N	S1	D07
	1N964A	11.7	14.3	10Ø	9.5	700	.25	400	.065	175A	S1Δ	D07	
	1N964B	12.35	13.65	5.0	9.5	700	.25	400	.065	175A	N	S1Δ	D07
♦	USN1N964B	12.35	13.65	5.0	9.5	13	9.5	400		175A	N	S1	D07

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.
Ø - MECHANICAL AND ENVIRONMENTAL TEST.

♦ - PREFERRED TYPE - MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP.	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
	1N965A	13.5	16.5	100	8.5	700	.25	400	.07	175A	S1Δ	D07	
	1N965B	14.25	15.75	5.0	8.5	700	.25	400	.07	175A	N	D07	
▼♦	USN1N965B	14.25	15.75	5.0	8.5	16	8.5	400		175A	N	D07	
	1N966A	14.4	17.6	100	7.8	700	.25	400	.070	175A	S1Δ	D07	
	1N966B	15.2	16.8	5.0	7.8	700	.25	400	.07	175A	N	D07	
▼♦	USN1N966B	15.20	16.80	5.0	7.8	17	7.8	400		175A	N	S1	D07
	1N967A	16.2	19.8	100	7.0	750	.25	400	.075	175A	S1Δ	D07	
	1N967B	17.1	18.9	5.0	7.0	750	.25	400	.075	175A	N	S1Δ	D07
▼♦	USN1N967B	17.10	18.90	5.0	7.0	21	7.0	400		175A	N	S1	D07
	1N968A	18	22	100	6.2	750	.25	400	.075	175A	S1Δ	D07	
	1N968B	19	21	5.0	6.2	750	.25	400	.075	175A	N	S1Δ	D07
▼♦	USN1N968B	19.0	21.0	5.0	6.2	25	6.2	400		175A	N	S1	D07
	1N969A	19.8	24.2	100	5.6	750	.25	400	.080	175A	S1Δ	D07	
	1N969B	20.9	23.1	5.0	5.6	750	.25	400	.08	175A	N	S1Δ	D07
▼♦	USN1N969B	20.9	23.1	5.0	5.6	29	5.6	400		175A	N	S1	D07
▼	1N970B	22.8	25.2	5.0	5.2	750	.25	400	.08	175A	N	S1Δ	D07
♦	USN1N970B	22.8	25.2	5.0	5.2	33	5.2	400		175A	N	S1	D07
	1N971A	24.3	29.7	100	4.6	750	.25	400	.085	175A	S1Δ	D07	
	1N971B	25.65	28.35	5.0	4.6	750	.25	400	.085	175A	N	S1Δ	D07
♦	USN1N971B	25.7	28.3	5.0	4.6	41	4.6	400		175A	N	S1	D07
	1N972A	27	33	100	4.2	1000	.25	400	.085	175A	S1Δ	D07	
	1N972B	28.5	31.5	5.0	4.2	1000	.25	400	.085	175A	N	S1Δ	D07
▼♦	USN1N972B	28.5	31.5	5.0	4.2	49	4.2	400		175A	N	S1	D07
	1N973A	29.7	36.3	100	3.8	1000	.25	400	.085	175A	S1Δ	D07	
	1N973B	31.35	34.65	5.0	3.8	1000	.25	400	.085	175A	N	S1Δ	D07
▼♦	USN1N973B	31.4	34.6	5.0	3.8	58	3.8	400		175A	N	S1	D07
	1N974A	32.4	39.6	100	3.4	1000	.25	400	.085	175A	S1Δ	D07	
♦	USN1N974B	34.2	37.8	5.0	3.4	70	3.4	400		175A	N	S1	D07
	1N975A	35.1	42.9	100	3.2	1000	.25	400	.090	175A	S1Δ	D07	
	1N975B	37.05	40.95	5.0	3.2	1000	.25	400	.09	175A	N	S1Δ	D07
▼♦	USN1N975B	37.1	40.9	5.0	3.2	80	3.2	400		175A	N	S1	D07
	1N976B	40.85	45.15	5.0	3.0	1500	.25	400	.09	175A	N	S1Δ	D07
▼♦	USN1N976B	40.9	45.1	5.0	3.0	93	3.0	400		175A	N	S1	D07
	1N977A	42.3	51.7	100	2.7	1500	.25	400	.090	175A	S1Δ	D07	
	1N977B	44.65	49.35	5.0	2.7	1500	.25	400	.09	175A	N	S1Δ	D07
▼♦	USN1N977B	44.7	49.3	5.0	2.7	105	2.7	400		175A	N	S1	D07
	1N978A	45.9	56.1	100	2.5	1500	.25	400	.090	175A	S1Δ	D07	
	1N978B	48.45	53.55	5.0	2.5	1500	.25	400	.09	175A	N	S1Δ	D07
▼♦	USN1N978B	48.6	53.5	5.0	2.5	125	2.5	400		175A	N	S1	D07
▼	1N979B	53.2	58.8	5.0	2.2	2000	.25	400	.09	175A	N	S1Δ	D07
▼♦	USN1N979B	53.2	58.2	5.0	2.2	150	2.2	400		175A	N	S1	D07
	1N980A	55.8	68.2	100	2.0	2000	.25	400	.090	175A	S1Δ	D07	
	1N980B	58.9	65.1	5.0	2.0	2000	.25	400	.09	175A	N	S1Δ	D07
♦	USN1N980B	58.9	65.1	5.0	2.0	185	2.0	400		175A	N	S1	D07
	1N981A	61.2	74.8	100	1.8	2000	.25	400	.090	175A	S1Δ	D07	
	1N981B	64.6	71.4	5.0	1.8	2000	.25	400	.09	175A	N	S1Δ	D07
♦	USN1N981B	64.6	71.4	5.0	1.8	230	1.8	400		175A	N	S1	D07
	1N982B	71.3	78.7	5.0	1.7	270	1.7	400		175A	N	S1	D07
▼♦	USN1N982B	71.3	78.7	5.0	1.7	270	1.7	400		175A	N	S1	D07
	1N983A	73.8	90.2	100	1.5	3000	.25	400	.090	175A	S1Δ	D07	
▼	1N983B	77.9	86.1	5.0	1.5	3000	.25	400	.09	175A	N	S1Δ	D07
♦	USN1N983B	77.9	86.1	5.0	1.5	330	1.5	400		175A	N	S1	D07
	1N984	77.8	109	200	1.4	400	1.4	400		175A	S1Δ	D07	
	1N984A	81.9	100	100	1.4	3000	.25	400	.090	175A	S1Δ	D07	
	1N984B	86.45	95.55	5.0	1.4	3000	.25	400	.09	175A	N	S1Δ	D07
▼♦	USN1N984B	86.5	95.5	5.0	1.4	400	1.4	400		175A	N	S1	D07
	1N985B	95	105	5.0	1.3	3000	.25	400	.09	175A	N	S1Δ	D07
▼♦	USN1N985B	95	105	5.0	1.3	500	1.3	400		175A	N	S1	D07
	1N986A	99	121	100	1.1	4000	.25	400	.095	175A	S1Δ	D07	
	1N986B	104.5	115.5	5.0	1.1	4000	.25	400	.095	175A	N	S1Δ	D07
▼♦	USN1N986B	104.5	115.5	5.0	1.1	750	1.1	400		175A	N	S1	D07
♦	USN1N987B	114.0	126.0	5.0	1.0	900	1.0	400		175A	N	S1	D07
♦	USN1N988B	124.0	136.5	5.0	.95	1100	.95	400		175A	N	S1	D07
	1N989A	135	165	100	.85	6000	.25	400	.095	175A	S1Δ	D07	

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

□ - MECHANICAL AND ENVIRONMENTAL TEST.

♦ - PREFERRED TYPE - MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP.	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
▼	1N989B	142.5	157.5	5.0	.85	6000	.25	400	.095	175A	N	S1Δ	D07
▼♦	USN1N989B	143.0	157.0	5.0	.85	1500	.85	400	.095	175A	N	S1	D07
♦	1N990B	152	168	5.0	.80	6500	.25	400	.095	175A	N	S1Δ	D07
♦	USN1N990B	152.0	168.0	5.0	.80	1700	.80	400		175A	N	S1	D07
♦	USN1N991B	171.0	182.0	5.0	.68	2200	.68	400		175A	N	S1	D07
♦	USN1N992B	190.0	210.0	5.0	.65	2500	.65	400		175A	N	S1	D07
▼	IN1313	7.5	10	10Ø	.20			150		150A		S1*	C1
▼	IN1313A7.8V	7.41	8.19	5.0	.20			150		150A		S1	C1
▼	IN1313A8V	7.60	8.40	5.0	.20			150		150A		S1	C1
▼	IN1313A9V	8.55	9.45	5.0	.20			150		150A		S1	C1
▼	IN1314	9.0	12	10Ø	.20			150		150A		S1*	C1
▼	IN1314-2	9.5	10.5	5.0	.20			150		150A		S1	
▼	IN1314A9.8V	9.31	10.3	5.0	.20			150		150A		S1*	C1
▼	IN1314A10.5V	9.96	11.0	5.0	.20			150		150A		S1*	C1
▼	IN1315	11	14.5	10Ø	.20			150		150A		S1*	C1
▼	IN1315A12V	12.6	11.4	5.0	.20			150		150A		S1*	C1
▼	IN1316	13.5	18	15Ø	.20			150		150A		S1*	C1
▼	IN1316A15V	14.24	15.75	5.0	.20			150		150A		S1*	C1
▼	IN1316A15.75V	14.95	16.52	5.0	.20			150		150A		S1*	C1
▼	IN1317	17	21	10Ø	.20			150		150A		S1*	C1
▼	IN1317A	18.05	19.95	5.0	.20			150		150A		S1*	C1
▼	IN1317A18V	17.10	18.90	5.0	.20			150		150A		S1*	C1
▼	IN1317A19V	18.05	19.95	5.0	.20			150		150A		S1*	C1
▼	IN1317A20V	19.0	21.0	5.0	.20			150		150A		S1*	C1
▼	IN1318	20	27	15Ø	.20			150		150A		S1*	C1
▼	IN1318A22V	20.9	23.1	5.0	.20			150		150A		S1*	C1
▼	IN1318A24V	23.8	25.2	5.0	.20			150		150A		S1*	C1
▼	IN1318A25V	23.7	26.2	5.0	.20			150		150A		S1*	C1
▼	IN1319	25	32	13	.20			150		150A		S1*	C1
▼	IN1319A	27.05	29.90	5.0	.20			150		150A		S1*	C1
▼	IN1319A30V	28.5	31.5	5.0	.20			150		150A		S1*	C1
▼	IN1320	30	39	13	.20			150		150A		S1*	C1
▼	IN1321	37	45	10	.20			150		150A		S1*	C1
▼	IN1321A42V	39.9	43.1	5.0	.20			150		150A		S1*	C1
▼	IN1322	43	54	10	.20			150		150A		S1*	C1
▼	IN1323	52	64	10	.20			150		150A		S1*	C1
▼	IN1323A	55.05	60.95	5.0	.20			150		150A		S1*	C1
▼	IN1323A60V	57.0	63.0	5.0	.20			150		150A		S1*	C1
▼	IN1324	62.0	80.0	13	.200			150		150S	F	S1	C1
▼	USAF1N1324	62.0	80.0	13	.200			150		150S	F	S1	C1
▼	IN1327	110	145	15	.20			150		150A		S1*	C1
▼	IN1351	9.0	11	10Ø	500	2.0	500	10W		175A		S1Δ	D04
▼	IN1351A	9.5	10.5	5.0	500	2.0	500	10W	.06	175A		S1Δ	D04
▼	IN1352	9.9	12.1	10Ø	500	2.0	500	10W		175A		S1Δ	D04
▼	IN1352A	10.4	11.6	5.0	500	2.0	500	10W	.06	175A		S1Δ	D04
▼	IN1353	10.8	13.2	10Ø	500	2.0	500	10W		175A	A	S1Δ	D04
▼	IN1353A	11.4	12.6	5.0	500	2.0	500	10W	.06	175A		S1Δ	D04
▼	IN1354	11.7	14.3	10Ø	500	2.0	500	10W		175A		S1Δ	D04
▼	IN1354A	12.3	13.7	5.0	500	2.0	500	10W	.07	175A		S1Δ	D04
▼	IN1354RA	12.3	13.7	5.0	500	2.0	500	10W	.07	175A		S1Δ	D04
▼	IN1355	13.5	16.5	10Ø	500	2.0	500	10W		175A		S1Δ	D04
▼	IN1355A	14.2	15.8	5.0	500	2.0	500	10W	.07	175A		S1Δ	D04
▼	IN1355RA	14.2	15.8	5.0	500	2.0	500	10W	.07	175A		S1Δ	D04
▼	IN1356A	15.1	16.9	5.0	500	3.0	500	10W	.07	175A		S1Δ	D04
▼	IN1357	16.2	19.8	10Ø	150	3.0	150	10W		175A		S1Δ	D04
▼	IN1357A	17.1	18.9	5.0	150	3.0	150	10W	.07	175A		S1Δ	D04
▼	IN1358	18	22	10Ø	150	3.0	150	10W		175A	A	S1Δ	D04
▼	IN1358A	19	21	5.0	150	3.0	150	10W	.08	175A		S1Δ	D04
▼	IN1359	19.8	24.2	10Ø	150	3.0	150	10W		175A		S1Δ	D04
▼	IN1359A	20.9	23.1	5.0	150	3.0	150	10W	.08	175A		S1Δ	D04
▼	IN1360	21.6	26.4	10Ø	150	3.0	150	10W		175A		S1Δ	D04
▼	IN1360A	22.8	25.2	5.0	150	3.0	150	10W	.08	175A		S1Δ	D04
▼	IN1360RA	22.8	25.2	5.0	150	3.0	150	10W	.08	175A		S1Δ	D04

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
▼	1N1361	24.3	29.7	10Ø	150	3.0	150	10W	.08	175A	A	S1Δ	D04
▼	1N1361A	25.6	28.4	5.0	150	3.0	150	10W	.08	175A		S1Δ	D04
▼	1N1362	27	33	10Ø	150	4.0	150	10W		175A		S1Δ	D04
▼	1N1362A	28.5	31.5	5.0	150	4.0	150	10W	.08	175A		S1Δ	D04
▼	1N1362RA	28.5	31.5	5.0	150	4.0	150	10W	.08	175A		S1Δ	D04
▼	1N1363	29.7	36.3	10Ø	150	4.0	150	10W		175A		S1Δ	D04
▼	1N1363A	31.3	34.7	5.0	150	4.0	150	10W	.08	175A		S1Δ	D04
▼	1N1364	32.4	39.6	10Ø	150	5.0	150	10W		175A		S1Δ	D04
▼	1N1364A	34.2	37.8	5.0	150	5.0	150	10W	.09	175A		S1Δ	D04
▼	1N1364A36V	34.2	37.8	5.0	150	5.0	150	10W	.09	175A		S1Δ	D04
▼	1N1364R	32.4	39.6	10Ø	150	5.0	150	10W		175A		S1Δ	D04
▼	1N1365	35.1	42.9	10Ø	150	5.0	150	10W		175A		S1Δ	D04
▼	1N1365A	37	41	5.0	150	5.0	150	10W	.09	175A		S1Δ	D04
▼	1N1366	38.7	47.3	10Ø	150	6.0	150	10W		175A		S1Δ	D04
▼	1N1366A	40.8	45.2	5.0	150	6.0	150	10W	.09	175A		S1Δ	D04
▼	1N1367	42.3	51.7	10Ø	150	7.0	150	10W		175A		S1Δ	D04
▼	1N1367A	44.6	49.4	5.0	150	7.0	150	10W	.09	175A		S1Δ	D04
▼	1N1368	45.9	56.1	10Ø	150	8.0	150	10W		175A		S1Δ	D04
▼	1N1368A	48.4	53.6	5.0	150	8.0	150	10W	.10	175A		S1Δ	D04
▼	1N1368RA	48.4	53.6	5.0	150	8.0	150	10W	.10	175A		S1Δ	D04
▼	1N1369	50.4	61.6	10Ø	150	9.0	150	10W		175A		S1Δ	D04
▼	1N1369A	53.2	58.8	5.0	150	9.0	150	10W	.10	175A		S1Δ	D04
▼	1N1370	55.8	68.2	10	50	12	50	10W		175A		S1Δ	D04
▼	1N1370A	58.9	65.1	5.0	50	12	50	10W	.10	175A		S1Δ	D04
▼	1N1371	61.2	74.8	10	50	14	50	10W		175A		S1Δ	D04
▼	1N1371A	64.6	71.4	5.0	50	14	50	10W	.10	175A		S1Δ	D04
▼	1N1372	67.5	82.5	10	50	20	50	10W		175A		S1Δ	D04
▼	1N1372A	71.2	78.8	5.0	50	20	50	10W	.11	175A		S1Δ	D04
▼	1N1372RA	71.2	78.8	5.0	50	20	50	10W	.11	175A		S1Δ	D04
▼	1N1373	73.8	90.2	10	50	22	50	10W		175A		S1Δ	D04
▼	1N1373A	77.9	86.1	5.0	50	22	50	10W	.11	175A		S1Δ	D04
▼	1N1374	81.9	100.1	10	50	35	50	10W		175A		S1Δ	D04
▼	1N1374A	86.4	95.6	5.0	50	35	50	10W	.12	175A		S1Δ	D04
▼	1N1375	90	110	10	50	40	50	10W		175A		S1Δ	D04
▼	1N1375A	95	105	5.0	50	40	50	10W	.12	175A		S1Δ	D04
▼	1N1416	7.8	8.6	5.0	200	3.0	200	10W	.05	175	AR	S1	
▼	1N1417	11.4	12.6	5.0	200	3.5	200	10W	.06	175	R	S1	
▼	1N1418	14.2	15.8	5.0	100	4.0	100	10W	.07	175	R	S1	
▼	1N1419	17.1	18.9	5.0	100	5.0	100	10W	.08	175	A	S1	
▼	1N1420	20.9	23.1	5.0	100	5.0	100	10W	.08	175	AR	S1	
▼	1N1421	25.6	28.4	5.0	50	8.0	50	10W	.085	175	AR	S1	
▼	1N1422	64.6	71.4	5.0	20	15	20	10W	.09	175	AR	S1	
▼	1N1423	95	105	5.0	20	30	20	10W	.09	175	AR	S1	
▼	1N1425	7.8	8.6	5.0	20	5.0	20	1000	.05	200	AR	S1	
▼	1N1426	11.4	12.6	5.0	20	7.0	20	1000	.06	200	AR	S1	
▼	1N1427	14.2	15.8	5.0	10	17	10	1000	.07	200	AR	S1	
▼	1N1428	17.1	18.9	5.0	10	20	10	1000	.08	200	AR	S1	
▼	1N1429	20.9	23.1	5.0	10	23	10	1000	.08	200	AR	S1	
▼	1N1430	25.6	28.4	5.0	5.0	50	5.0	1000	.085	200	AR	S1	
▼	USA1N1430	25.6	28.4	5.0	5.0	50	5.0	1000	.085	200	AR	S1	
▼	1N1431	64.6	71.4	5.0	2.0	150	2.0	1000	.09	200	AR	S1	
▼	1N1432	95	105	5.0	2.0	350	2.0	1000	.09	200	AR	S1	
▼	1N1482	4.47	4.93	5.0	200	3.0	200	10W	.04	175	AR	S1*	
▼	1N1483	5.9	6.5	5.0	200	2.0	200	10W	.03	175	AR	S1	
▼	1N1484	4.47	4.93	5.0	50	5.0	50	1000	.03	175	AR	S1*	
▼	1N1485	5.9	6.5	5.0	20	5.0	20	1000	.04	200	AR	S1	
▼	USA1N1485	5.9	6.5	5.0	20	5.0	20	1000	.04	200	AR	S1	
▼	1N1507	3.6	4.3	10	180	1.25	35	750	.04	165A	S1		
▼	1N1507A	3.7	4.1	5.0	35			50	.04	165A	S1		
▼	1N1508	4.3	5.1	10	150	1.25	30	750	0	165A	S1		
▼	1N1508A	4.5	4.9	5.0	30			50	.00	165A	S1		
▼	1N1509A	5.3	5.9	5.0	26			750	.03	165A	S1		
▼	1N1510	6.2	7.5	10	110	2.5	22	750	.05	165A	S1		

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

□ - MECHANICAL AND ENVIRONMENTAL TEST.

♦ - PREFERRED TYPE - MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
▼	1N1510A	6.5	7.1	5.0	22			750	.05	165A	S1		
▼	1N1511	7.5	9.1	10	90	4.0	18	750	.06	165A	S1		
▼	1N1511A	7.79	8.61	5.0	90	4.0	18	750	.06	165A	S1		
▼	1N1512	9.1	11	10	75	6.0	15	750	.07	165A	S1		
▼	1N1512A	9.5	10.5	5.0	15			750	.07	165A	S1		
▼	1N1513	11	13	10	60	10	12	750	.07	165A	S1		
▼	1N1513A	11.4	12.6	5.0	12			750	.075	165A	S1		
▼	1N1514	13	16	10	50	20	1.0	750	.08	165A	S1		
▼	1N1514A	14.2	15.8	5.0	10			750	.08	165A	S1		
▼	1N1515	16	20	10	40	40	8.0	750	.085	165A	S1		
▼	1N1515A	17.1	18.9	5.0	8.0			50	.085	165A	S1		
▼	1N1516	20	24	10	33	60	6.0	750	.09	165A	S1		
▼	1N1516A	20.9	23.1	5.0	6.0			750	.09	165A	S1		
▼	1N1517	24	30	10	26	75	5.0	750	.095	165A	S1		
▼	1N1517A	25.6	28.4	5.0	5.0			750	.095	165A	S1		
▼	1N1518	3.6	4.3	10	250			1.0	50	1000	.04	165A	S1
▼	1N1518A	3.7	4.1	5.0	50				1000	.04	165A	S1	DO3
▼	1N1519	4.3	5.1	10	200			1.0	40	1000	0	165A	S1
▼	1N1519A	4.5	4.9	5.0	40				1000	.00	165A	S1	DO3
▼	1N1520	5.1	6.2	10	175	1.5	35	1000	.03	165A	S1	DO3	
▼	1N1520A	5.3	5.9	5.0	35				1000	.03	165A	S1	DO3
▼	1N1521	6.2	7.5	10	150	2.0	30	1000	.05	165A	S1	DO3	
▼	1N1521A	6.5	7.1	5.0	30				1000	.05	165A	S1	DO3
▼	1N1522	7.5	9.1	10	120	3.0	25	1000	.06	165A	S1	DO3	
▼	1N1522A	7.8	8.6	5.0	25				1000	.06	165A	S1	DO3
▼	1N1523	9.1	11	10	100	4.5	20	1000	.07	165A	S1	DO3	
▼	1N1523A	9.5	10.5	5.0	20				1000	.07	165A	S1	DO3
▼	1N1524	11	13	10	80	7.5	15	1000	.075	165A	S1	DO3	
▼	1N1524A	11.4	12.6	5.0	15				1000	.075	165A	S1	DO3
▼	1N1525	13	16	10	65	15	13	1000	.08	165A	S1	DO3	
▼	1N1525A	14.2	15.8	5.0	13				1000	.08	165A	S1	DO3
▼	1N1526	16	20	10	55	30	10	1000	.085	165A	S1	DO3	
▼	1N1526A	17.1	18.9	5.0	10				1000	.085	165A	S1	DO3
▼	1N1527	20	24	10	45	45	9.0	1000	.09	165A	S1	DO3	
▼	1N1527A	20.9	23.1	5.0	9.0				1000	.09	165A	S1	DO3
▼	1N1528	24	30	10	35	60	7.0	1000	.095	165A	S1	DO3	
▼	1N1528A	25.6	28.4	5.0	7.0				1000	.095	165A	S1	DO3
▼	1N1530	8.0	8.8	5.0	10	15	10	250	.014	150A	S1*	C7	
▼	1N1530A	8.0	8.8	5.0	10				.007	150A	S1*	C7	
▼	1N1588	3.6	4.3	10	850	.50	150	3500	.04	165B	S1		
▼	1N1588A	3.7	4.1	5.0	150				.04	165A	S1		
▼	1N1589	4.3	5.1	10	700	.50	125	3500	0	165B	S1		
▼	1N1589A	4.5	4.9	5.0	125				.00	165A	S1		
▼	1N1590	5.1	6.2	10	625	.75	110	3500	.03	165B	S1		
▼	1N1590A	5.3	5.9	5.0	10				.03	165A	S1		
▼	1N1591	6.2	7.5	10	525	1.0	100	3500	.05	165B	S1		
▼	1N1591A	6.5	7.1	5.0	100				.05	165A	S1	DO4	
▼	1N1592	7.5	9.1	10	425	1.5	80	3500	.06	165B	S1		
▼	1N1592A	7.8	8.6	5.0	80				.06	165A	S1	DO4	
▼	1N1593	9.1	11	10	350	2.5	70	3500	.07	165B	S1		
▼	1N1593A	9.5	10.5	5.0	70				.07	165A	S1	DO4	
▼	1N1594	11	13	10	275	4.0	50	3500	.075	165B	S1		
▼	1N1594A	11.4	12.6	5.0	50				.075	165A	S1	DO4	
▼	1N1595	13	16	10	225	7.5	40	3500	.08	165B	S1		
▼	1N1595A	14.2	15.8	5.0	40				.08	165A	S1	DO4	
▼	1N1596	16	20	10	200	15	35	3500	.085	165B	S1		
	1N1596A	17.1	18.9	50	35				.085	165A	S1	DO4	
	1N1597	20	24	10	160	22.5	30	3500	.09	165B	S1		
	1N1597A	20.9	23.1	5.0	30				.09	165A	S1	DO4	
	1N1598	24	30	10	125	30	25	3500	.095	165B	S1		
	1N1599	3.6	4.3	10	2500	.25	500	10W	.04	165B	S1		
	1N1599A	3.7	4.1	5.0	500				.04	165A	S1		

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
 — MECHANICAL AND ENVIRONMENTAL TEST.
 ♦ — PREFERRED TYPE — MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION			
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ Iz (ma)	Z (ohms)	@ Iz (ma)				S T A T U S	MAT.	DWG. No.	
▼	1N1600	4.3	5.1	10	2000	.25	400	10W	0	165B	S1			
	1N1600A	4.5	4.9	5.0	400			10W	.00	165A	S1			
▼	1N1601	5.1	6.2	10	1750	.40	350	10W	.03	165B	S1			
▼	1N1601A	5.3	5.9	5.0	350			10W	.03	165A	S1			
▼	1N1602	6.2	7.5	10	1500	.50	300	10W	.05	165B	S1			
	1N1602A	6.5	7.1	5.0	300			10W	.05	165A	S1			
▼	1N1603	7.5	9.1	10	1200	.75	250	10W	.06	165B	S1	DO4		
	1N1603A	7.8	8.6	5.0	250			10W	.06	165A	S1	DO4		
	1N1604	9.1	11	10	1000	1.25	200	10W	.07	165B	S1	DO4		
▼	1N1604A	9.5	10.5	5.0	200			10W	.07	165A	S1	DO4		
▼	1N1605	11	13	10	850	2.0	170	10W	.075	165B	S1	DO4		
	1N1605A	11.4	12.6	5.0	170			10W	.075	165A	S1	DO4		
▼	1N1606A	14.2	15.8	5.0	140			10W	.08	165A	S1	DO4		
	1N1607	16	20	10	550	7.5	110	10W	.085	165B	S1	DO4		
	1N1607A	17.1	18.9	5.0	110			10W	.085	165A	S1	DO4		
▼	1N1608	20	24	10	450	12	90	10W	.09	165B	S1	DO4		
	1N1608A	20.9	23.1	5.0	90			10W	.09	165A	S1	DO4		
	1N1609	24	30	10	350	15	70	10W	.095	165B	S1	DO4		
▼	1N1609A	25.6	28.4	5.0	70			10W	.095	165A	S1	DO4		
	1N1735	5.9	6.5	5.0	7.5	20	7.5	200	.01	150A	S1*	A27		
	1N1736	11.8	13	5.0	7.5	40	7.5	400	.01	150A	S1*	A28		
▼	1N1736A	11.8	13	5.0	7.5	40	7.5	400	.005	150A	S1*	A28		
▼	1N1737	17.7	19.5	5.0	7.5	60	7.5	600	.01	150A	S1*	A29		
▼	1N1737A	17.7	19.5	5.0	7.5	60	7.5	600	.005	150A	S1*	A29		
	1N1738	23.6	26	5.0	7.5	80	7.5	800	.01	150A	S1*	A29		
▼	1N1738A	23.6	26	5.0	7.5	80	7.5	800	.005	150A	S1*	A29		
	1N1739	30.5	32.5	5.0	7.5	100	7.5	1000	.01	150A	S1*	A30		
▼	1N1739A	30.5	32.5	5.0	7.5	100	7.5	1000	.005	150A	S1*	A30		
	1N1741	41.2	45.6	5.0	7.5	140	7.5	1400	.01	150A	S1*	A30		
▼	1N1741A	41.2	45.6	5.0	7.5	140	7.5	1400	.005	150A	S1*	A30		
	1N1742	47.1	52.1	5.0	7.5	180	7.5	1600	.01	150A	S1*	A30		
▼	1N1742A	47.1	52.1	5.0	7.5	180	7.5	1600	.005	150A	S1*	A30		
	1N1743	9.5	10.5	5.0	200	3.0	200	10W	.055	175	AR	S1		
	1N1744	9.5	10.5	5.0	20	6.0	20	1000	.055	200	AR	S1		
	1N1765	5.0	6.2	10Ø	100	1.2	100	1000		175A	S1Δ	A31		
▼	1N1766	5.6	6.8	10Ø	100	1.5	100	1000		175A	S1Δ	A31		
	1N1767	6.1	7.5	10Ø	100	1.7	100	1000		175A	S1Δ	A31		
▼	1N1768A	7.125	7.875	5.0	100	2.1	100	1000		175A	S1	A31		
	1N1771	9.0	11	10Ø	50	3.5	50	1000		175A	S1Δ	A31		
▼	1N1771A	9.5	10.5	5.0	50	3.5	50	1000		175A	S1Δ	A31		
	1N1772	9.9	12.1	10Ø	50	4.2	50	1000		175A	S1Δ	A31		
	1N1773	10.8	13.2	10Ø	50	5.0	50	1000		175A	S1Δ	A31		
▼	1N1773A	11.4	12.6	5.0	50	5.0	50	1000		175A	S1Δ	DO4		
▼	1N1774	11.7	14.3	10Ø	50	5.8	50	1000		175A	S1Δ	A31		
▼	1N1775	13.5	16.5	10Ø	50	7.6	50	1000		175A	S1Δ	A31		
	1N1775A	14.25	15.75	5.0	50	7.6	50	1000		175A	S1Δ	A31		
	1N1777	16.2	19.8	10Ø	50	11	50	1000		175A	A	S1Δ	A31	
▼	1N1777A	17.1	18.9	5.0	50	11	50	1000		175	S1	A19		
	1N1778A	19	21	5.0	15	13	15	1000		175	S1	A19		
▼	1N1779	19.8	24.2	10Ø	15	16	15	1000		175A	S1Δ	A31		
▼	1N1779A	20.9	23.1	5.0	15	16	15	1000		175	S1	A19		
	1N1780A	22.8	25.2	5.0	15	18	15	1000		175	S1	A19		
▼	1N1781	24.3	29.7	10Ø	15	23	15	1000		175A	A	S1Δ	A31	
▼	1N1781A	25.6	28.4	5.0	15	23	15	1000		175A	S1Δ	A31		
▼	1N1782	27	33	10Ø	15	28	15	1000		175A	S1Δ	A31		
▼	1N1782A	28.5	31.5	5.0	15	28	15	1000		175A	S1Δ	A31		
	1N1783	29.7	36.3	10Ø	15	33	15	1000		175A	S1Δ	A31		
▼	1N1783A	31.35	34.65	5.0	15	33	15	1000		175	S1	A19		
▼	1N1784	32.4	39.6	10Ø	15	39	15	1000		175A	S1Δ	S11		
▼	1N1784A	34.2	37.8	5.0	15	39	15	1000		175	S1	A19		
▼	1N1785	35.1	42.9	10Ø	15	45	15	1000		175A	S1Δ	A31		
▼	1N1786	38.7	47.3	10Ø	15	54	15	1000		175A	S1Δ	A31		
▼	1N1787	42.3	51.7	10Ø	15	64	15	1000		175A	S1Δ	A31		

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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ Iz (ma)	Z (ohms)	@ Iz (ma)				S T A T U S	MAT.	DWG. No.
▼	1N1788	45.9	56.1	10Ø	15	74	15	1000		175A	S1Δ	A31	
▼	1N1788A	48.45	53.55	5.0	15	74	15	1000		175	S1	A19	
▼	1N1789	50.4	61.6	10Ø	15	88	15	1000		175A	S1Δ	A31	
▼	1N1790	55.8	68.2	10Ø	5.0	105	5.0	1000		175A	S1Δ	A31	
▼	1N1790A	58.9	65.1	5.0	5.0	105	5.0	1000		175A	S1	A31	
▼	1N1791	61.2	74.8	10Ø	5.0	125	5.0	1000		175A	S1Δ	A31	
▼	1N1791A	64.6	71.4	5.0	5.0	125	5.0	1000		175A	S1	A31	
▼	1N1792	67.5	82.5	10Ø	5.0	150	5.0	1000		175A	S1Δ	A31	
▼	1N1793	73.8	90.2	10Ø	5.0	175	5.0	1000		175A	S1Δ	A31	
▼	1N1794	81.9	100.1	10Ø	5.0	220	5.0	1000		175A	S1Δ	A31	
▼	1N1795	90	110	10	5.0	260	5.0	1000		175A	S1Δ	A31	
▼	1N1796	99	121	10	5.0	320	5.0	1000		175A	S1Δ	A31	
▼	1N1797	108	132	10	5.0	390	5.0	1000		175A	S1Δ	D07	
▼	1N1798	117	143	10	5.0	450	5.0	1000		175A	S1Δ	A31	
▼	1N1799	135	165	10	5.0	600	5.0	1000		175A	S1Δ	A31	
▼	1N1801	162	198	10	5.0	900	5.0	1000		175A	S1Δ	A31	
▼	1N1803	5.0	6.2	10Ø	1000	1.0	1000	10W		175A	S1Δ	S11Δ	
▼	1N1804	5.6	6.8	10Ø	1000	1.0	1000	10W		175A	A	S1Δ	S11Δ
▼	1N1804A	5.9	6.5	5.0	1000	1.0	1000	10W		175A	A	S1Δ	S11Δ
▼	1N1805	6.1	7.5	10Ø	1000	1.0	1000	10W		175A	S1Δ	S11Δ	
▼	1N1806A	7.125	7.875	5.0	1000	1.0	1000	10W		175S	S1	S4a	
▼	1N1807	7.38	9.02	10	1.0A	1.0	1.0A	10W		175J	N	S1	D04
▼	1N1807A	15.59	17.20	5.0	1000	1.0	1000	10W		175A	S1Δ	D04	
▼	1N1808	8.2	10	10Ø	500	1.0	500	10W		175A	S1Δ	D04	
▼	1N1809	99	121	10Ø	50	47	50	10W		175A	S1Δ	S11Δ	
▼	1N1809A	104.5	115.5	5.0	50	47	50	10W		175S	S1	S4a	
▼	1N1810	108	132	10Ø	50	56	50	10W		175A	S1Δ	S11Δ	
▼	1N1810A	114	126	5.0	50	56	50	10W		175S	S1	S4a	
▼	1N1811	117	143	10Ø	50	65	50	10W		175A	S1Δ	S11Δ	
▼	1N1812	135	165	10Ø	50	82	50	10W		175A	S1Δ	S11Δ	
▼	1N1812A	142.5	157.5	5.0	50	82	50	10W		175S	S1	S4a	
▼	1N1813A	152	168	5.0	50	93	50	10W		175S	S1	S4a	
▼	1N1814A	171	189	5.0	50	115	50	10W		175S	S1	S4a	
▼	1N1815	180	220	10Ø	50	140	50	10W		175A	N	S1Δ	S11Δ
▼	1N1816	11.7	14.3	10	500	2.0	500	10W	.07	150A	N	S1Δ	S19aΔ
▼	1N1816A	12.6	13.7	5.0	500	2.0	500	10W	.07	150A	N	S1Δ	S19aΔ
▼	1N1816C	11.7	14.3	10	500	2.0	500	10W	.07	150A	N	S1Δ	S19aΔ
▼	1N1816RA	12.34	13.65	5.0	500	2.0	500	10W	.07	150A	N	S1Δ	S19a
▼	1N1817	13.5	16.5	10	500	2.0	500	10W	.07	150A	N	S1Δ	S19aΔ
▼	1N1817A	14.3	15.8	5.0	500	2.0	500	10W	.07	150A	N	S1Δ	D04Δ
▼	1N1817C	13.5	16.5	10	500	2.0	500	10W	.07	150A	N	S1Δ	S19aΔ
▼	1N1818A	15.2	16.8	5.0	500	3.0	500	10W	.07	150A	N	S1Δ	D04Δ
▼	1N1819	16.2	19.8	10	500	3.0	500	10W	.07	150A	N	S1Δ	S19aΔ
▼	1N1819A	17.1	18.9	5.0	500	3.0	500	10W	.07	150A	N	S1Δ	D04Δ
▼	1N1819C	16.2	19.8	10	500	3.0	500	10W	.07	150A	N	S1Δ	S19aΔ
▼	1N1820	18	22	10	250	3.0	250	10W	.08	150A	N	S1Δ	S19aΔ
▼	1N1820A	19	21	5.0	250	3.0	250	10W	.08	150A	N	S1Δ	D04Δ
▼	1N1820C	18	22	10	250	3.0	250	10W	.08	150A	N	S1Δ	S19aΔ
▼	1N1821	19.8	24.2	10	250	3.0	250	10W	.08	150A	N	S1Δ	S19aΔ
▼	1N1821A	20.9	23.1	5.0	250	3.0	250	10W	.08	150A	N	S1Δ	D04
▼	1N1821C	19.8	24.2	10	250	3.0	250	10W	.08	150A	N	S1Δ	S19aΔ
▼	1N1821RA	30.40	33.6	5.0	250	3.0	250	10W	.08	150A	N	S1Δ	S19a
▼	1N1822	21.6	26.4	10	250	3.0	250	10W	.08	150A	N	S1Δ	S19aΔ
▼	1N1822A	22.8	25.2	5.0	250	3.0	250	10W	.08	150A	N	S1	D04
▼	USN1N1822A	22.8	25.2	5.0	250	3.0	250	10W	.08	150A	N	S1	D04
▼	1N1822C	21.6	26.4	10	250	3.0	250	10W	.08	150A	N	S1Δ	S19aΔ
▼	1N1823	24.3	29.7	10	250	3.0	250	10W	.08	150A	N	S1Δ	S19aΔ
▼	1N1823A	25.7	28.4	5.0	250	3.0	250	10W	.08	150A	N	S1Δ	D04Δ
▼	1N1824	27	33	10	250	4.0	250	10W	.08	150A	N	S1Δ	S19a Δ
▼	1N1824A	28.5	31.5	5.0	250	4.0	250	10W	.08	200S	N	S1Δ	S19a
▼	1N1824C	27	33	10	250	4.0	250	10W	.08	150A	N	S1Δ	S19a
▼	1N1824RA	28.5	31.5	5.0	250	4.0	250	10W	.08	200S	N	S1Δ	S19a
▼	1N1825	29.7	36.3	10	150	4.0	150	10W	.08	150A	N	S1Δ	S19aΔ
▼	1N1825A	31.4	34.7	5.0	150	4.0	150	10W	.08	150A	N	S1Δ	D04Δ

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 ♦ - PREFERRED TYPE - MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	STATUS	MAT.	DWG. No.
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ Iz (ma)	Z (ohms)	@ Iz (ma)						
	1N1825C Ø	29.7	36.3	10	150	4.0	150	10W	.08	150A	S1Δ		
	1N1826 Ø	32.4	39.6	10	150	5.0	150	10W	.09	150A	S1Δ	S19aΔ	
	1N1826A Ø	34.4	37.8	5.0	150	5.0	150	10W	.09	150A	S1Δ	D04Δ	
	1N1826C Ø	32.4	39.6	5.0	150	5.0	150	10W	.09	150A	S1Δ		
▼	1N1827 Ø	35.1	42.9	10	150	5.0	150	10W	.09	150A	S1Δ	S19aΔ	
▼	1N1827A Ø	37.1	41	5.0	150	5.0	150	10W	.09	150A	N	S1Δ	D04Δ
▼	1N1827C Ø	35.1	42.9	10	150	5.0	150	10W	.09	150A	S1Δ		
▼	1N1828 Ø	38.7	47.3	10	150	6.0	150	10W	.09	150A	N	S1Δ	S19aΔ
▼	1N1828A Ø	40.9	45.2	5.0	150	6.0	150	10W	.09	150A	N	S1Δ	D04Δ
▼	1N1828C Ø	38.7	47.3	10	150	6.0	150	10W	.09	150A	S1Δ	Δ	
▼	1N1829 Ø	42.3	51.7	10	150	7.0	150	10W	.09	150A	N	S1Δ	S19aΔ
▼	1N1829A Ø	44.7	49.4	5.0	150	7.0	150	10W	.09	150A	N	S1Δ	Δ
▼	1N1829C Ø	42.3	51.7	10	150	7.0	150	10W	.09	150A	S1Δ		
▼	1N1830 Ø	45.9	56.1	10	150	8.0	150	10W	.10	150A	N	S1Δ	S19aΔ
▼	1N1830A Ø	48.5	53.6	5.0	150	8.0	150	10W	.10	150A	N	S1Δ	D04Δ
▼	1N1830C Ø	45.9	56.1	10	150	8.0	150	10W	.10	150A	S1Δ		
▼	1N1831 Ø	50.4	61.6	10	150	9.0	150	10W	.10	150A	N	S1Δ	S19aΔ
▼	1N1831A Ø	53.2	58.8	5.0	150	9.0	150	10W	.10	150A	N	S1Δ	D04Δ
▼	1N1831C Ø	50.4	61.6	10	150	9.0	150	10W	.10	150A	S1Δ		
▼	1N1831RA	53.2	58.8	5.0	150	9.0	150	10W	.10	150A	S1Δ	D04	
▼	1N1832 Ø	55.8	68.2	10	50	12	50	10W	.10	150A	N	S1Δ	S19aΔ
▼	1N1832A Ø	58.9	65.1	5.0	50	12	50	10W	.10	150A	S1Δ	D04	
▼	1N1832C Ø	55.8	68.2	10	50	12	50	10W	.10	150A	S1Δ		
▼	1N1833 Ø	61.2	74.8	10	50	14	50	10W	.10	150A	N	S1Δ	S19aΔ
▼	1N1833A Ø	64.6	71.4	5.0	50	14	50	10W	.10	150A	N	S1Δ	Δ
▼	1N1833C Ø	61.2	74.8	10	50	14	50	10W	.10	150A	S1Δ		
▼	1N1834 Ø	67.5	82.5	10	50	20	50	10W	.11	150A	N	S1Δ	S19aΔ
▼	1N1834A Ø	71.3	78.8	5.0	50	20	50	10W	.11	150A	S1Δ	D04	
▼	1N1834C	67.5	82.5	10	50	20	50	10W	.11	150A	S1Δ		
▼	1N1835 Ø	73.8	90.2	10	50	22	50	10W	.11	150A	N	S1Δ	S19aΔ
▼	1N1835A Ø	77.9	86.1	5.0	50	22	50	10W	.11	150A	N	S1Δ	D04Δ
▼	1N1835C Ø	73.8	90.2	10	50	22	50	10W	.11	150A	S1Δ		
▼	1N1836 Ø	80.9	99.1	10	50	35	50	10W	.12	150A	N	S1Δ	S19aΔ
▼	1N1836A Ø	86.5	95.6	5.0	50	35	50	10W	.12	150A	N	S1Δ	D04Δ
▼	1N1836C Ø	80.9	99.1	10	50	35	50	10W	.12	150A	S1Δ		
▼	1N1875	7.5	9.1	10	25	1.0	50	1000	.04	200S	S1Δ		
▼	1N1876	9.1	11	10	25	1.3	50	1000	.058	200S	S1Δ		
▼	1N1876A	19.1	21.1	5.0	25	1.3	50	1000	.058	200S	S1Δ		
▼	1N1877	11	13	10	25	1.8	50	1000	.059	200S	S1Δ		
▼	1N1878	13	16	10	25	2.0	50	1000	.06	200S	S1Δ		
▼	1N1878A	14.25	15.75	5.0	50	2.0	50	3000	.06	250J	S1	A86	
▼	1N1879	16	20	10	25	2.6	50	1000	.062	200S	S1Δ		
▼	1N1879A	17.1	18.9	5.0	50	2.6	50	3000	.062	250J	S1	A86	
▼	1N1880	20	24	10	8.0	10	15	1000	.064	200S	S1Δ		
▼	1N1880A	20.9	23.1	5.0	8.0	10	15	1000	.064	200S	S1Δ		
▼	1N1881	24	30	10	8.0	18	15	1000	.066	200S	S1Δ		
▼	1N1882	30	36	10	8.0	24	15	1000	.068	200S	S1Δ		
▼	1N1882A	31.35	34.65	5.0	15	24	15	3000	.068	250J	S1	A86	
▼	1N1882A30V	28.5	31.5	5.0	8.0	24	15	1000	.068	200S	S1Δ		
▼	1N1883	36	43	10	8.0	26	15	1000	.070	200S	S1Δ		
▼	1N1884	43	51	10	8.0	28	15	1000	.072	200S	S1Δ		
▼	1N1884A	44.65	49.35	5.0	8.0	28	15	1000	.072	200S	S1Δ		
▼	1N1885	51	62	10	8.0	30	15	1000	.075	200S	S1Δ		
▼	1N1886	62	75	10	3.0	35	7.5	1000	.080	200S	S1Δ		
▼	1N1887	75	91	10	3.0	45	7.5	1000	.086	200S	S1Δ		
▼	1N1888	91	110	10	3.0	60	7.5	1000	.093	200S	S1Δ		
▼	1N1888B	98	102	2.0	3.0	60	7.5	1000	.093	200S	S1Δ		
	1N1890	130	160	10	3.0	110	7.5	1000	.12	200A	S1	D04	
	1N1891	7.5	9.1	10	25	1.0	50	10W	.04	200S	S1Δ		
	1N1892	9.1	11	10	25	1.3	50	10W	.058	200S	S1Δ		
▼	1N1893	11	13	10	25	1.8	50	10W	.059	200S	S1Δ		
▼	1N1895	16	20	10	8.0	2.6	50	10W	.062	200S	S1Δ		
▼	1N1896	20	24	10	8.0	10	15	10W	.064	200S	S1Δ		

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 - MECHANICAL AND ENVIRONMENTAL TEST.
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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
▼	1N1897	24	30	10	8.0	18	15	10W	.066	200S	S1Δ		
	1N1900	43	51	10	8.0	28	15	10W	.072	200S	S1Δ		
	1N1900AR	44.65	49.35	5.0	8.0	28	15	10W	.072	200S	S1Δ		
▼	1N1901	51	62	10	8.0	30	15	10W	.075	200S	S1Δ		
▼	1N1902	62	75	10	3.0	35	7.5	10W	.080	200S	S1Δ		
▼	1N1902RA	65.1	71.9	5.0	3.0	35	7.5	10W	.083	200S	S1Δ		
▼	1N1904	91	110	10	3.0	60	7.5	10W	.093	200S	S1Δ		
▼	1N1927	3.6	4.3	10	5.0	11	10	250	.06	150A	S1∅		
▼	1N1927A	3.8	4.2	5.0	5.0	11	10	250	.06	150A	S1∅		
▼	1N1928	4.3	5.1	10	5.0	10	10	250	.05	150A	S1∅		
▼	1N1928A	4.225	4.725	5.0	5.0	10	10	250	.05	150A	S1Δ		
▼	1N1929	5.1	6.2	10	5.0	8.0	10	250	.01	150A	S1		
▼	1N1930	6.2	7.5	10	5.0	7.0	10	250	.0	150A	S1∅		
▼	1N1931	7.5	9.1	10	5.0	15	10	250	.06	150A	S1∅		
▼	1N1932	9.1	11	10	5.0	22	10	250	.065	150A	S1∅		
▼	1N1933	11	13	10	1.0	30	5.0	250	.08	150A	S1∅		
▼	1N1935	16	20	10	1.0	70	5.0	250	.092	150A	S1∅		
▼	1N1936	20	24	10	1.0	100	5.0	250	.094	150A	S1∅		
▼	1N1937	24	30	10	1.0	200	3.0	250	.096	150A	S1∅		
▼	1N1937A	25.65	28.35	5.0	1.0	200	3.0	250	.096	150A	S1∅		
▼	1N1938	30	36	10	.20	300	3.0	250	.098	150A	S1∅		
▼	1N1939	36	43	10	.20	400	3.0	250	.10	150A	S1∅		
▼	1N1940	43	51	10	.20	500	2.0	250	.10	150A	S1∅		
▼	1N1941	51	62	10	.20	700	2.0	250	.10	150A	S1∅		
▼	1N1942	62	75	10	.20	900	1.0	250	.11	150A	S1∅		
▼	1N1943	75	91	10	.20	1200	1.0	250	.11	150A	S1∅		
▼	1N1945	110	130	10∅	.20	2800	1.0	200		150	S1		
▼	1N1946	130	160	10∅	.10			200		150	S1		
▼	1N1948	200	240	10∅	.10			200		150	S1		
▼	1N1954	3.6	4.3	10	5.0	11	10	200	.06	150	S1		
▼	1N1955	4.3	5.1	10	5.0	10	10	200	.05	150	S1		
▼	1N1956	5.1	6.2	10	5.0	8.0	10	200	.01	150	S1		
▼	1N1957	6.2	7.5	10	5.0	7.0	10	200	.03	150	S1		
▼	1N1958	7.5	9.1	10	5.0	15	10	200	.06	150	S1		
▼	1N1964A30V	28.5	31.5	5.0	1.0	200	3.0	200	.096	150	S1		
▼	1N1966	36	43	10	.20	400	3.0	200	.10	150	S1		
▼	1N1967	43	51	10	.20	500	2.0	200	.10	150	S1		
▼	1N1968	51	62	10	.20	700	2.0	200	.10	150	S1		
▼	1N1969	62	75	10	.20	900	1.0	200	.11	150	S1		
▼	1N1972	110	130	10	.20	2800	1.0	200		150	S1		
▼	1N1973	130	160	10	.10			200		150	S1		
▼	1N1975	200	240	10	.10			200		150	S1		
▼	1N1981	3.6	4.3	10	5.0	11	10	150	.06	150	S1∅		
▼	1N1982	4.3	5.1	10	5.0	10	10	150	.05	150	S1∅		
▼	1N1983	5.1	6.2	10	5.0	8.0	10	150	.01	150	S1∅		
▼	1N1984	6.2	7.5	10	5.0	7.0	10	150	.03	150	S1∅		
▼	1N1985	7.5	9.1	10	5.0	15	10	150	.06	150	S1∅		
▼	1N1986	9.1	11	10	5.0	22	10	150	.065	150	S1∅		
▼	1N1987A	11.4	12.6	5.0	1.0	30	5.0	125	.08	150	S1Δ		
▼	1N1993	36	43	10	.20	400	3.0	150	.10	150	S1∅		
▼	1N1994	43	51	10	.20	500	2.0	150	.10	150	S1∅		
▼	1N1995	51	62	10	.20	700	2.0	150	.10	150	S1∅		
▼	1N1996	62	75	10	.20	900	1.0	150	.11	150	S1∅		
▼	1N1999	110	130	10	.20	2800	1.0	150		150	S1		
▼	1N2000	130	160	10	.10			150		150	S1		
▼	1N2002	200	240	10	.10			150		150	S1		
▼	1N2008	90	110	10	50	40	50	10W	.12	150	S1Δ	S19aΔ	
▼	1N2008A	95	105	5.0	50	40	50	10W	.12	150	S1Δ	D04Δ	
▼	1N2008C	90	110	10	50	40	50	10W	.12	150	S1Δ		
▼	1N2009	99	121	10	50	47	50	10W	.12	150	S1Δ	S19aΔ	
▼	1N2009A	104.5	115.5	5.0	50	47	50	10W	.12	150	S1Δ	D07Δ	
▼	1N2009C	99	121	10	50	47	50	10W	.12	150	S1Δ		
▼	1N2010	108	132	10	50	56	50	10W	.12	150	S1Δ	S19aΔ	

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♦ — PREFERRED TYPE — MIL-STD 701

NAVWEPS 16-1-530
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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP.	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
	1N2010A	114	126	5.0	50	56	50	10W	.12	150	S1Δ	△	
	1N2010C	108	132	10	50	56	50	10W	.12	150	S1Δ		
	1N2011	117	143	10	50	65	50	10W	.12	150	S1Δ	S19aΔ	
▼	1N2011A	123.5	136.5	5.0	50	65	50	10W	.12	150	S1Δ	△	
▼	1N2011C	117	143	10	50	65	50	10W	.12	150	S1Δ		
▼	1N2012	135	165	10	50	82	50	10W	.12	150	S1Δ	S19aΔ	
▼	1N2012A	142.5	157.5	5.0	50	82	50	10W	.12	150	S1Δ	△	
▼	1N2012C	135	165	10	50	82	50	10W	.12	150	S1Δ		
▼	1N2032	4.3	5.4	10	10	55	10	750	.00	150	S1	D012	
▼	1N2033	5.2	6.4	10	10	20	10	750	.015	150	S1	D012	
▼	1N2034	6.2	8.0	10	10	8.0	10	750	.041	150	S1	D012	
▼	1N2035	7.5	10	10	10	15	10	750	.055	150	S1	D012	
▼	1N2036	9.0	12	10	5.0	50	5.0	750	.065	150	S1	D012	
▼	1N2037	11	14.5	10	5.0	70	5.0	750	.07	150	S1	D012	
▼	1N2038	13.5	18	15	5.0	120	5.0	750	.071	150	S1	D012	
▼	1N2039	17	21	10	5.0	200	5.0	750	.08	150	S1	D012	
▼	1N2040	20	27	15	5.0	300	5.0	750	.085	150	S1	D012	
▼	1N2041	4.3	5.4	10	1000	.50	1000	10W	.00	150	S1	D04	
▼	1N2041A	4.28	4.73	5.0	1000	.50	1000	10W	.02	150	S1		
▼	1N2041B	4.75	5.25	5.0	1000	.50	1000	10W	.00	150	S1		
▼	1N2042	5.2	6.4	10	1000	.70	1000	10W	.015	150	S1	D04	
▼	1N2042A	5.23	5.78	5.0	1000	.70	1000	10W	.015	150	S1		
▼	1N2042B	5.7	6.3	5.0	1000	.70	1000	10W	.03	150	S1		
▼	1N2043	6.2	8.0	10	1000	.80	1000	10W	.041	150	S1	D04	
▼	1N2043A	6.18	6.83	5.0	1000	.80	1000	10W	.038	150	S1		
▼	1N2043B	6.65	7.35	5.0	1000	.80	1000	10W	.043	150	S1		
▼	1N2043C	7.13	7.88	5.0	1000	.80	1000	10W	.047	150	S1		
▼	1N2044	7.5	10	10	1000	.80	1000	10W	.055	150	S1	D04	
▼	1N2044A	7.6	8.4	5.0	1000	.80	1000	10W	.05	150	S1		
▼	1N2044B	8.08	8.93	5.0	1000	.80	1000	10W	.054	150	S1		
▼	1N2044C	8.55	9.45	5.0	1000	.80	1000	10W	.057	150	S1		
▼	1N2044D	9.04	9.98	5.0	1000	.80	1000	10W	.058	150	S1		
▼	1N2045	9.0	12	10	500	1.5	500	10W	.065	150	S1	D04	
▼	1N2045A	9.5	10.5	5.0	500	1.5	500	10W	.06	150	S1		
▼	1N2045B	10.45	11.55	5.0	500	1.5	500	10W	.063	150	S1		
▼	1N2046	11	14.5	10	500	2.0	500	10W	.07	150	S1	D04	
▼	1N2046A	11.4	12.6	5.0	500	2.0	500	10W	.066	150	S1		
▼	1N2046B	12.35	13.65	5.0	500	2.0	500	10W	.069	150	S1		
▼	1N2046C	13.3	14.7	5.0	500	2.0	500	10W	.072	150	S1		
▼	1N2047	13.5	18	15	500	3.0	500	10W	.075	150	S1	D04	
▼	1N2047A	14.25	15.75	5.0	500	3.0	500	10W	.075	150	S1		
▼	1N2047B	15.2	16.8	5.0	500	3.0	500	10W	.076	150	S1		
▼	1N2047C	16.15	17.85	5.0	500	3.0	500	10W	.077	150	S1		
▼	1N2048	17	21	10	500	3.0	500	10W	.08	150	S1	D04	
▼	1N2048A	17.1	18.9	5.0	500	3.0	500	10W	.078	150	S1		
▼	1N2048B	18.05	19.95	5.0	500	3.0	500	10W	.079	150	S1		
▼	1N2048C	19	21	5.0	500	3.0	500	10W	.081	150	S1		
▼	1N2049	20	27	15	150	8.0	150	10W	.085	150	S1	D04	
▼	1N2049A	20.9	23.1	5.0	150	8.0	150	10W	.084	150	S1		
▼	1N2049B	22.8	25.2	5.0	150	8.0	150	10W	.086	150	S1		
▼	1N2049C	24.7	27.3	5.0	150	8.0	150	10W	.088	150	S1		
▼	1N2163	9.0	9.8	4.5	10	15	10	1000	.005*	70	S1Δ		
▼	1N2163A	9.2	9.6	2.0	10	15	10	1000	.005*	70	S1Δ		
▼	1N2164	9.0	9.8	4.5	10	15	10	1000	.005*	125	S1Δ		
▼	1N2164A	9.2	9.6	2.0	10	15	10	1000	.005*	125	S1Δ		
▼	1N2165	9.0	9.8	4.5	10	15	10	1000	.005*	185	S1Δ		
▼	1N2165A	9.2	9.6	2.0	10	15	10	1000	.005*	185	S1Δ		
▼	1N2166	9.0	9.8	4.5	10	15	10	1000	.001*	70	S1Δ		
▼	1N2166A	9.2	9.6	2.0	10	15	10	1000	.001*	70	S1Δ		
▼	1N2167	9.0	9.8	4.5	10	15	10	1000	.001*	125	S1Δ		
▼	1N2167A	9.2	9.6	2.0	10	15	10	1000	.001*	125	S1Δ		
▼	1N2168	9.0	9.8	4.5	10	15	10	1000	.001*	185	S1Δ		
▼	1N2168A	9.2	9.6	2.0	10	15	10	1000	.001*	185	S1Δ		

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

SEE BACK COVER
for
EXPLANATION of SYMBOLS.

NAVWEPS 16-1-530
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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I_Z (ma)	Z (ohms)	@ I_Z (ma)				STATUS	MAT.	DWG. No.
▼	1N2169	9.0	9.8	4.5	10	15	10	1000	.0005*	70	S1Δ		
	1N2169A	9.2	9.6	2.0	10	15	10	1000	.0005*	70	S1Δ		
	1N2170	9.0	9.8	4.5	10	15	10	1000	.0005*	125	S1Δ		
▼	1N2170A	9.2	9.6	2.0	10	15	10	1000	.0005*	125	S1Δ		
	1N2171	9.0	9.8	4.5	10	15	10	1000	.0005*	185	S1Δ		
	1N2171A	9.2	9.6	2.0	10	15	10	1000	.0005*	185	S1Δ		
▼	1N2171B	9.31	9.49	1.0	10	15	10	1000	.0005*	185	S1Δ		
	1N2387	27	33	10□	2.0	160	2.0	1000	.076	200A	S1		
	1N2498	9.0	11	10	500	2.0	500	10W	.06	150	S1Δ	S19aΔ	
▼	1N2498A	9.5	10.5	5.0	500	2.0	500	10W	.06	150	S1Δ	D04Δ	
	1N2498C	9.0	11	10	500	2.0	500	10W	.06	150	S1Δ		
	1N2499	9.9	12.1	10	500	2.0	500	10W	.06	150	S1Δ	S19aΔ	
▼	1N2499A	10.45	11.15	5.0	500	2.0	500	10W	.06	150	S1Δ	D04Δ	
	1N2499C	9.9	12.1	10	500	2.0	500	10W	.06	150	S1Δ		
	1N2500	10.8	13.2	10	500	2.0	500	10W	.06	150	S1Δ	S19aΔ	
▼	1N2500A	11.4	12.6	5.0	500	2.0	500	10W	.06	150	S1Δ	D04Δ	
	1N2500C	10.8	13.2	10	500	2.0	500	10W	.06	150	S1Δ		
	1N2620	8.9	9.7	4.3	10	15	10	750	.01	75	S1	A31a	
▼	1N2620A	8.9	9.7	4.3	10	15	10	750	.01	100	S1	A31a	
	1N2621A	8.9	9.7	4.3	10	15	10	750	.005	100	S1	A31a	
	1N2622	8.9	9.7	4.3	10	15	10	750	.002	75	S1	A31a	
▼	1N2622A	8.9	9.7	4.3	10	15	10	750	.002	100	S1	A31a	
	1N2623	8.9	9.7	4.3	10	15	10	750	.001	75	S1	A31a	
	1N2623A	8.9	9.7	4.3	10	15	10	750	.001	100	S1	A31a	
▼	1N2624A	8.9	9.7	4.3	10	15	10	750	.0005	100	S1	A31a	
	1N2624B	8.9	9.7	4.3	10	15	10	750	.0005	150	S1	A31a	
	1N2767	19.38	21.42	5.0	7.5	60	7.5		.005	175	S1	A48d	
▼	1N2767A	19.38	21.42	5.0	7.5	60	7.5		.0025	175	S1	A48d	
	1N2769	32.3	35.7	5.0	7.5	100	7.5		.005	175	S1	A48e	
	1N2769A	32.3	35.7	5.0	7.5	100	7.5		.0025	175	S1	A48e	
▼	1N2770	38.78	42.84	5.0	7.5	120	7.5		.005	175	S1	A48e	
	1N2770A	38.78	42.84	5.0	7.5	120	7.5		.0025	175	S1	A48e	
	1N2790	8.1	8.9	5.0	10	15	10	1000	.002	200	R	S1	
▼♦	1N2804	5.4	8.2	20Ø	1850	.20	1850	50W	.04	175J	S1Δ	C5aΔ	
	USN1N2804B	6.46	7.14	5.0	1850	.20	1850	50W		175A	N	S1Δ	C5aΔ
	USN1N2804RB	6.46	7.14	5.0	1850	.20	1850	50W		175A	N	S1Δ	C5a
♦	1N2805	6.0	9.0	20Ø	1700	.50	1700	50W	.045	175J	S1Δ	C5aΔ	
	USN1N2805B	7.13	7.87		1700	.30	1700	50W		175A	N	S1Δ	C5aΔ
	USN1N2806B	7.79	8.61		1500	.40	1500	50W		175A	N	S1Δ	C5aΔ
▼	1N2807B	8.645	9.555	5.0	1370	.50	1370	50W	.051	175J	S1	C5a	
	USN1N2807B	8.65	9.55		1370	.50	1370	50W		175A	N	S1Δ	C5aΔ
	1N2807RB	8.645	9.555	5.0	1370	.50	1370	50W	.051	175J	S1	C5a	
▼♦	USN1N2808B	9.5	10.5		1200	.60	1200	50W		175A	N	S1Δ	C5aΔ
	USN1N2808RB	9.5	10.5		1200	.60	1200	50W		175A	N	S1Δ	C5a
	1N2809A	9.9	12.1	10Ø	1100	.80	1100	50W	.060	175J	S1Δ	C5a	
♦	USN1N2809B	10.45	11.55		1100	.80	1100	50W		175A	N	S1Δ	C5aΔ
	1N2810B	11.4	12.6	5.0	1000	1.0	1000	50W	.065	175A	S1Δ	C5a	
	USN1N2810B	11.40	12.60		1000	1.0	1000	50W		175A	N	S1Δ	C5aΔ
♦	USN1N2811B	12.35	13.65		960	1.1	960	50W		175A	N	S1Δ	C5aΔ
	USN1N2813B	14.25	15.75		830	1.4	830	50W		175A	N	S1Δ	C5aΔ
	1N2813RB	14.25	15.75	5.0	830	1.4	830	50W	.070	175A	S1Δ	C5a	
▼	1N2814	12.8	19.2	20Ø	780	1.6	780	50W	.07	175J	S1Δ	C5a	
	1N2814B	15.2	16.8	5.0	780	1.6	780	50W	.070	175A	S1Δ	C5a	
	USN1N2814B	15.20	16.80		780	1.6	780	50W		175A	N	S1Δ	C5aΔ
▼	1N2815B	16.65	17.35	5.0	740	1.8	740	50W	.075	175A	S1Δ	C5a	
	USN1N2816B	17.10	18.90	5.0	700	2.0	700	50W		175A	N	S1Δ	C5aΔ
	1N2818A	18	22	10Ø	630	2.4	630	50W	.075	175J	S1Δ	C5a	
▼	1N2818B	19.0	21.0	5.0	630	2.4	630	50W	.075	175A	S1Δ	C5aΔ	
	USN1N2818B	19.0	21.0	5.0	630	2.4	630	50W		175A	N	S1Δ	C5aΔ
	USN1N2818RB	19.0	21.0	5.0	630	2.4	630	50W		175A	N	S1Δ	C5a
♦	1N2819A	19.8	24.2	10Ø	570	2.5	570	50W	.080	175J	S1Δ	C5a	
	USN1N2819B	20.9	23.1	5.0	570	2.5	570	50W		175A	N	S1Δ	C5aΔ
	1N2820	19.2	28.8	20Ø	520	2.6	520	50W	.08	175J	S1Δ	C5a	

▼ -- TYPE NUMBER IN NAVY STOCK SYSTEM.
 □ -- MECHANICAL AND ENVIRONMENTAL TEST.
 ♦ -- PREFERRED TYPE - MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP.	DESCRIPTION		
		Min. -Eb1 (volts)	Max. -Eb2 (volts)	Nom. Toler- ance (\pm %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				STATUS	MAT.	DWG. No.
Explained at bottom of page	1N2820A	21.6	26.4	10Ø	520	2.6	520	50W	.080	175J	S1Δ	C5a	
▼	1N2820B	23.8	25.2	5.0	520	2.6	520	50W	.08	175J	S1Δ	C5a	
◆	USN1N2820B	22.8	25.2	5.0	520	2.6	520	50W		175A	N	S1Δ C5aΔ	
▼	1N2820RB	23.8	25.2	5.0	520	2.6	520	50W	.080	175A	S1Δ	C5a	
◆	1N2821	20	30	20Ø	500	2.7	500	50W	.08	175J	S1Δ	C5a	
◆	1N2821A	22.5	27.5	10Ø	500	2.7	500	50W	.080	175J	S1Δ	C5a	
▼	1N2822B	26.65	28.35	5.0	460	2.8	460	50W	.085	175A	S1Δ	C5a	
◆	USN1N2822B	25.7	28.3	5.0	460	2.8	460	50W		175A	N	S1Δ C5aΔ	
◆	1N2823A	27	33	10Ø	420	3.0	420	50W	.085	175J	S1Δ	C5a	
▼	1N2823B	28.5	31.5	5.0	420	3.0	420	50W	.085	175A	S1Δ	C5a	
◆	USN1N2823B	28.5	31.5	5.0	420	3.0	420	50W		175A	N	S1Δ C5aΔ	
▼	1N2824B	31.35	34.65	5.0	380	3.2	380	50W	.085	175A	S1Δ	C5a	
◆	USN1N2824B	31.4	34.6	5.0	380	3.2	380	50W		175A	N	S1Δ C5aΔ	
◆	1N2825	28.8	43.2	20Ø	350	3.5	350	50W	.085	175J	S1Δ	C5a	
◆	1N2825A	32.4	39.6	10Ø	350	3.5	350	50W	.085	175J	S1Δ	C5a	
◆	USN1N2825B	34.2	37.8	5.0	350	3.5	350	50W		175A	N	S1Δ C5aΔ	
◆	1N2826A	35.1	42.9	10Ø	320	4.0	320	50W	.090	175J	S1Δ	C5a	
▼	1N2826B	37.05	40.95	5.0	320	4.0	320	50W	.090	175A	S1Δ	C5a	
◆	USN1N2826B	37.1	40.9	5.0	320	4.0	320	50W		175A	N	S1Δ C5aΔ	
◆	1N2827A	38.7	47.3	10Ø	290	4.5	290	50W	.09	175J	S1Δ	C5a	
▼	1N2827B	40.85	45.15	5.0	290	4.5	290	50W	.090	175A	S1Δ	C5a	
◆	USN1N2827B	40.9	45.1	5.0	290	4.5	290	50W		175A	N	S1Δ C5aΔ	
◆	1N2828A	40.5	49.5	10Ø	280	4.5	280	50W	.090	175J	S1Δ	C5a	
◆	1N2829A	42.3	51.7	10Ø	270	5.0	270	50W	.090	175J	S1Δ	C5a	
▼	1N2829B	44.65	49.35	5.0	270	5.0	270	50W	.090	175A	S1Δ	C5a	
◆	USN1N2829B	44.7	49.3	5.0	270	5.0	270	50W		175A	N	S1Δ C5aΔ	
▼	1N2830B	47.5	52.5	5.0	250	5.0	250	50W	.090	175A	S1Δ	C5a	
◆	1N2831A	45.9	56.1	10Ø	245	5.2	245	50W	.090	175J	S1Δ	C5a	
▼	1N2831B	48.45	53.55	5.0	245	5.2	245	50W	.090	175A	S1Δ	C5a	
◆	USN1N2831B	48.6	53.5	5.0	245	5.2	245	50W		175A	N	S1Δ C5aΔ	
◆	1N2832A	50.4	61.6	10Ø	220	6.0	220	50W	.090	175J	S1Δ	C5a	
▼	1N2832B	53.2	58.8	5.0	220	6.0	220	50W	.090	175A	S1Δ	C5a	
◆	USN1N2832B	53.2	58.2	5.0	220	6.0	220	50W		175A	N	S1Δ C5aΔ	
◆	USN1N2833B	58.9	65.1	5.0	200	7.0	200	50W		175A	N	S1Δ C5aΔ	
▼	1N2834B	64.6	71.4	5.0	180	8.0	180	50W	.09	175A	S1Δ	C5a	
◆	USN1N2834B	64.6	71.4	5.0	180	8.0	180	50W		175A	N	S1Δ C5aΔ	
◆	1N2835	60	90	20Ø	170	9.0	170	50W	.09	175J	S1Δ	C5a	
◆	1N2835A	67.5	82.5	10Ø	170	9.0	170	50W	.090	175J	S1Δ	C5a	
▼◆	USN1N2835B	71.3	78.7	5.0	170	9.0	170	50W		175A	N	S1Δ C5aΔ	
◆	1N2836A	73.8	90.2	10Ø	150	11	150	50W	.090	175J	S1Δ	C5a	
◆	USN1N2836B	77.9	86.1	5.0	150	11	150	50W		175A	N	S1Δ C5aΔ	
◆	1N2837A	81.9	100.1	10Ø	140	15	140	50W	.090	175J	S1Δ	C5a	
◆	USN1N2837B	86.5	95.5	5.0	140	15	140	50W		175A	N	S1Δ C5aΔ	
◆	1N2838	80	120	20Ø	120	20	120	50W	.095	175J	S1Δ	C5a	
◆	1N2838A	90	110	10Ø	120	20	120	50W	.095	175J	S1Δ	C5a	
▼	1N2838B	95	105.0	5.0	120	20	120	50W	.090	175A	S1Δ	C5a	
◆	USN1N2838B	95.0	105	5.0	120	20	120	50W		175A	N	S1Δ C5aΔ	
◆	1N2839A	94.5	115.5	10Ø	120	25	120	50W	.095	175J	S1Δ	C5a	
▼	1N2840B	104.5	115.5	5.0	110	30	110	50W	.095	175A	S1Δ	C5a	
◆	USN1N2840B	104.5	115.5	5.0	110	30	110	50W		175A	N	S1Δ C5aΔ	
◆	1N2841B	114	126	5.0	100	40	100	50W	.095	175A	S1Δ	C5a	
◆	USN1N2841B	114	126	5.0	100	40	100	50W		175A	N	S1Δ C5aΔ	
◆	1N2842A	117	143	10Ø	95	50	95	50W	.095	175J	S1Δ	C5a	
◆	USN1N2842B	124	136.5	5.0	95	50	95	50W		175A	N	S1Δ C5aΔ	
◆	1N2843B	142.5	157.5	5.0	85	75	85	50W	.095	175A	S1Δ	C5a	
◆	USN1N2843B	143	157.5	5.0	85	75	85	50W		175A	N	S1Δ C5aΔ	
◆	USN1N2844B	152	168	5.0	80	80	80	50W		175A	N	S1Δ C5aΔ	
◆	USN1N2845B	171	182	5.0	68	90	68	50W		175A	N	S1Δ C5aΔ	
◆	1N2845RB	171	189	5.0	68	90	68	50W	.095	175	S1	C5a	
◆	1N2846A	180	220	10Ø	65	100	65	50W	.095	175J	S1Δ	C5a	
▼	1N2846B	190	210	5.0	65	100	65	50W	.095	175J	S1Δ	C5a	
◆	USN1N2846B	190	210	5.0	65	100	65	50W		175A	N	S1Δ C5aΔ	
▼	1N2846RB	190	210	5.0	65	100	65	50W	.095	175J	S1Δ	C5a	

▼ = TYPE NUMBER IN NAVY STOCK SYSTEM

□ = MECHANICAL AND ENVIRONMENTAL TEST

PREFERRED TYPE — MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP.	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (\pm %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S ATUS	MAT.	DWG. No.
▼	1N2961	48	54	5.0	100	7.0	100	50W	.074	175C	S1Δ		
	1N2970	5.4	8.2	20Ø	370	1.2	370	10W	.040	175J	S1		D04Δ
	1N2970A	6.12	7.48	10Ø	370	1.2	370	10W	.040	175J	S1		D04Δ
▼	1N2970B	6.46	7.14	5.0	370	1.2	370	10W		175J	A	S1	D04Δ
▼	1N2970RB	5.4	8.2	20Ø	370	1.2	370	10W	.04	175J	S1Δ		D04Δ
	1N2971	6.0	9.0	20Ø	335	1.3	335	10W	.045	175J	S1		D04Δ
▼♦	1N2971B	7.12	7.88	5.0	335	1.3*	335	10W		175J	A	S1	D04Δ
	USA1N2971RB	7.125	7.875	5.0	335	1.3	335	10W	.045	175J	S1		D04
	1N2972A	7.38	9.02	10Ø	305	1.5	305	10W	.048	175J	S1		D04Δ
▼	1N2972B	7.79	8.61	5.0	305	1.5*	305	10W		175J	A	S1	D04Δ
	1N2973B	8.75	9.55	5.0	275	2.0*	275	10W		175J	A	S1	D04Δ
	1N2974A	9.0	11	10Ø	250	3.0	250	10W	.055	175J	S1		D04Δ
▼♦	USA1N2974B	9.5	10.5	5.0	250	3.0	250	10W	.055	175J	S1		D04
▼♦	USA1N2974RB	9.5	10.5	5.0	250	3.0	250	10W	.055	175J	S1		D04
	1N2975	8.8	13.2	20Ø	230	3.0	230	10W	.060	175J	S1		D04Δ
	1N2975A	9.9	12.1	10Ø	230	3.0	230	10W	.060	175J	S1		D04Δ
▼	1N2975B	10.45	11.55	5.0	230	3.0*	230	10W		175J	A	S1	D04Δ
	1N2975RB	10.45	11.55	5.0	230	3.0	230	10W		175S	S1		D04
	1N2976	9.6	14.4	20Ø	210	3.0	210	10W	.065	175J	S1		D04Δ
	1N2976A	10.8	13.2	10Ø	210	3.0	210	10W	.065	175J	S1		D04Δ
▼	1N2976B	11.6	12.6	5.0	210	3.0*	210	10W		175J	A	S1	D04Δ
	1N2977A	11.7	14.3	10Ø	190	3.0	190	10W	.065	175J	S1		D04Δ
	1N2977B	12.35	13.65	5.0	190	3.0*	190	10W		175J	A	S1	D04Δ
	1N2979A	13.5	16.5	10Ø	170	3.0	170	10W	.07	175J	S1		D04Δ
▼	1N2979B	14.25	15.75	5.0	170	3.0*	170	10W		175J	A	S1	D04Δ
▼	1N2980B	15.2	16.8	5.0	155	4.0*	155	10W		175J	A	S1	D04Δ
♦	USA1N2980B	15.2	16.8	5.0	155	4.0*	155	10W		175J	A	S1	D04Δ
	1N2982A	16.2	19.8	10Ø	140	4.0	140	10W	.075	175J	S1		D04Δ
▼	1N2982B	17.1	18.9	5.0	140	4.0*	140	10W		175J	A	S1	D04Δ
▼	1N2982RB	17.10	18.90	5.0	140	4.0	140	10W		175S	S1		D04
	1N2984A	18	22	10Ø	125	4.0	125	10W	.075	175J	S1		D04Δ
▼	USA1N2984B	19	21	5.0	125	4.0*	125	10W		175J	A	S1	D04Δ
▼♦	USA1N2984RB	19	21	5.0	125	4.0	125	10W	.075	175J	S1		D04
	1N2985A	19.8	24.2	10Ø	115	5.0	115	10W	.080	175J	S1		D04Δ
	1N2985B	20.9	23.1	5.0	115	5.0*	115	10W		175J	A	S1	D04Δ
▼	USA1N2985B	20.9	23.1	5.0	115	5.0*	115	10W		175J	A	S1	D04Δ
	1N2986	19.2	28.8	20Ø	105	5.0	105	10W	.080	175J	A	S1	D04Δ
	1N2986A	21.6	26.4	10Ø	105	5.0	105	10W	.080	175J	S1		D04Δ
▼	1N2986B	22.8	25.2	5.0	105	5.0*	105	10W		175J	A	S1	D04Δ
	1N2987	20	30	20Ø	100			10W			S1		D04Δ
▼	1N2988B	25.65	28.35	5.0	95	7.0*	95	10W		175J	A	S1	D04Δ
▼♦	USA1N2988RB	25.65	28.35	5.0	95	7.0*	95	10W		175J	A	S1	D04
	1N2989	24	36	20Ø	85	8.0	85	10W	.085	175J	A	S1	D04Δ
	1N2989A	27	33	10Ø	85	8.0	85	10W	.085	175J	S1		D04Δ
▼	1N2989B	28.5	31.5	5.0	85	8.0	85	10W		175J	A	S1	D04Δ
▼♦	USA1N2989RB	28.5	31.5	5.0	85	8.0	85	10W	.085	175J	S1		D04
	1N2990B	31.35	34.65	5.0	75	9.0*	75	10W		175J	A	S1	D04Δ
▼♦	USA1N2990B	31.35	34.65	5.0	75	9.0	75	10W	.085	175J	S1		D04
	1N2991	28.8	43.2	20Ø	70	10	70	10W	.085	175J	A	S1	D04Δ
	1N2991A	32.4	39.6	10Ø	70	10	70	10W	.085	175J	S1		D04Δ
	1N2991B	34.2	37.8	5.0	70	10*	70	10W		175J	A	S1	D04Δ
	1N2992A	35.1	42.9	10Ø	65	11	65	10W	.090	175J	S1		D04Δ
▼	1N2992B	37.05	40.95	5.0	65	11*	65	10W		175J	A	S1	D04Δ
▼♦	USA1N2992B	37.15	40.85	5.0	50	15*	50	10W		175J	A	S1	D04
	USA1N2992RB	37.15	40.85	5.0	65	11	65	10W	.09	175J	S1		D04
	1N2993A	38.7	47.3	10Ø	60	12	60	10W	.090	175J	S1		D04Δ
▼	1N2993B	40.85	45.15	5.0	60	12*	60	10W		175J	A	S1	D04Δ
	1N2995A	42.3	51.7	10Ø	55	14	55	10W	.090	175J	S1		D04Δ
	1N2995B	44.65	49.35	5.0	55	14*	55	10W		175J	A	S1	D04Δ
	1N2997A	45.9	56.1	10Ø	50	15	50	10W	.090	175J	S1		D04Δ
▼♦	1N2997B	48.45	53.55	5.0	50	15*	50	10W		175J	A	S1	D04Δ
	USA1N2997B	48.45	53.55	5.0	50	15*	50	10W		175J	A	S1	D04
	1N2999A	50.4	61.6	10Ø	45	16	45	10W	.090	175J	S1		D04Δ

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
▼	IN2999B	53.2	58.8	5.0	45	16*	45	10W		175J	A	S1	D04Δ
▼♦	USA1N2999B	53.2	58.8	5.0	45	16*	45	10W		175J	A	S1	D04Δ
	1N3000A	55.8	68.2	10Ø	40	17	40	10W	.090	175J		S1	D04Δ
▼	1N3000B	58.9	65.1	5.0	40	17*	40	10W		175J	A	S1	D04Δ
▼♦	USA1N3000B	58.9	65.1	5.0	40	17*	40	10W		175J	A	S1	D04Δ
	1N3001	54.4	81.6	20Ø	37	18	37	10W	.090	175J		S1	D04Δ
▼	1N3001A	61.2	74.8	10Ø	37	18	37	10W	.090	175J		S1	D04Δ
▼	1N3001B	64.6	71.4	5.0	37	18*	37	10W		175J	A	S1	D04Δ
	1N3002A	67.5	82.5	10Ø	33	22	33	10W	.090	175J		S1	D04Δ
▼	1N3002B	71.25	78.35	5.0	33	22*	33	10W		175J	A	S1	D04Δ
	1N3003A	73.8	90.2	10Ø	30	25	30	10W	.090	175J		S1	D04Δ
▼	1N3003B	77.9	86.1	5.0	30	25*	30	10W		175J	A	S1	D04Δ
▼	1N3004	77.8	109	20Ø	28	35	28	10W	.090	175J		S1	D04Δ
	1N3004A	81.9	100.1	10Ø	28	35	28	10W	.090	175J		S1	D04Δ
	1N3004B	86.45	95.55	5.0	28	35*	28	10W		175J	A	S1	D04Δ
	1N3005A	90	110	10Ø	25	40	25	10W	.09	175J		S1	D04Δ
	1N3005B	95	105	5.0	25	40*	25	10W		175J	A	S1	D04Δ
▼♦	USN1N3005B	95	105	5.0	25	40*	25	10W		175J	A	S1	D04Δ
▼	1N3005RB	95.0	105.0	5.0	25	40	25	10W		175S		S1	D04
	1N3007A	99	121	10Ø	23	55	23	10W	.095	175J		S1	D04Δ
▼	1N3007B	104.5	115.5	5.0	23	55*	23	10W		175J	A	S1	D04Δ
	1N3008A	108	132	10Ø	20	75	20	10W	.095	175J		S1	D04Δ
	1N3008B	114	126	5.0	20	75*	20	10W		175J	A	S1	D04Δ
	1N3009A	117	143	10Ø	19	100	19	10W	.095	175J		S1	D04Δ
	1N3009B	127.5	136.5	5.0	19	100*	19	10W		175J	A	S1	D04Δ
	1N3011	120	180	20Ø	17	175	17	10W	.095	175J		S1	D04Δ
	1N3011A	135	165	10Ø	17	175	17	10W	.095	175J		S1	D04Δ
▼	1N3011B	142.5	157.5	5.0	17	175*	17	10W		175J	A	S1	D04Δ
	1N3012B	152	168	5.0	16	200*	16	10W		175J	A	S1	D04Δ
▼♦	USA1N3012B	152	168	5.0	16	200	16	10W	.095	175J		S1	D04
	1N3014B	171	189	5.0	14	260*	14	10W		175J	A	S1	D04Δ
	1N3015A	180	220	10Ø	12	300	12	10W	.100	175J		S1	D04Δ
▼	1N3015B	190	210	5.0	12	300*	12	10W		175J	A	S1	D04Δ
	1N3016	5.4	8.2	20Ø	37	3.5	37	1000	.04	175J		S1	A31a
	1N3016A	6.12	7.48	10Ø	37	3.5	37	1000	.040	175J		S1	A31a
	1N3016B	6.46	7.14	5.0	37	3.5	37	1000	.04	175J		S1	A31a
	1N3017	6.0	9.0	20Ø	34	4.0	34	1000	.045	175J		S1	A31a
▼	1N3017B	7.125	7.875	5.0	34	4.0	34	1000	.045	175J		S1	A31a
	1N3018A	7.38	9.02	10Ø	31	4.5	31	1000	.048	175J		S1	A31a
▼	1N3018B	7.79	8.61	5.0	31	4.5	31	1000	.048	175J		S1	A31a
▼♦	USN1N3019B	8.65	9.55	5.0	28	5.0	28	1000	.068	175		S1	A31a
	1N3020A	9.0	11	10Ø	25	7.0	25	1000	.055	175J		S1	A31a
▼	1N3020B	9.5	10.5	5.0	25	7.0	25	1000	.055	175J		S1	A31a
	1N3021A	9.9	12.1	10Ø	23	8.0	23	1000	.060	175J		S1	A31a
▼♦	USN1N3021B	10.45	11.55	5.0	23	8.0	23	1000	.073	175		S1	A31a
	1N3022A	10.8	13.2	10Ø	21	9.0	21	1000	.065	175J		S1	A31a
▼♦	USN1N3022B	11.40	12.60	5.0	21	9.0	21	1000	.076	175		S1	A31a
	1N3023A	11.7	14.3	10Ø	19	10	19	1000	.065	175J		S1	A31a
▼	1N3023B	12.35	13.65	5.0	19	10	19	1000	.065	175J		S1	A31a
	1N3024A	13.5	16.5	10Ø	17	14	17	1000	.07	175J		S1	A31a
▼	1N3024B	14.25	15.75	5.0	17	14	17	1000	.070	175J		S1	A31a
▼	1N3025B	15.25	16.8	5.0	15.5	16	15.5	1000	.070	175J		S1	A31a
	1N3026A	16.2	19.8	10Ø	14	20	14	1000	.075	175J		S1	A31a
	1N3026B	17.1	18.9	5.0	14	20	14	1000	.075	175J		S1	A31a
▼	1N3027B	19	21	5.0	12.5	22	12.5	1000	.075	175J		S1	A31a
	1N3028A	19.8	24.2	10Ø	11.5	23	11.5	1000	.080	175J		S1	A31a
▼♦	USN1N3028B	20.9	23.1	5.0	11.5	23	11.5	1000	.087	175		S1	A31a
▼	1N3029B	22.8	25.2	5.0	10.5	25	10.5	1000	.08	175J		S1	A31a
	1N3030A	24.3	29.7	10Ø	9.5	35	9.5	1000	.085	175J		S1	A31a
▼	1N3030B	25.7	28.3	5.0	9.5	35	9.5	1000	.09	175		S1	A31a
	1N3031A	27	33	10Ø	8.5	40	8.5	1000	.085	175J		S1	A31a
▼♦	USN1N3031B	28.5	31.5	5.0	8.5	31	8.5	1000	.091	175		S1	A31a
	1N3032A	29.7	36.3	10Ø	7.5	45	7.5	1000	.085	175J		S1	A31a

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

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for

EXPLANATION of SYMBOLS.

NAVWEPS 16-1-530
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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP.	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				STATUS	MAT.	DWG. No.
▼	1N3032B	31.35	34.65	5.0	7.5	45	7.5	1000	.085	175J	S1	A31a	
▼	1N3033A	32.4	39.6	10Ø	7.0	50	7.0	1000	.085	175J	S1	A31a	
▼	1N3033B	34.2	37.8	5.0	7.0	50	7.0	1000	.085	175J	S1	A31a	
▼	1N3034A	35.1	42.9	10Ø	6.5	60	6.5	1000	.090	175J	S1	A31a	
▼	1N3034B	37.05	40.95	5.0	6.5	60	6.5	1000	.09	175J	S1	A31a	
▼	1N3035A	38.7	47.3	10Ø	6.0	70	6.0	1000	.09	175J	S1	A31a	
▼	1N3035B	40.85	45.15	5.0	6.0	70	6.0	1000	.090	175J	S1	A31a	
▼	1N3036A	42.3	51.7	10Ø	5.5	80	5.5	1000	.090	175J	S1	A31a	
▼	1N3036B	44.65	49.35	5.0	5.5	80	5.5	1000	.090	175J	S1	A31a	
▼	1N3037A	45.9	56.1	10Ø	5.0	95	5.0	1000	.090	175J	S1	A31a	
▼	1N3037B	48.45	53.55	5.0	5.0	95	5.0	1000	.090	175J	S1	A31a	
▼	1N3039A	55.8	68.2	10Ø	4.0	125	4.0	1000	.090	175J	S1	A31a	
▼	1N3039B	53.2	58.8	5.0	4.0	125	4.0	1000	.090	175J	S1	A31a	
▼	1N3040A	61.2	74.8	10Ø	3.7	150	3.7	1000	.090	175J	S1	A31a	
▼	1N3040B	64.6	71.4	5.0	3.7	150	3.7	1000	.090	175J	S1	A31a	
▼	1N3041A	67.5	82.5	10Ø	3.3	175	3.3	1000	.090	175J	S1	A31a	
▼	1N3041B	71.25	78.75	5.0	3.3	175	3.3	1000	.090	175J	S1	A31a	
▼	1N3042A	73.8	90.2	10Ø	3.0	200	3.0	1000	.090	175J	S1	A31a	
▼	1N3042B	7.9	86.1	5.0	3.0	200	3.0	1000	.090	175J	S1	A31a	
▼	1N3043A	81.9	100.1	10Ø	2.8	250	2.8	1000	.090	175J	S1	A31a	
▼	1N3044A	90	110	10Ø	2.5	350	2.5	1000	.090	175J	S1	A31a	
▼♦	USN1N3044B	95	105	5.0	2.5	350	2.5	1000	.10	175	S1	A31a	
▼	1N3045A	99	121	10Ø	2.3	450	2.3	1000	.095	175J	S1	A31a	
▼	1N3046A	108	132	10Ø	2.0	550	2.0	1000	.095	175J	S1	A31a	
▼	1N3046B	114	126	5.0	2.0	550	2.0	1000	.095	175J	S1	A31a	
▼	1N3047A	117	143	10Ø	1.9	700	1.9	1000	.095	175J	S1	A31a	
▼	1N3048B	142.5	157.5	5.0	1.7	1000	1.7	1000	.095	175J	S1	A31a	
▼	1N3049A	148	176	10Ø	1.6	1100	1.6	1000	.095	175J	S1	A31a	
▼	1N3049B	152	168	5.0	1.6	1100	1.6	1000	.095	175J	S1	A31a	
▼	1N3050A	162	198	10Ø	1.4	1200	1.4	1000	.095	175J	S1	A31a	
▼	1N3050B	171	189	5.0	1.4	1200	1.4	1000	.095	175J	S1	A31a	
▼	1N3051B	190	210	5.0	1.2	1500	1.2	1000	1.0	175J	S1	A31a	
▼	1N3098	108	132	10	3.0	160	5.0	1000	.095	S1Δ			
▼	1N3100	162	198	10	3.0	180	5.0	1000	.095	S1Δ			
▼	1N3101	198	242	10	3.0	190	5.0	1000	.10	S1Δ			
▼	1N3102	108	132	10	3.0	90	7.5	10W	.095	S1Δ			
▼	1N3103	135	165	10	3.0	100	7.5	10W	.095	S1Δ			
▼	1N3112	7.13	7.88	5.0	120	2.0	30	1000	.047	S1	A6		
▼	1N3148	8.1	8.9	5.0	10	15	10	400	.005	200	R	S1	
▼	1N3154	8.0	8.8	5.0	10	15	10	400	.01	100	N	S1	
▼	1N3154A	8.0	8.8	5.0	10	15	10	400	.01	150	N	S1	
▼	1N3155	8.0	8.8	5.0	10	15	10	400	.005	100	N	S1	
▼	1N3155A	8.0	8.8	5.0	10	15	10	400	.005	150	N	S1	
▼	1N3156	8.0	8.8	5.0	10	15	10	400	.002	100	N	S1	
▼	1N3156A	8.0	8.8	5.0	10	15	10	400	.002	150	N	S1	
▼	1N3157	8.0	8.8	5.0	10	15	10	400	.001	100	N	S1	
▼	1N3181	.38	9.02	10	14	10	14	600	.49	100	N	S1	
▼	1N3287	.208	.312	20	1.0	60	1.0	80	.077	90	N	Ge	
▼	1N3315	12.8	19.2	20Ø	780	1.6	250	50W	.07	175J	S1	D05Δ	
▼	1N3321	19.2	28.8	20Ø	520	2.6	250	50W	.080	175J	S1	D05Δ	
▼	1N3322	20	30	20Ø	500	2.7	250	50W	.080	175J	S1	D05Δ	
▼	1N3326	28.8	43.2	20Ø	350	3.5	300	50W	.085	175J	S1	D05Δ	
▼	1N3337	60	90	20Ø	170	9.0	600	50W	.090	175J	S1	D05Δ	
▼	1N3340	80	120	20Ø	120	20	900	50W	.090	175J	S1	D05Δ	
▼	1N3394 Ø	1.98	2.42	10Ø	50	10	50	500		200A	S1	P5	
▼	1N3395 Ø	2.43	2.97	10Ø	50	20	50	500		200A	S1	P5	
▼	1N3401 Ø	7.38	9.02	10Ø	10	15	10	500		200A	S1	P5	
▼	1N3402 Ø	9.0	11	10Ø	10	15	10	500		200A	S1	P5	
▼	1N3404 Ø	13.5	16.5	10Ø	10	25	10	500		200A	S1	P5	
▼	1N3405 Ø	16.2	19.8	10Ø	10	35	10	500		200A	S1	P5	
▼	1N3406 Ø	19.8	24.2	10Ø	3.0	50	3.0	500		200A	S1	P5	
▼	1N3409 Ø	35.1	42.9	10Ø	3.0			500		200A	S1	P5	
▼	1N3410 Ø	42.3	51.7	10Ø	3.0			500		200A	S1	P5	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	STATUS	DESCRIPTION	
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _z (ma)	Z (ohms)	@ I _z (ma)					MAT.	DWG. No.
	1N3411	5.6	6.8	10	1.0	400	1.0	500	.019	200A	S1	P5	
	1N3415	9.0	11	10 \square	1.0	80	1.0	500		200A	S1	P5	
	1N3416	10.8	13.2	10 \square	1.0	110	1.0	500		200A	S1	P5	
	1N3417	13.5	16.5	10 \square	1.0	140	1.0	500		200A	S1	P5	
	1N3418	16.2	19.8	10 \square	1.0	190	1.0	500		200A	S1	P5	
	1N3419	19.8	24.2	10 \square	1.0	220	1.0	500		200A	S1	P5	
	1N3421	27	33	10	1.0	320	1.0	500	.082	200A	S1	P5	
	1N3423	35.1	42.9	10 \square	1.0	440	1.0	500		200A	S1	P5	
	1N3424	42.3	51.7	10 \square	1.0	540	1.0	500		200A	S1	P5	
	1N3426	61.2	74.8	10 \square	1.0	800	1.0	500		200A	S1	P5	
	1N3427	3.8	90.2	10 \square	1.0	960	1.0	500		200A	S1	P5	
	1N3430	135	165	10 \square	1.0	1800	1.0	500		200A	S1	P5	
	1N3463	198	242	10 \square	2.0	1300	2.0	2000		200A	S1	S36	
	1N3501	6.2	6.5	2.0	7.5	12	7.5		.0013	100	S1	D07	
	1N3502	6.2	6.5	2.0	7.5	12	7.5		.0007	100	S1	D07	
	1N3503	6.2	6.5	2.0	7.5	12	7.5		.0013	100	S1	D07	
	1N3504	6.2	6.5	2.0	7.5	12	7.5		.0013	100	S1	D07	
	1N3506	3.13	3.47	5.0	20	24	20	400	.062	200A	S1	D07	
	1N3507	3.42	3.78	5.0	20	22	20	400	.055	200A	S1	D07	
	1N3508	3.7	4.1	5.0	20	20	20	400	.049	200A	S1	D07	
	1N3509	4.08	4.52	5.0	20	18	20	400	.036	200A	S1	D07	
	1N3510	4.46	4.94	5.0	20	16	20	400	.018	200A	S1	D07	
	1N3511	4.84	5.36	5.0	20	14	20	400	.008	200A	S1	D07	
	1N3512	5.32	5.88	5.0	20	8.0	20	400	.006	200A	S1	D07	
	1N3513	5.89	6.51	5.0	20	3.0	20	400	.022	200A	S1	D07	
	1N3514	6.46	7.14	5.0	20	3.0	20	400	.035	200A	S1	D07	
	1N3515	7.12	7.88	5.0	10	4.0	10	400	.045	200A	S1	D07	
	1N3516	7.79	8.61	5.0	10	5.0	10	400	.052	200A	S1	D07	
	1N3518	9.5	10.5	5.0	10	7.0	10	400	.06	200A	S1	D07	
	1N3519	10.45	11.55	5.0	10	8.0	10	400	.065	200A	S1	D07	
	1N3520	11.4	12.6	5.0	10	10	10	400	.07	200A	S1	D07	
	1N3521	12.35	13.65	5.0	5.0	12	5.0	400	.075	200A	S1	D07	
	1N3522	14.25	15.75	5.0	5.0	14	5.0	400	.08	200A	S1	D07	
	1N3523	15.2	16.8	5.0	5.0	16	5.0	400	.085	200A	S1	D07	
	1N3524	17.1	18.9	5.0	5.0	18	5.0	400	.09	200A	S1	D07	
	1N3525	19	21	5.0	5.0	20	5.0	400	.098	200A	S1	D07	
	1N3526	20.9	23.1	5.0	5.0	35	5.0	400	.10	200A	S1	D07	
	1N3527	22.8	25.2	5.0	5.0	38	5.0	400	.10	200A	S1	D07	
	1N3528	25.65	28.35	5.0	4.0	40	4.0	400	.10	200A	S1	D07	
	1N3529	28.5	31.5	5.0	4.0	48	4.0	400	.10	200A	S1	D07	
	1N3530	31.35	34.65	5.0	3.0	50	3.0	400	.10	200A	S1	D07	
	1N3531	34.2	37.8	5.0	3.0	75	3.0	400	.10	200A	S1	D07	
	1N3532	37.05	40.95	5.0	3.0	100	3.0	400	.10	200A	S1	D07	
	1N3533	40.85	45.15	5.0	2.0	130	2.0	400	.10	200A	S1	D07	
	1N3534	44.65	49.35	5.0	2.0	150	2.0	400	.10	200A	S1	D07	
	1N3537	11	13	10	25	2.4	25	1000	.058	175S	S1Δ	A31a	
	1N3786	6.0	9.0	20 \square	50	3.0	50	1500	.061	175	S1Δ	C14	
	1N3788	7.28	10.92	20 \square	41	4.0	41	1500	.068	175	S1Δ	C14	
	1N3790	8.8	13.2	20 \square	34	6.0	34	1500	.073	175	S1Δ	C14	
	1N3791	9.6	14.4	20 \square	31	7.0	31	1500	.076	175	S1Δ	C14	
	1N3795	14.4	21.6	20 \square	21	13	21	1500	.085	175	S1Δ	C14	
	1N3824	3.87	4.73	10 \square	58	9.0	58	1000		175	S1*	A31a	
	1N3826	4.49	5.61	10 \square	49	7.0	49	1000		175	S1*	A31a	
	1N3827	5.04	6.16	10 \square	45	5.0	45	1000		175	S1*	A31a	
	1N3828	5.58	6.82	10 \square	41	2.0	41	1000		175	S1*	A31a	
	1N3829	6.12	7.48	10 \square	37	1.5	37	1000		175	S1*	A31a	
	1T5.6	5.04	6.16	10	100	1.2	100	1000		S1	A6a		
	1Z4.3T5	4.1	4.5	5.0	50			1000	.04	165A	S1	D03	
▼	1Z4.7A	4.5	4.9	5.0	40			1000	.00	165A	S1	D03	
▼	1Z5.1T5	4.8	5.4	5.0	40			1000	.00	165A	S1	D03	
▼	1Z5.8T5	5.51	6.09	5.0	40			1000		165A	S1	D03	
▼	1Z6.2T5	5.9	6.5	5.0	35			1000	.03	165A	S1	D03	
▼	1Z6.8	5.4	8.2	20 \square	37	2.8	37	1000	.04	150	T	A3c	

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

□ - MECHANICAL AND ENVIRONMENTAL TEST.

♦ - PREFERRED TYPE - MIL-STD 701

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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ Iz (ma)	Z (ohms)	@ Iz (ma)				STATUS	MAT.	DWG. No.
▼	1Z6.8D	5.4	8.2	20Ø	37	3.5	37	1000	.040	175J	S1Δ	A6b	
▼	1Z9.1T5	8.6	9.6	5.0	25			1000	.06	165A	S1	D03	
▼	1Z13T5	12.3	13.7	5.0	15			1000	.075	165A	S1	D03	
▼	1Z15A	14.2	15.8	5.0	13			1000	.08	165A	S1	D03	
▼	1Z16T5	15.2	16.8	5.0	13			1000	.08	165A	S1	D03	
▼	1Z20T5	19	21	5.0	10			1000	.085	165A	S1	D03	
▼	1Z23A	21.85	24.15	5.0	40			1000		165A	S1	D03	
▼	1Z24T5	22.8	25.2	5.0	9.0			1000	.09	165A	S1	D03	
▼	1.5M8.2Z	6.6	9.8	20Ø	46	3.5	46	1.5W	.048	175C	S1	C14	
▼	1.5M9.1Z	7.3	10.9	20Ø	41	4.0	41	1.5W	.051	175C	S1	C14	
▼	1.5M10Z	8.0	12	20Ø	37	5.0	37	1.5W	.055	175C	S1	C14	
▼	1.5M12Z	9.6	14.4	20Ø	31	7.0	31	1.5W	.065	175C	S1	C14	
▼	1.5M12Z5	11.4	12.6	5.0	31	7.0	31	1500	.065	175J	S1	C12	
▼	1.5M15Z5	14.25	15.75	5.0	25	10	25	1500	.07	175J	S1	C12	
▼	1.5M16ZR5	15.2	16.8	5.0	23	11	23	1500	.07	175J	S1	C12	
▼	1.5M18Z	14.4	21.6	20Ø	22	13	22	1.5W	.075	175C	S1	C14	
▼	1.5M20Z5	19	21	5.0	19	15	19	1500	.075	175J	S1	C12	
▼	1.5M25Z	20	30	20Ø	15	18	15	1.5W	.08	175C	S1	C14	
▼	1.5M30Z5	28.5	31.5	5.0	12	25	12	1500	.085	175J	S1	C12	
▼	1.5M68Z	54.4	81.6	20Ø	5.5	95	5.5	1.5W	.09	175C	S1	C14	
▼	1.5M82Z5	77.9	86.1	5.0	4.5	130	4.5	1500	.09	175J	S1	C12	
▼	1.5M100Z5	95	105	5.0	3.7	200	3.7	1500	.09	175J	S1	C12	
▼	1.5M105Z	94.5	115.5	10	3.5	250	3.5	1500	.095	175J	S1	C12	
▼	1.5M105Z5	99.75	110.25	5.0	3.5	250	3.5	1500	.095	175J	S1	C12	
▼	1.5M120Z5	114	126	5.0	3.1	350	3.1	1500	.095	175J	S1	C12	
▼	1.5M130Z5	123.5	136.5	5.0	2.9	400	2.9	1500	.095	175J	S1	C12	
▼	1.5M150Z	120	180	20Ø	2.5	700	2.5	1.5W	.095	175C	S1	C12	
▼	1.5M200Z5	190	210	5.0	1.9	1000	1.9	1500	.10	175J	S1	C12	
▼	1.5Z9.1D	7.3	10.9	20Ø	41	4.0	41	1500	.051	175J	S1Δ	C12	
▼	1.5Z12D	9.6	14.4	20Ø	31	7.0	31	1500	.065	175J	S1Δ	C12	
▼	1.5Z18D	14.4	21.6	20Ø	21	13	21	1500	.075	175J	S1Δ	C12	
▼	1.5Z68D	54.4	81.6	20Ø	5.5	95	5.5	1500	.09	175J	S1Δ	C12	
▼	AZ2	6.2	7.5	10Ø	.20			150		150A	S1	C1	
▼	2JC2365H02♦	5.57	6.15	5.0	10				.16		S1		
▼	2S1-10M27Z1	26.73	27.27	1.0	95	7.0	95	10W	.085	175J	S1	D04	
▼	2x2-50M75Z	60	90	20	170	9.0	170	50W		(series pair)	S1	T03	
▼	2x2-50M75Z5P	71.25	78.75	5.0	170	9.0	170	50W		(Matched Pair)	S1	T03	
	HR2.3	2.18	2.41	5.0	5.0	60	10	500		175A	S1	D07	
	KZ2.6	2.0	3.2	10Ø	5.0	60	10	250		150	S1	A21c	
	HR2.8	2.66	2.94	5.0	5.0	60	10	500		175A	S1	D07	
	3N39	8.3	9.8	10					.005	71A	S1	Ø	
	3N40	8.3	9.8	10					.003	71A	S1	Ø	
▼	3N41	8.3	9.8	10					.002	71A	S1	Ø	
	3N42	8.3	9.8	10					.005	100A	S1	Ø	
	3N43	8.3	9.8	10					.003	100A	S1	Ø	
	3N44	8.3	9.8	10					.002	100A	S1	Ø	
	3R3.9	3.6	4.3	10	120	20	120	3500	.04	150C	S1		
	3R4.7	4.3	5.1	10	120	10	120	3500	0	150C	S1		
	3R10	9.1	11	10	60	12	60	3500	.07	150C	S1		
	3Z4.3T5	4.1	4.5	5.0	150			3500	.04	165A	S1		
	3Z5.1T5	4.8	5.4	5.0	125			3500	.00	165A	S1		
	3Z6.2T5	5.9	6.5	5.0	110			3500	.03	165A	S1		
	3Z7.5T5	7.1	7.9	5.0	100			3500	.05	165A	S1		
	3Z10T20	8.0	12	20	70			3500	.07	165A	S1		
▼	3Z16T5	15.2	16.8	5.0	40			3500	.08	165A	S1		
▼	3Z20T5	19	21	5.0	35			3500	.085	165A	S1		
▼	3Z21A	19.95	22.05	5.0	35	6.0	35	3.5W	.085		S1	D04	
▼	3Z30A	28.5	31.5	5.0	25	13	25	3.5W	.090		S1	D04	
	3Z30T5	28.5	31.5	5.0	25			3500	.095	165A	S1		
	FZ3.3T5	3.14	3.46	5.0	20	22	20	400			S1	A21c	
	KZ3.4	3.0	3.9	10Ø	5.0	55	10	250		150	S1	A21c	
	FZ3.6T5	3.42	3.78	5.0	20	19	20	400			S1	A21c	
	QZ3.6T5	3.42	3.78	5.0	20	24*	20	250		150	D	S1	A21c

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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				STATUS	MAT.	DWG. No.
	R3.9	3.6	4.3	10	40	20	40	1000	.04	150	S1		
	ZG3.9	3.6	4.3	10Ø	50	8.0	150	3500	.04	175C	S1	S4a	
	ZK3.9	3.6	4.3	10Ø	500	1.0	500	10W	.04	175C	S1	S19	
	ZT3.9	3.6	4.3	10Ø	50	8.0	50	1000	.04	175A	S1	S34	
	FZ3.9T5	3.71	4.09	5.0	20	18	20	400			S1	A21c	
	MRA4 Δ	10.5	11.5	5.0	5.0			300	.005	100A	S1\\$	TO39	
	MRA4A Δ	10.5	11.5	5.0	5.0			300	.002	100A	S1\\$	TO39	
	4JZ4X5.1B	4.6	5.6	10Ø	100	7.0	100	1000	.013	175	S1	DO3	
	4RV16	15.96	17.64	5.0				840	.002	125	S1		
	4RV16A	15.96	17.64	5.0				840	.001	125	S1		
	Z4X5.1B	4.6	5.6	10Ø	100	7.0	100	1000	.013	175J	S1	DO3	
	Z4X5.6B	5.0	6.2	10Ø	100	1.2	100	1000	.021	175J	S1	DO3	
	Z4X6.8B	6.1	7.5	10Ø	100	1.7	100	1000	.037	175J	S1	DO3	
	FZ4.3T5	4.09	4.51	5.0	20	16	20	400			S1	A21c	
	MZ4.3T5	4.1	4.5	5.0	35			750	.04	165A	S1		
▼	R4.7	4.3	5.1	10	40	10	40	1000	0	150	S1		
	ZB4.7	4.3	5.1	10Ø	30	9.0	30	750	.00	175A	S1	A33	
	ZG4.7	4.3	5.1	10Ø	40	7.0	40	3500	.00	175C	S1	S4a	
	ZK4.7	4.3	5.1	10Ø	400	.75	400	10W	.00	175C	S1	S19	
	ZT4.7	4.3	5.1	10Ø	40	7.0	40	1000	.00	175A	S1	A34	
	KZ4.8	4.3	5.4	10Ø	5.0	35	10	250		150	S1	A21c	
▼	MRA5 Δ	11.5	12.5	5.0	5.0			300	.005	100A	S1\\$	TO39	
	SV5	4.30	5.40	10	50	55				150	S1		
	MRA5A Δ	11.5	12.5	5.0	5.0			300	.002	100A	S1\\$	TO39	
	E5T50A23	21.85	24.15	5.0	10	40*	10	2000	.005*	75	S1	A78	
	E5T50A33	31.35	34.65	5.0	10	55*	10	2000	.005*	75	S1	A78	
	E5T50A43	40.85	45.15	5.0	7.5	90*	7.5	2000	.005*	75	S1	A78	
	E5T50A47	44.65	49.35	5.0	7.5	100*	7.5	2000	.005*	75	S1	A78	
	E5T50A51	48.45	53.55	5.0	7.5	110*	7.5	2000	.005*	75	S1	A78a	
	E5T50A56	53.2	58.8	5.0	7.5	120*	7.5	2000	.005*	75	S1	A78a	
	E5T50A62	58.9	65.1	5.0	7.5	135*	7.5	2000	.005*	75	S1	A78a	
	E5T50A68	64.6	71.4	5.0	5.0	230*	5.0	2000	.005*	75	S1	A78a	
	E5T50A75	71.25	78.75	5.0	5.0	250*	5.0	2000	.005*	75	S1	A78a	
	E5T50A82	77.9	86.1	5.0	5.0	270*	5.0	2000	.005*	75	S1	A78a	
	E5T50A91	86.45	95.55	5.0	5.0	310*	5.0	2000	.005*	75	S1	A78a	
	E5T50A100	95	105	5.0	5.0	340*	5.0	2000	.005*	75	S1	A78a	
	E5T50A105	99.75	110.25	5.0	2.5	700*	2.5	2000	.005*	75	S1	A78a	
	E5T50A110	104.5	115.5	5.0	2.5	740*	2.5	2000	.005*	75	S1	A78a	
	E5T50A120	114	126	5.0	2.5	800*	2.5	2000	.005*	75	S1	A78a	
	E5T50A130	123.5	136.5	5.0	2.5	840*	2.5	2000	.005*	75	S1	A78a	
	E5T50A140	133	147	5.0	2.5	960*	2.5	2000	.005*	75	S1	A78b	
	E5T50A150	142.5	157.5	5.0	2.5	980*	2.5	2000	.005*	75	S1	A78b	
	E5T50A175	166.25	183.75	5.0	2.5	1150*	2.5	2000	.005*	75	S1	A78b	
	E5T50A200	190	210	5.0	2.5	1350*	2.5	2000	.005*	75	S1	A78b	
	E5T50B23	21.85	24.15	5.0	10	40*	10	2000	.005*	100	S1	A78	
	E5T50B33	31.35	34.65	5.0	10	55*	10	2000	.005*	100	S1	A78	
	E5T50B43	40.85	45.15	5.0	7.5	90*	7.5	2000	.005*	100	S1	A78	
	E5T50B47	44.65	49.35	5.0	7.5	100*	7.5	2000	.005*	100	S1	A78	
	E5T50B51	48.45	53.55	5.0	7.5	110*	7.5	2000	.005*	100	S1	A78a	
	E5T50B56	53.2	58.8	5.0	7.5	120*	7.5	2000	.005*	100	S1	A78a	
	E5T50B62	58.9	65.1	5.0	7.5	135*	7.5	2000	.005*	100	S1	A78a	
	E5T50B68	64.6	71.4	5.0	5.0	230*	5.0	2000	.005*	100	S1	A78a	
	E5T50B75	71.25	78.75	5.0	5.0	250*	5.0	2000	.005*	100	S1	A78a	
	E5T50B82	77.9	86.1	5.0	5.0	270*	5.0	2000	.005*	100	S1	A78a	
	E5T50B91	86.45	95.55	5.0	5.0	310*	5.0	2000	.005*	100	S1	A78a	
	E5T50B100	95	105	5.0	5.0	340*	5.0	2000	.005*	100	S1	A78a	
	E5T50B105	99.75	110.25	5.0	2.5	700*	2.5	2000	.005*	100	S1	A78a	
	E5T50B110	104.5	115.5	5.0	2.5	740*	2.5	2000	.005*	100	S1	A78a	
	E5T50B120	114	126	5.0	2.5	800*	2.5	2000	.005*	100	S1	A78a	
	E5T50B130	123.5	136.5	5.0	2.5	840*	2.5	2000	.005*	100	S1	A78b	
	E5T50B140	133	147	5.0	2.5	960*	2.5	2000	.005*	100	S1	A78b	
	E5T50B150	142.5	157.5	5.0	2.5	980*	2.5	2000	.005*	100	S1	A78b	
	E5T50B175	166.25	183.75	5.0	2.5	1150*	2.5	2000	.005*	100	S1	A78b	

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

□ - MECHANICAL AND ENVIRONMENTAL TEST.

♦ - PREFERRED TYPE - MIL-STD 701

NAVWEPS 16-1-530
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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ Iz (ma)	Z (ohms)	@ Iz (ma)				STATUS	MAT.	DWG. No.
	E5T50B200	190	210	5.0	2.5	1350*	2.5	2000	.005*	100	S1	A78b	
	MZ5.1T5	4.8	5.4	5.0	30			750	0.0	165A	S1		
	QZ5.1T5	4.84	5.36	5.0	20	17*	20	250		150	S1	A21c	
▼	ZK5.6	5.1	6.2	10Ø	350	.50	350	10W	.03	175C	S1	S19	
	FZ5.6T5	5.32	5.88	5.0	20	7.0	20	400			S1	A21c	
	RS6	5.0	7.0	20	10	15	10				S1	C1	
▼	RT6	5.0	7.0	20	10	20	10				S1		
	SV6	5.20	6.40	10	10	20	10	250	.02		S1	C1	
	ZS6	5.0	7.0		10	15	10			100			
	ZT6	5.0	7.0		10	20	10			100			
	6RV16	15.96	17.64	5.0				840	.002	125	S1		
	6RV16A	15.96	17.64	5.0				840	.001	125	S1		
	MZ6.2T5	5.9	6.5	5.0	26			750	.03	165A	S1		
	ZB6.8	6.2	7.5	10Ø	22	4.0	22	750	.05	175A	S1	A33	
	ZK6.8	6.2	7.5	10Ø	300	.25	300	10W	.05	175C	S1	S19	
▼	FZ6.8T5	6.46	7.14	5.0	20	4.0	20	400			S1	A21c	
	AV7	16	20	10Ø	50	14	50	1000			S1	A19	
	WSTR7	5.57	6.15	5.0	10				.15	100	S1	C1	
▼	GZ7A	7.6	8.4	5.0	.20			150			S1	A1	
	A7B	4.9	5.5	10	8.8	25	10				S1	C1	
	ZG7.5	6.7	8.3	10Ø	25	2.5	25	3500	.055	175C	S1	S4a	
▼	ZA7.5A	8.31	9.19	5.0	.200	11	.20	150	.07	150A	S1	C1	
	MZ7.5BCA	7.1	7.9	5.0	335	1.3	335	10W	.045	175J	S1Δ	D04Δ	
	FZ7.5T5	7.13	7.87	5.0	20	5.0	20	400			S1	A21c	
▼	MZ7.5T5	7.125	7.875	5.0	22	1.5	22	750	.05		S1	D03	
	QZ7.5T5	7.12	7.88	5.0	20	8.0*	20	250			S1	A21c	
▼	8-7228	54.0	66.0	10	35	25	30	10W		150	D		
	PZT8.2 Ø	7.5	9.1	10	25	2.0	25	10W	.04	185	S1Δ		
	ZB8.2	7.5	9.1	10Ø	18	4.0	8.0	750	.06	175A	S1	A33	
	ZK8.2	7.5	9.1	10Ø	250	.75	250	10W	.06	175C	S1	S19	
	FZ8.2T5	7.79	8.61	5.0	20	6.0	20	400			S1	A21c	
▼	C8.2Z	7.38	9.62	10Ø	31	4.3	31	750	.03	175J	S1Δ	D07	
	SV9	7.50	10.0	15	10	15	10	250	.055		S1		
	ZK9.1	8.2	10	10Ø	220	9.0	220	10W	.065	175C	S1	S19	
	S9.1Z	8.19	10.01	10Ø	275	1.9	275	10W	.05	175J	S1Δ	S70Δ	
▼	ZA9.5A	10.45	10.55	5.0	.200	11	.20	150	.07	150A	S1	C1	
▼	HPZ10	9.5	10.5	5.0	500	1.2	500	35W	.058	175C	S1		
	HS10	2.0	2.20	5.0	20	7.5	20	1400	.25	175	S1		
▼	SD10	100	110	5.0	.025	330		150		150	S1	C1	
	V10-1	10	11	5.0	10	12	10	500	.01	75	S1	C31	
	V10-1A	10	11	5.0	10	12	10	500	.01	100	S1	C31	
	V10-1B	10	11	5.0	10	12	10	500	.01	150	S1	C31	
▼	WA10-2	9.5	10.5	5.0	5.0						S1	C1	
▼	PZT10A	9.5	10.5	5.0	25	1.4	25	1000	.037		S1	A31a	
	10EZ5.6T10	5.04	6.12	10Ø	350	.30	350	10W	.03	130A	S1	S22	
	10EZ8.2T10	7.38	9.02	10Ø	250	.25	250	10W	.06	130A	S1	S22	
	10EZ10T10	9.0	11	10Ø	200	.55	200	10W	.07	130A	S1	S22	
▼	10M10ZR5	9.5	10.5	5.0	250	3.0	250	10W			S1	D04	
▼	10M12Z10	10.8	13.2	10	210	3.0	10	10W			S1	D04	
▼	10M17Z5	16.25	17.75	5.0	155	4.0	150	10W			S1	S28	
▼	10M20ZR5	19.0	21.0	5.0	125	4.0	125	10W			S1	D04	
▼	10M25Z	20	30	20Ø	100	6.0	100	10W	.08	175J	S1	D04	
▼	10M25Z5	23.75	26.25	5.0	105	5.0	105	10W	.08	175J	S1	S28	
▼	10M25Z10	22.5	27.5	10	105	5.0	105	10W	.08	175J	S1	S28	
▼	10M30Z	24.0	36.0	20	85	8.0	85	10W			S1	D04	
▼	10M39Z5	37.05	40.95	5.0	65	11	65	10W			S1	D04	
▼	10M50ZR5	47.5	52.5	5.0	50	15	50	10W	.090		S1	D04	
▼	10M62Z5	58.9	65.1	5.0	40	17	40	10W			S1	D04	
▼	10M82ZR5	77.9	86.1	5.0	30	25	30	10W			S1	D04	
▼	10M87.5ZB2	85.75	89.25	2.0	30	(matched)		10W	.090		S1	D04	
▼	10M100Z5	95	105	5.0	25	40	25	10W			S1	D04	
▼	10M105Z5	99.75	110.25	5.0	25	40	25	10W	.09	175J	S1	S28	
▼	10M105ZR5	99.75	110.25	5.0	25	40	25	10W	.09	175J	S1	S28	

▼ -- TYPE NUMBER IN NAVY STOCK SYSTEM.

□ -- MECHANICAL AND ENVIRONMENTAL TEST.

* -- PREFERRED TYPE - MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP.	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (\pm %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				STATUS	MAT.	DWG. No.
▼	10M150Z5	142.5	157.5	5.0	17	175	17	10W			S1	D04	
▼	10M200Z5	190	210	5.0	12	300	12	10W			S1	D04	
▼	10M200ZR5	190	210	5.0	12	300	12	10W			S1	D04	
▼	FZ10T5	9.5	10.5	5.0	20	8.0	20	400			S1	A21c	
▼	10Z5.1T5	4.8	5.4	5.0	400			10W	.00	165A	S1		
▼	10Z6.2T5	5.9	6.5	5.0	350			10W	.03	165A	S1		
	10Z6.8T20	5.4	8.2	20	300			10W	.05	165A	S1		
	10Z7.5T5	7.1	7.9	5.0	300			10W	.05	165A	S1		
	10Z9.1T5	8.6	9.6	5.0	250			10W	.0	165A	S1		
	10Z11T5	10.4	11.6	5.0	200			10W	.07	165A	S1		
	10Z16T5	15.2	16.8	5.0	140			10W	.08	165A	S1		
	10Z24T5	22.8	25.2	5.0	90			10W	.09	165A	S1		
▼	HS11	2.23	2.47	5.0	20	9.0	20	1400	.25	175	S1		
▼	SV11	9.0	12.0	15	20	50				150			
▼	11-750-02-984	147	153	2.0	170	9.0	170	50W	.090	175	3	S1	C5a
▼	11-750-03-605	294	306	2.0	170	9.0	170	50W	.090	175	3	S1	C5a
	MZ11BFA	10.4	11.6	5.0	230	3.0	230	10W	.06	175J	S1Δ	DO4Δ	
	QZ11T5	10.45	11.55	5.0	5.0	13*	5.0	250		150	D	S1	A21c
▼	S11Z	9.9	12.1	10Ø	230	2.9	230	10W	.055	175J	S1Δ	S70Δ	
	HS12	2.42	2.68	5.0	20	15	20	600	.25	175	S1		
▼	Z12	11.4	12.7	5.0Ø	5.0	15	5.0	250	.075	150J	S1	C18a	
▼	CO-WA12-2	12.0	14.0	20	.200			150			S1	C1	
▼	CO-ZA12-3	11.88	12.12	1.0	.200	100	3.75	150			S1	C1	
▼	LPZ12A	11.4	12.60	5.0	21	9.0	21	1000			S1	A31a	
▼	PZT12A	11.4	12.60	5.0	25	2.4	25	1000	.05		S1	A31a	
▼	AZ13	52	62	10Ø	.20			150		150A	S1	C1	
	HS14	2.94	3.26	5.0	20	12	20	1750	.25	175	S1		
	GLZ14BBA	13.3	14.7	5.0	4.5	20	4.5	250	.07		S1Δ	DO7	
	LPZ14BB-A	13.3	14.7	5.0	18	12	18	1000			S1	A31a	
	MZ14BBA	13.3	14.7	5.0	180	3.0	180	10W	.07	175J	S1Δ	DO4Δ	
▼	FZ14T5	13.29	14.7	5.0	5.0	15	5.0	400			S1	A21c	
▼	R15	12	16	10	10	50	10	1000	.08	150	S1		
▼	ZA15-2	13.5	18	10	.200	13	.20	150	.08	150A	S1	C1	
▼	LPZ15A	14.25	15.75	5.0	17	14	17	1000			S1	A31a	
	GLZ15BDA	14.2	15.8	5.0	4.2	22	4.2	250	.07		S1Δ	DO7	
	FZ15T5	14.2	15.7	5.0	5.0	17	5.0	400			S1	A21c	
▼	QZ15T5	14.25	15.75	5.0	5.0	22*	5.0	250		150	D	S1	A21c
▼	16A-17	7.6	8.4	5.0	18	10	18	750			S1		
	GLZ16BCA	15.1	16.9	5.0	3.9	24	3.9	250	.070		S1Δ	DO7	
	FZ16T5	15.2	16.8	5.0	5.0	19	5.0	400			S1	A21c	
	LPZ17BB-A	16.15	17.85	5.0	14.5	18	14.5	1000			S1	A31a	
	MZ17BBA	16.1	17.9	5.0	145	4.0	145	10W	.075	175J	S1Δ	DO4Δ	
▼	LPZT18 Ø	16	20	10	25	8.0	25	1000	.060	185	S1Δ		
	SV18	17.0	21.0	10	5.0	200	5.0	250	.08		S1Δ		
	ZB18	16	20	10Ø	8.0	13	8.0	750	.085	175A	S1Δ		
	GLZ18BCA	17.1	18.9	5.0	3.5	28	3.5	250	.075		S1Δ	DO7	
	FZ18T5	17.1	18.9	5.0	5.0	25	5.0	400			S1	A21c	
	C18Z	16.2	19.8	10Ø	14	17.5	14	750	.05	175J	S1Δ	DO7	
	SS18Z	16.2	19.8	10Ø	35	14	35	750			S1Δ	A21c	
	MZ19BBA	18	20	5.0	130	4.0	130	10W	.075	175A	S1Δ	DO4Δ	
	GLZ19BDA	18	20	5.0	3.3	30	3.3	250	.075	175J	S1Δ	DO7	
	QZ19T5	18.05	19.95	5.0	5.0	30*	5.0	250		150	D	S1	A21c
	AZ20	200	250	10Ø	.10			150		150A	S1	C1	
	TMD20	.576	.704	10Ø	1.0	40	1.0		.32	150A	S1Δ		
▼	SG22	.576	.704	10	1.0	45	1.0		.031		S1		
▼	PZT22A	20.9	23.1	5.0	8.0	18	8.0	1000	.068		S1	A31a	
	GLZ22BCA	20.9	23.1	5.0	2.8	40	2.8	250	.080		S1Δ	DO7	
	FZ22T5	20.9	23.1	5.0	5.0	35	5.0	400			S1	A21c	
▼	QZ22T5	20.9	23.1	5.0	5.0	40*	5.0	250		150	D	S1	A21c
	SV24	20.0	27.0	15	10	300				150		S1	
	GLZ24BDA	22.8	25.2	5.0	2.6	46	2.6	250	.080		S1Δ	DO7	
	MZ24T5	22.8	25.2	5.0	6.0			750	.09	165A	S1		
▼	ZA25-2	20	27	10	.200	50	.20	150	.10	150A	S1	C1	

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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
▼	ZA25-3	24.5	25.5	2.0	.200	50	.20	150	.10	150A	S1	C1	
	LPZ25BB-A	23.75	26.25	5.0	10	30	10	1000			S1	A31a	
	MZ25BBA	23.7	26.3	5.0	100	6.0	100	10W	.080	175J	S1Δ	D04Δ	
	GLZ27BCA	25.6	28.4	5.0	2.3	58	2.3	250	.085		S1Δ	D07	
	FZ27T5	25.6	28.4	5.0	5.0	40	5.0	400			S1	A21c	
	KS30A	3.13	3.47	5.0	5.0	130	5.0	300	.05	150A	S1*	C1a	
▼	GLZ33BCA	31.3	34.7	5.0	1.9	85	1.9	250	.085		S1Δ	D07	
	W40A	38.95	43.05	5.0	10				.15		S1	S20	
	S43Z	38.7	47.3	10Ø	60	11.5	60	10W	.08	175J	S1Δ	S70Δ	
▼	LPZ45BB-A	42.75	47.25	5.0	5.5	75	5.5	1000			S1	A31a	
▼	E48	4.85	5.36	5.0	20	17	20	400	.008	175A N	S1	A46	
	LPZ50BB-A	47.5	52.5	5.0	5.0	90	5.0	1000			S1	A31a	
	MZ50BBA	47.5	52.5	5.0	50	15	50	10W	.090	175J	S1Δ	D04Δ	
▼	50M10Z5	9.5	10.5	5.0	1200	.60	1200	50W	.06	175J	S1	T03	
▼	50M12Z5	11.4	12.6	5.0	1000	1.0	1000	50W	.06	175J	S1	T03	
▼	50M14Z5	13.3	14.7	5.0	890	1.2	890	50W	.06	175J	S1	T03	
▼	50M15Z5	14.25	15.75	5.0	830	1.4	830	50W	.07	175J	S1	T03	
	50M17Z	16.15	17.85	5.0	740	1.8	740	50W	.075	175	S1	C5a	
▼	50M20Z5	19.0	21.0	5.0	630	2.4	630	50W	.07	175J	S1	T03	
▼	50M20Z10	18.0	22.0	10.0	630	2.4	630	50W	.07	175J	S1	T03	
▼	50M22ZR5	20.9	23.1	5.0	570	2.5	570	50W	.08	175J	S1	T03	
▼	50M25Z	20	30	20.0	500	2.7	500	50W	.08	175J	S1	T03	
▼	50M25Z5	23.75	26.25	5.0	500	2.7	500	50W	.08	175J	S1	T03	
▼	50M27Z5	25.65	28.35	5.0	460	2.8	460	50W	.08	175J	S1	T03	
▼	50M33Z5	31.35	34.65	5.0	380	3.2	380	50W	.09	175J	S1	T03	
▼	50M39Z5	37.15	40.85	5.0	320	4.0	320	50W	.09	175J	S1	T03	
▼	50M40Z5C5	38.0	42.0	5.0	1000			50W			S1	T03	
▼	50M45Z10	40.5	49.5	10.0	280	4.5	280	50W	.09	175J	S1	T03	
▼	50M56ZR5	53.2	58.8	5.0	220	6.0	220	50W	.09	175J	S1	T03	
▼	50M100Z	80	120	20.0	120	20	120	50W	.095	175J	S1	T03	
▼	50M105Z2	102.9	107.1	2.0	120	25	120	50W	.095	175J	S1	T03	
▼	50M175Z5	166.25	183.75	5.0	70	85	70	50W	.10	175J	S1	T03	
▼	50M200ZR10	180	220	10.0	65	100	65	50W	.10	175J	S1	T03	
	50Z24F	19.2	28.8	20Ø	520	80	5.0	50W	.08	175	S1	S21c	
	50Z75F	60	90	20Ø	170	150	5.0	50W	.09	175	S1	S21c	
	50Z100F	80	120	20Ø	120	200	5.0	50W	.09	175	S1	S21c	
▼	HZ60	54	66	10	16	10	16	5000	.06	165	S1		
▼	61A5A110-1	200	300	.25				250	.105	175S	S1	A21	
	GLZ62BCA	58.9	65.1	5.0	1.0	290	1.0	250	.090		S1Δ	D07	
▼	A63	3.25	3.89	5.0	5.0			150		150A	S1		
▼	SM72	.513	.627	10	1.0	40	1.0		.035		S1		
	GLZ75BCA	71.2	78.8	5.0	.83	450	.83	250	.090		S1Δ	D07	
	GLZ82BCA	77.9	86.1	5.0	.76	550	.76	250	.090		S1Δ	D07	
	E84	9.5	10.5	5.0	5.0	50	5.0	400		175	S1	A1	
	E88	4.75	5.25	5.0	10	55	10	400		175	S1	A1	
	GLZ91BCA	86.4	95.6	5.0	.69	700	.69	250	.090		S1Δ	D07	
	LPZ105BB	94.5	115.5	10	2.5	400	2.5	1000			S1	A31a	
	MZ105BB	100	110	5.0	25	45	25	10W	.095	175J	S1Δ	Δ	
▼	D111	7.22	7.99	5.0	5.0			150		150A	S1		
▼	SV121	4.28	4.73	5.0	10	55	10	250	.02	150	S1	D07	
▼	SV122	4.75	5.25	5.0	10	55	10	250	.00	150	S1		
▼	SV-123	5.23	5.77	5.0	10	30	10	220	.08	150	S1	A1	
▼	SV124	5.70	6.30	5.0	10	20	10	250	.03	150	S1		
▼	SV125	6.18	6.83	5.0	10	8.0	10	250	.038	150	S1	D07	
▼	ZA125	110	145	15	20			500		200A	S1		
▼	ZA125-2	110	145	10	.200	1500	.20	150	.125	150A	S1	C1	
▼	SV126	6.65	7.35	5.0	10	8.0	10	250	.04	150J	S1	A1	
▼	SV127	7.13	7.88	5.0	10	8.0	10	250	.047	150	S1	D07	
▼	SV128	7.60	8.40	5.0	10	15	10	250	.05	150	S1	D07	
	G129	.504	.616	10	1.0	45	1.0				A1		
▼	SV129	8.08	8.93	5.0	10	15	10	250	.054	150	S1		
▼	G130	.576	.704	10	1.0	45	1.0				A1		
▼	SV131	8.55	9.45	5.0	10	15	10	250	.057	150	S1	D07	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ Iz (ma)	Z (ohms)	@ Iz (ma)				S T A T U S	MAT.	DWG. No.
▼	SV133	9.5	10.5	5.0	5.0	50	5.0	250	.06	150	S1	D07	
▼	SV134	10.45	11.15	5.0	5.0	50	5.0	250	.063	150	S1	D07	
▼	SV135	11.4	12.6	5.0	5.0	50	5.0	250	.066	150	S1	D07	
▼	PZ135A	128.25	141.75	5.0	3.0	110	7.5	10W	.095	150J	S1		
▼	SV136	12.35	13.65	5.0	5.0	50	5.0	250	.069	150	S1	D07	
▼	SV137	13.3	14.7	5.0	5.0	50	5.0	250	.072	150	S1	D07	
▼	SV138	14.25	15.75	5.0	5.0	120	5.0	250	.075	150	S1		
▼	SV139	15.2	16.8	5.0	5.0	120	5.0	250	.076	150	S1	D07	
	LPZ140BB	133	147	5.0	1.8	900	1.8	1000			S1	A31a	
	MZ140BB	133	147	5.0	18	125	18	10W	.095	175J	S1Δ	D04Δ	
▼	E141	8.07	8.92	5.0	10	15	10	400		175	S1	A1	
▼	SV141	16.15	17.85	5.0	5.0	120	5.0	250	.077	150	S1	D07	
▼	SV142	17.1	18.9	5.0	5.0	200	5.0	250	.078	150	S1		
	E143	6.65	7.35	5.0	10	8.0	10	400		175	S1	A1	
	SV143	18.05	19.95	5.0	5.0	200	5.0	250	.079	150	S1	D07	
▼	SV144	19	21	5.0	5.0	200	5.0	250	.081	150	S1	D07	
	E145	5.22	5.77	5.0	10	20	10	400		175	S1	A1	
▼	SV168	20.9	23.1	5.0	5.0	300	5.0	250	.084	150	S1	D07	
▼	SV169	22.8	25.2	5.0	5.0	300	5.0	250	.086	150	S1	D07	
	SV171	24.7	27.3	5.0	5.0	300	5.0	250	.088	150	S1	D07	
	MZ175BB	166.2	183.8	5.0	14	250	14	10W	.095	175J	S1Δ	D04Δ	
▼	SV191	4.28	4.73	5.0	10	55	10	250	-.02	150A	S1	A1	
▼	202-359	5.9	6.5	5.0	7.5	15	7.5	250	.01	150J	S1	A1	
▼	202-363	6.65	7.35	5.0	10	8.0	10	750		150J	S1	A31	
▼	202-376	4.75	5.25	5.0	1000	.50	1000	10W		150J	S1	S19a	
▼	202-447	6.18	6.83	5.0	1000	.80	1000	10W		150J	S1	S19a	
▼	203-845	6.08	6.32	2.0	10	20	10	750	.035	150J	S1	A25	
▼	203-846	5.39	5.51	2.0	10	55	10	250	.02	150J	S1	A1	
▼	WMP215	135	180	15.0							S1	C1	
	OAZ222	5.3	6.0	5.0	20			1500			T	S1	
	OAZ223	5.8	6.6	5.0	20			1500			T	S1	
▼	SV224	17.0	21.0	10	5.0	200	5.0	250		150A	T	S1	
	OAZ225	7.1	7.9	5.0	20			1500			T	S1	
▼	SV226	6.56	7.14	5.0	10	8.0	10	250		150A	S1	D07	
▼	SV242	13.5	15.0	10	5.0	120*	5.0	250		150A	S1	A1	
	OAZ245	7.1	7.9	5.0	1.0			230			T	S1	
	250ZE20	18	22	10	7000			250W		190A	S1	S83	
▼	S320G	.222	.298	10	1.0	50	1.0		.077		Ge		
▼	S322-1098-P3	3.0	3.9	10	5.0	55	10	200	.10	200A	S1*	C1	
▼	S322-1108-P1	14.9	16.5	5.0	.20	30					S1	C1	
▼	S322-1110-P1	135	165	10	.10	5000			.062		125A		
▼	S322-1110-P2	61.2	74.8	10	.20	5000			.15		125A		
▼	S322-1127-P8	16.0	17.6	5.0	10	30	10		.001		125J		
▼	S322-1167-P10	12.35	13.65	5.0	50	5.8	50	1000			S1	A31	
▼	S322-1167-P13	17.1	18.9	5.0	50	11.0	50	1000			S1	A31	
▼	S322-1170-P9	16	20	10	200	15	35	3.5W	.035	165J	S1	S4a	
▼	322MR060-P001	4.3	5.4	10	5.0	35	10	200			S1	C1	
▼	322MR060-P002	4.95	5.05	1.0	5.0	35	10	200			S1	C1	
▼	322MR060-P003	4.45	4.05	1.0	5.0	35	10	200			S1	C1	
▼	353-1762-00	538	560	2.0	5.0	300	65	50W			S1	C5a	
▼	353-2563-00	13.5	18.0	10	5.0			250			S1	A1	
▼	353-2591-00	14.25	15.75	5.0	5.0	120					150A	S1	
▼	353-2594-00	13.5	15	5.0	5.0	120		250			150A	S1	
▼	SV359	5.35	5.75	3.6	10	20	10				150A	S1	
▼	SZ392	12.8	19.2	20	420	1.6	420	50W					
	PR411	9.9	12.1	10	1100	.90	1100	10W	.06		S1	S21c	
	PR413	11.7	14.3	10	960	1.1	960	10W	.07		S1	S21c	
	PR425	22.5	27.5	10	500	2.7	500	10W	.08		S1	S21c	
▼	PR504	4.28	4.73	5.0	2000	.50	1000	10W	.02		S1	S4b	
▼	PR505	4.75	5.25	5.0	2000	.50	1000	10W	.00		S1	S4b	
	PR506	5.23	5.78	5.0	1600	.70	1000	10W	.015		S1		
	PR507	5.70	6.30	5.0	1600	.70	1000	10W	.03		S1	S4b	
	PR508	6.18	6.83	5.0	1200	.80	1000	10W	.038		S1	S4b	

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

□ - MECHANICAL AND ENVIRONMENTAL TEST.

♦ - PREFERRED TYPE - MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ Iz (ma)	Z (ohms)	@ Iz (ma)				S T A T U S	MAT.	DWG. No.
	PR509	6.65	7.35	5.0	1200	.80	1000	10W	.043		S1	S4b	
	PR510	7.13	7.88	5.0	1200	.80	1000	10W	.047		S1	S4b	
	PR511	7.60	8.40	5.0	1000	.80	1000	10W	.05		S1	S4b	
	PR512	8.08	8.93	5.0	1000	.80	1000	10W	.054		S1	S4b	
	PR513	8.55	9.45	5.0	1000	.80	1000	10W	.057		S1	S4b	
	PR514	9.04	9.98	5.0	1000	.80	1000	10W	.058		S1	S4b	
	PR515	9.5	10.5	5.0	800	1.5	500	10W	.06		S1	S4b	
	PR516	10.45	11.55	5.0	800	1.5	500	10W	.063		S1	S4b	
	PR518	12.35	13.65	5.0	700	2.0	500	10W	.069		S1	S4b	
	PR519	13.3	14.7	5.0	700	2.0	500	10W	.072		S1	S4b	
	PR520	14.24	15.75	5.0	600	3.0	500	10W	.075		S1	S4b	
	PR521	15.2	16.8	5.0	600	3.0	500	10W	.076		S1	S4b	
	PR523	17.1	18.9	5.0	500	3.0	500	10W	.078		S1	S4b	
	PR524	18.05	19.95	5.0	500	3.0	500	10W	.079		S1	S4b	
	PR544	20.9	23.1	5.0	400	8.0	150	10W	.084		S1	S4b	
▼	PR545	22.8	25.2	5.0	400	8.0	150	10W	.086		S1	S4b	
▼	PR546	24.7	27.3	5.0	350	8.0	150	10W	.088		S1	S4b	
▼	SZ554	95	105	5.0	25	40	25	10W			S1	S4b	
▼	CGD573	.24	.30	20	1.0	50	1.0	80	2.0mv	85	Ge	A21	
▼	575R338H02	17.1	18.9	5.0	140	4.0*	140	10W		175J	A	S1	
▼	575R338H05	95	105	5.0	25	40*	25	10W		175J	A	S1	
▼	575R338H06	44.65	49.35	5.0	55	14*	55	10W		175J	A	S1	
▼	575R338H08	8.75	9.55	5.0	275	2.0*	275	10W		175J	A	S1	
▼	575R743H06	2.0	3.2	24	5.0			250		150		A27	
▼	575R743H09	12.0	14.0	15.4	.20			250		150		A27	
▼	575R743H11	52.0	64.0	10.3	.20			250		150		A27	
▼	575R743H13	25.6	28.4	5.2	1.0			250		150		A27	
▼	575R786H02	11.4	12.6	5.0	10.5	700	11.5	400	.065	175	S1	A23	
▼	575R786H05	7.79	8.91	5.0	20	8.0	20	400	.052	175	S1	A23	
▼	575R786H06	28.5	31.5	5.0	4.2	1000	49	400	.085	175	S1	A23	
▼	575R786H19	42.75	47.25	3.9	1.0	98	4.0	250	.20	150	S1	N12d	
	PR604	4.28	4.73	5.0	200	1.0	40	1000	.02		S1	A6	
	PR605	4.75	5.25	5.0	200	1.0	40	1000	.00		S1	A6	
	PR606	5.23	5.78	5.0	160	1.5	35	1000	.015		S1	A6	
	PR607	5.70	6.30	5.0	160	1.5	35	1000	.03		S1	A6	
	PR608	6.18	6.83	5.0	120	2.0	30	1000	.038		S1	A6	
	PR609	6.65	7.35	5.0	120	2.0	30	1000	.043		S1	A6	
	PR611	7.60	8.40	5.0	100	3.0	25	1000	.05		S1	A6	
	PR612	8.08	8.93	5.0	100	3.0	25	1000	.054		S1	A6	
	PR613	8.55	9.45	5.0	100	3.0	25	1000	.057		S1	A6	
	PR615	9.5	10.5	5.0	80	4.5	20	1000	.06		S1	A6	
	PR616	10.45	11.55	5.0	80	4.5	20	1000	.063		S1	A6	
	PR618	12.35	13.65	5.0	70	7.5	15	1000	.069		S1	A6	
	PR620	14.24	15.75	5.0	60	15	13	1000	.075		S1	A6	
	PR621	15.2	16.8	5.0	60	15	13	1000	.076		S1	A6	
	PR623	17.1	18.9	5.0	50	30	10	1000	.078		S1	A6	
	PR624	18.05	19.95	5.0	50	30	10	1000	.079		S1	A6	
	PR644	20.9	23.1	5.0	40	45	19	1000	.084		S1	A6	
	PR645	22.8	25.2	5.0	40	45	9.0	1000	.086		S1	A6	
	PR646	24.7	27.3	5.0	35	45	9.0	1000	.088		S1	A6	
▼	TI650C	3.7	4.5	10				150		150A	S1	C3	
▼	TI650C0	3.52	3.89	5.0				150		150A	S1	C3	
▼	TI650C1	3.61	3.99	5.0	5.0			150		150A	S1		
▼	TI650C3	3.8	4.2	5.0				150		150A	S1	C3	
▼	TI650C4	3.9	4.3	5.0	5.0			150		150A	S1		
▼	TI650C5	3.99	4.41	5.0	5.0			150		150A	S1		
	650C6	4.09	4.52	5.0	5.0			150		150A	S1		
▼	TI651C	4.3	5.4	10	5.0			150		150A	S1	C3	
▼	TI651C0	4.28	4.73	5.0	5.0			150		150A	S1		
▼	TI651C1	4.37	4.83	5.0	5.0			150		150A	S1		
▼	TI651C2	4.67	4.94	5.0	5.0			150		150A	S1		
▼	TI651C4	4.66	5.15	5.0	5.0			150		150A	S1	C3	
▼	TI651C5	4.75	5.25	5.0				150		150A	S1	C3	

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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION			
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _z (ma)	Z (ohms)	@ I _z (ma)				STATUS	MAT.	DWG. No.	
▼	TI651C6	4.85	5.36	5.0	5.0			150		150A	S1			
▼	TI651C7	4.94	5.46	5.0	5.0			150		150A	S1			
▼	TI651C8	5.04	5.57	5.0	5.0			150		150A	S1			
▼	TI651C9	5.13	5.67	5.0	5.0			150		150A	S1			
▼	652C	5.2	6.4	10	5.0			150		150A	S1	C3		
▼	652C0	5.23	5.78	5.0	5.0			150		150A	S1			
▼	TI652C1	5.32	5.88	5.0	5.0			150		150A	S1			
▼	TI652C2	5.42	5.99	5.0	5.0			150		150A	S1			
▼	TI652C4	5.60	6.20	5.0	5.0			150		150A	S1			
▼□	TI652C5	5.7	6.3	5.0				150		150A	S1	C3		
▼	TI652C6	5.80	6.41	5.0	5.0			150		150A	S1	DO7		
	652C7	5.90	6.51	5.0	5.0			150		150A	S1			
	652C8	5.99	6.62	5.0	5.0			150		150A	S1			
▼	TI652C9	6.08	6.72	5.0	5.0			150		150A	S1			
▼	TI653C	6.2	8.0	10	5.0				150	150A	S1	C3		
▼	TI653C0	6.18	6.83	5.0	5.0			150		150A	S1			
▼	TI653C1	6.27	6.93	5.0	5.0			150		150A	S1			
▼	TI653C2	6.37	7.04	5.0	5.0			150		150A	S1			
▼	TI653C3	6.46	7.14	5.0	5.0			150		150A	S1			
	653C4	6.65	7.35	5.0	5.0			150		150A	S1			
▼□	TI653C4	6.65	7.35	5.0				150		150A	S1	C3		
▼	TI653C6	7.03	7.77	5.0	5.0			150		150A	S1	DO3		
▼	TI653C7	.22	7.99	5.0	5.0			150		150A	S1	C3		
▼	TI653C8	7.41	8.19	5.0	5.0			150		150A	S1			
	653C9	.60	8.40	5.0	5.0			150		150A	S1			
▼□	TI653C9	7.6	8.4	5.0				150		150A	S1	C3		
▼	TI655C9	9.5	10.5	5.0	5.0			150		150A	S1	C3		
▼	TI655C9-10V	9.5	10.5	5.0	5.0			150		150A	S1	C3		
	PR706	6.2	8.0	10	1200	.80	1000	10W	.043		S1	S4b		
	PR708	7.5	10	10	1000	.80	1000	10W	.057		S1	S4b		
	UZ745	42.75	47.25	5.0	15	37	15	3000	.095	175	S1	A60		
	UZ760	57	63	5.0	10	60	10	3000	.095	175	S1	A60		
▼□	DXX766-1000-2	4.95	5.05	1.0	10	20	10	250	.015	150	S1	DO7		
▼□	DXX766-1000-4	20.0	27.0	15	5.0	300	7.5	250	.085	59A	S1	DO7		
▼□	DXX766-1000-5	5.9	6.5	5.0	7.5	20		200			S1	C1		
▼□	DXX766-1000-7	7.13	7.88	5.0	10	8.0	10	250	.047	150	S1	DO7		
▼□	DXX766-1000-8	1.127	1.173	2.0	10	20	10			100A	S1	A45		
▼□	DXX766-1000-10	21.78	22.22	1.0	1.0	120	5.0	500	.07	150A	S1	A45		
▼□	DXX766-1000-26	3.88	4.73	10	20	22	20	400	.036	175A	S1	A1		
▼□	DXX766-1001-1	5.2	6.4	10	1000	.70	1000	10W	.02	150C	S1	S19		
▼□	DXX766-1001-3	4.75	5.25	5.0	1000	.50	1000	10W	0.0	150C	S1	S19		
▼□	DXX766-1001-4	9.0	12.0	15	500	1.5	500	10W	.06	150C	S1	S19		
▼□	DXX766-1001-8	20.0	27.0	15	150	8.0	150	10W	.09	150C	S1	S19		
	UZ780	76	84	5.0	10	95	10	3000	.095	175	S1	A60		
	PR804	4.3	5.4	10	200	.10	40	1000	.00		S1	A6		
	PR806	6.2	8.0	10	120	2.0	30	1000	.043		S1	A6		
▼	SV808	7.5	10	14	10	15	10	750	.055	150	S1			
▼	SV815	13.5	18	14	40	120				150	S1			
	UZ836	32.4	39.6	10	20	21	20	3000	.09	175	S1	A60		
	SV905	5.2	6.4	10	1000	.7	1000	10W	.02	150	S1			
	SV910	9	12		800	15	10	250	.058	150	S1			
▼	911D12-3	6.2	8.0		10	8.0*	10	250			150J	S1	A1	
▼	911D15-3	5.9	6.5	5.0	7.5	20*	7.5	200	.01		S1	C1		
▼	911D18-3	6.65	7.35	5.0	10	8.0*	10	250			150J	S1	A1	
▼	911D20-3	22.8	25.2	5.0	5.0	300*	5.0	250			150J	S1	A1	
	SV912	11	14.5		500	2.0	500	10W	.07	150	S1			
	SV915	13.5	18		600	3.0				150	S1			
▼□	SV918	17.0	21.0		500	0.5	500	10W			S1	S4c		
▼□	SV924	20	27.0		150	8	150	10W			S1	S19a		
▼	998A562-G20	5.2	5.8	5.0	1.0A	.70	1.0A			150	S1	DO4		
▼	998A562-G21	6.15	6.85	5.0	1.0A	.80	1.0A			150	S1	DO4		
▼	SV1004	4.28	4.73	5.0	10	55	10	750	.02	150	S1			
▼	SV1005	4.75	5.25	5.0	10	55	10	750	.00	150	S1	A31		

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
▼	SV1006	5.23	5.78	5.0	10	20	10	750	.015	150	S1		
▼	SV1007	5.7	6.3	5.0	10	20	10	750	.03	150J	S1	A31	
▼	SV1008	6.18	6.83	5.0	10	8.0	10	750	.038	150	S1		
▼	SV1009	6.65	7.35	5.0	10	8.0	10	750	.043	150	S1		
▼	F1010	31.35	34.65	5.0	15	33	15	1000		175A	S1Δ	A31	
▼	S1010	0.222	.298	10	1.0	50	1.0		.077		Ge		
▼	SV1010	7.13	7.88	5.0	10	8.0	10	750	.047	150	S1		
▼	SV1011	7.60	8.40	5.0	10	15	10	750	.05	150	S1		
▼	SV1012	8.08	8.93	5.0	10	15	10	750	.054	150	S1		
▼	SV1014	9.04	9.98	5.0	10	15	10	750	.058	150	S1		
▼	SV1015	9.5	10.5	5.0	5.0	50	5.0	750	.06	150	S1		
▼	SV1016	10.45	11.55	5.0	5.0	50	5.0	750	.063	150	S1		
▼	SV1017	11.4	12.6	5.0	5.0	70	5.0	750	.066	150	S1		
▼	SV1018	12.35	13.65	5.0	5.0	70	5.0	750	.069	150	S1		
	SV1019	13.3	14.7	5.0	5.0	70	5.0	750	.072	150	S1		
	SV1020	14.25	15.75	5.0	5.0	120	5.0	750	.075	150	S1		
	SV1021	15.2	16.8	5.0	5.0	120	5.0	740	.076	150	S1		
	SV1022	16.15	17.85	5.0	5.0	120	5.0	750	.077	150	S1		
▼	SV1023	17.1	18.9	5.0	5.0	200	5.0	750	.078	150	S1		
▼	SV1024	18.05	19.95	5.0	5.0	200	5.0	750	.079	150	S1		
▼	SV1025	19	21	5.0	5.0	200	5.0	750		150	S1		
▼	SV1033	20.9	23.1	5.0	5.0	300	5.0	750	.084	150	S1		
	SV1034	22.8	25.2	5.0	5.0	300	5.0	750	.086	150	S1		
▼	SV1035	24.7	27.3	5.0	5.0	300	5.0	750	.088	150	S1		
▼	SV1087	13.5	14.5		10	16	10				Matched Pair	S1	
▼	S1163	67.5	82.5	5.0	3.0			1000				S1	
	PS1174	2.09	2.31	5.0Δ	20	12	20	500	4.8	125		S1	
▼	1174Z	14.75	15.25	5.0	4.2	22	14	250	.07			S1	A22a
	PS1175	2.28	2.52	5.0Δ	20	18	20	500	4.8	125		S1	A48c
	PS1176	2.565	2.835	5.0Δ	20	27	20	500	4.8	125		S1	A48c
▼	PS1177	2.85	3.15	5.0Δ	20	18	20	500	6.4	125		S1	A48c
	S1345	38.95	41.45	6.0	4.0	100	4.0	1W		175		S1	A9
	PS1421	3.135	3.465	5.0Δ	20	30	20	2000	.21	150A		S1	A48d
	PS1422	3.42	3.78	5.0Δ	20	30	20	2000	.21	150A		S1	A48d
	PS1423	3.8	4.2	5.0Δ	20	30	20	2000	.21	150A		S1	A48d
	PS1425	4.56	5.04	5.0	20	30	20	2000	.21	150A		S1	A48d
▼	PS1440	11.7	12.3	2.5	10	series	pair)	1500				N44a	
	PS1502	16	17.6	5.0	10	30	10	250	.002	150A		S1	A48b
	PS1502A	16	17.6	5.0	10	30	10	250	.001	150A		S1	A48b
	PS1504	32	35.2	5.0	10	60	10	250	.002	150A		S1	A48e
	PS1504A	32	35.2	5.0	10	60	10	250	.001	150A		S1	A48e
	PS1507	56	61.6	5.0	10	105	10	250	.002	150A		S1	A48h
▼	PS1507A	56	61.6	5.0	10	105	10	250	.001	150A		S1	A48h
▼	W1787A	44.65	49.35	5.0	15	6.1	15					S1	
▼	SV2005	4.75	5.25	5.0	1000	.50	1000	10W	.00	150		S1	
▼	SV2007	5.70	6.30	5.0	1000	.70	1000	10W	.03	150		S1	
▼	SV2009	6.65	7.35	5.0	1000	.80	1000	10W	.043	150		S1	
▼	SV2012	8.08	8.93	5.0	1000	.80	1000	10W	.054	150		S1	
	AV2014	13.72	14.28	2.0	50	9.0	50	1000				150A	S1
▼	SV2014	9.04	9.98	5.0	1000	.80	1000	10W	.058	150		S1	A19
▼	SV2015	9.50	10.50	5.0	500	1.5	500	10W	.06	150		S1	
	AV2016	15.68	16.32	2.0	50	9.0	50	1000				150A	S1
	AV2017	16.66	17.34	2.0	50	14	50	1000				150A	S1
▼	SV2017	11.4	12.6	5.0	500	2.0	500	10W	.066	150		S1	
▼	AV2018	17.64	18.36	2.0	50	14	50	1000				150A	S1
	SV2018	12.35	13.65	5.0	500	2.0	500	10W	.069	150		S1	A19
	AV2019	18.62	19.38	2.0	50	14	50	1000				150A	S1
▼	AV2020	19.6	20.4	2.0	50	14	50	1000				150A	S1
▼	SV2020	14.25	15.75	5.0	500	3.0	500	10W	.075	150		S1	A19
	AV2021	20.58	21.42	2.0	15	20	15	1000				150A	S1
▼	SV2021	15.20	16.80	5.0	500	3.0	500	10W	.076	150		S1	
	AV2022	21.56	22.44	2.0	15	20	15	1000				150A	S1
▼	SV2022	16.15	17.85	5.0	500	3.0	500	10W	.077	150		S1	A19

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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP.	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ Iz (ma)	Z (ohms)	@ Iz (ma)				S T A T U S	MAT.	DWG. No.
▼	SV2023	17.10	18.90	5.0	500	3.0	500	10W	.078	150	S1		
	AV2024	23.52	24.48	2.0	15	20	15	1000		150A	S1	A19	
▼	SV2024	18.05	19.95	5.0	500	3.0	500	10W	.079	150	S1		
	AV2025	24.5	25.5	2.0	15	20	15	1000		150A	S1	A19	
▼	SV2025	19.0	21.0	5.0	500	3.0	500	10W	.081	150	S1		
	AV2027	26.46	27.54	2.0	15	29	15	1000		150A	S1	A19	
	AV2028	27.44	28.56	2.0	15	29	15	1000		150A	S1	A19	
	AV2031	30.38	31.62	2.0	15	40	15	1000		150A	S1	A19	
	AV2032	31.36	32.64	2.0	15	40	15	1000		150A	S1	A19	
	AV2033	32.34	33.66	2.0	15	40	15	1000		150A	S1	A19	
	AV2034	33.32	34.68	2.0	15	40	15	1000		150A	S1	A19	
	AV2035	34.3	35.7	2.0	15	40	15	1000		150A	S1	A19	
	AV2037	36.26	37.74	2.0	15	40	15	1000		150A	S1	A19	
	AV2038	37.24	38.76	2.0	15	55	15	1000		150A	S1	A19	
	AV2039	38.22	39.78	2.0	15	55	15	1000		150A	S1	A19	
	AV2040	39.2	40.8	2.0	15	55	15	1000		150A	S1	A19	
	AV2041	40.18	41.82	2.0	15	55	15	1000		150A	S1	A19	
	AV2042	41.16	42.84	2.0	15	55	15	1000		150A	S1	A19	
	AV2043	42.14	43.86	2.0	15	55	15	1000		150A	S1	A19	
	AV2044	43.12	44.88	2.0	15	55	15	1000		150A	S1	A19	
	AV2045	44.1	45.9	2.0	15	76	15	1000		150A	S1	A19	
▼	SV2045	22.8	25.2	5.0	500	8.0	150	10W	.086	150	S1		
	AV2046	45.08	46.92	2.0	15	76	15	1000		150A	S1	A19	
	AV2047	46.06	47.94	2.0	15	76	15	1000		150A	S1	A19	
▼	SV2047	26.6	29.4	5.0	150	8.0	150	10W	.085	150	S1	D04	
	AV2048	47.04	48.96	2.0	15	76	15	1000		150A	S1	A19	
▼	SV2050	11.4	12.6	5.0	20	40	10			150	S1	D04	
	AV2056	54.88	57.12	2.0	5.0	107	5.0	1000		150A	S1	A19	
	AV2057	55.86	58.14	2.0	5.0	107	5.0	1000		150A	S1	A19	
	AV2058	56.84	59.16	2.0	5.0	107	5.0	1000		150A	S1	A19	
	AV2059	57.82	60.18	2.0	5.0	107	5.0	1000		150A	S1	A19	
	AV2061	59.78	62.22	2.0	5.0	107	5.0	1000		150A	S1	A19	
	AV2078	76.44	79.56	2.0	5.0	220	5.0	1000		150A	S1	A19	
	AV2083	81.34	84.66	2.0	5.0	220	5.0	1000		150A	S1	A19	
	AV2089	87.22	90.78	2.0	5.0	220	5.0	1000		150A	S1	A19	
▼	SV2093	18.05	19.95	5.0	100	3.0	100				S1	D04	
	AV2100	98	102	2.0	5.0	330	5.0	1000		150A	S1	A19	
	AV2105	102.9	107.1	2.0	5.0	330	5.0	1000		150A	S1	A19	
▼	SV2105	23.75	26.25	5.0	150	8.0	150			150	S1	D04	
	AV2110	107.8	112.2	2.0	5.0	330	5.0	1000		150A	S1	A19	
	AV2120	117.6	122.4	2.0	5.0	500	5.0	1000		150A	S1	A19	
	AV2135	132.3	137.7	2.0	5.0	500	5.0	1000		150A	S1	A19	
▼	SV2140	137.2	142.8	2.0	5.0	800	5.0	1000		150A	S1	A19	
	AV2149	14.25	15.75	5.0	100	3.0	100	10W	.08	150	S1	S4a	
	AV2150	147	153	2.0	5.0	800	5.0	1000		150A	S1	A19	
▼	AV2155	151.9	158.1	2.0	5.0	800	5.0	1000		150A	S1	A19	
▼	SV2160	22.8	25.2	5.0	150	1.5	150				S1	D04	
▼	SV2169	17.0	21.0	10	500	3.0	500				S1	D04	
	AV2170	166.6	173.4	2.0	5.0	1150	5.0	1000		150A	S1	A19	
	AV2175	171.5	178.5	2.0	5.0	1150	5.0	1000		150A	S1	A19	
	AV2180	176.4	183.6	2.0	5.0	1150	5.0	1000		150A	S1	A19	
	AV2195	191.1	198.9	2.0	5.0	1150	5.0	1000		150A	S1	A19	
	AV2200	196	204	2.0	5.0	1150	5.0	1000		150A	S1	A19	
▼	SV2097	7.0	9.0	12	10	15	10		.003	150	S1	A45	
▼	SV3120	2.85	3.15	5.0	10	45	5.0				S1	A45	
	CD3123	5.51	6.09	5.0	10	20	10	250	.018	150A	S1	A23	
	CD3124	6.75	7.45	5.0	10	8.0	10	250	.041	150A	S1	A23	
	CD3128	15	16.5	5.0	5.0	120	5.0	250	.089	150A	S1	A23	
	CD3129	18	20	5.0	5.0	200	5.0	250	.092	150A	S1	A23	
	SS3140	1.09	1.21	5.0Δ	10	20	10	250	.21	100	S1	A27	
▼	SV3140	1.102	1.208	5.0	10	20	10			100A	S1	A45	
	SV3140A	1.127	1.173	2.0	10	20	10			100A	S1	A45	
	SS3143	2.14	2.36	5.0Δ	10	30	10	250	.19	100	S1	A27	

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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
▼	SV3143	2.143	2.363	5.0	10	30	10			100A	S1	A45	
	SV3143A	2.205	2.295	2.0	10	30	10			100A	S1	A45	
	SS3144	2.52	2.78	5.0Δ	10	40	10	250	.20	100	S1	A27	
▼	SV3144	2.517	2.783	5.0	10	40	10			100A	S1		
	SV3144A	2.597	2.703	2.0	10	40	10			100A	S1	A45	
	SS3145	2.85	3.15	5.0Δ	10	40	10	250	.19	100	S1	A27	
▼	SV3145	2.85	3.15	5.0	10	40	10			100A	S1	A45	
▼	SV3145A	2.94	3.06	2.0	10	40	10			100A	S1	A45	
▼	SV3146	13.86	14.14	1.0	5.0	40	10	2W	.006		S1		
	CD3169	53.2	58.8	5.0	2.0	210	2.0	400	.100	200	S1		
▼	SV3170	6.7	7.4	5.0	10	10	10		.02	125A	S1	A45	
	CD3171	58.9	65.1	5.0	2.0	240	2.0	400	.100	200	S1		
▼	SV3171	6.7	7.4	5.0	10	10	10		.01	125A	S1	A45	
	CD3173	71.25	78.75	5.0	2.0	320	2.0	400	.100	200	S1		
▼	SV3173	8.0	8.8	5.0	10	15	10		.005	125A	S1	A45	
▼	SV3173SP	7.89	8.82	5.0	10	15*	10	250		150J	S1	C7	
	CD3174	77.9	86.1	5.0	2.0	350	2.0	400	.100	200	S1		
▼	SV3176	8.0	8.8	5.0	10	15	10		.001	125A	S1	A45	
	SV3206	16	17.6	5.0	10	30	10		.002	125A	S1	A45	
	SV3207	16	17.6	5.0	10	30	10		.001	125A	S1	A45	
▼	SV3321	5.9	6.5	5.0	7.5	18	7.5		.05		S1	D07	
▼	SV3334	.98	8.82	5.0	10	15	10	200	.001	200	S1	A45	
▼	SV4010A	9.9	10.1	1.0	1.0	90	10	500	.02	150A	S1	A45	
	SV4012A	11.88	12.12	1.0	1.0	30	10	500	.03	150A	S1	A45	
▼	AV4014	13.72	14.28	2.0	50	9.0	50	3000		150A	S1	S10	
	SV4015A	14.85	15.15	1.0	1.0	20	10	500	.05	150A	S1	A45	
	AV4016	15.68	16.32	2.0	50	9.0	50	3000		150A	S1	S10	
	AV4017	16.66	17.34	2.0	50	14	50	3000		150A	S1	S10	
	AV4018	17.64	18.36	2.0	50	14	50	3000		150A	S1	S10	
	SV4018	17.64	18.36	2.0	1.0	40	10	500	.06	150A	S1	A45	
	AV4019	18.62	19.38	2.0	50	14	50	3000		150A	S1	S10	
	AV4020	19.6	20.4	2.0	50	14	50	3000		150A	S1	S10	
	AV4021	20.58	21.42	2.0	15	20	15	3000		150A	S1	S10	
	AV4022	21.56	22.44	2.0	15	20	15	3000		150A	S1	S10	
	SV4022	21.56	22.44	2.0	1.0	120	5.0	500	.07	150A	S1	A45	
	SV4022A	21.78	22.22	1.0	1.0	120	5.0	500	.07	150A	S1	A45	
	AV4024	23.52	24.48	2.0	15	20	15	3000		150A	S1	S10	
	AV4025	24.5	25.5	2.0	15	20	15	3000		150A	S1	S10	
	AV4027	26.46	27.54	2.0	15	29	15	3000		150A	S1	S10	
	SV4027A	26.73	27.27	1.0	1.0	200	5.0	500	.08	150A	S1	A45	
	AV4028	27.44	28.56	2.0	15	29	15	3000		150A	S1	S10	
	AV4031	30.38	31.62	2.0	15	40	15	3000		150A	S1	S10	
	AV4032	31.36	32.64	2.0	15	40	15	3000		150A	S1	S10	
	AV4033	32.34	33.66	2.0	15	40	15	3000		150A	S1	S10	
▼	SV4033	32.34	33.66	2.0	1.0	240	5.0	500	.08	150A	S1	A45	
	SV4033A	32.67	33.33	1.0	1.0	240	5.0	500	.08	150A	S1	A45	
	AV4034	33.32	34.68	2.0	15	40	15	3000		150A	S1	S10	
	AV4035	34.3	35.7	2.0	15	40	15	3000		150A	S1	S10	
	AV4037	36.26	37.74	2.0	15	40	15	3000		150A	S1	S10	
	AV4038	37.24	38.76	2.0	15	55	15	3000		150A	S1	S10	
	AV4039	38.22	39.78	2.0	15	55	15	3000		150A	S1	S10	
	AV4040	39.2	40.8	2.0	15	55	15	3000		150A	S1	S10	
	AV4041	40.18	41.82	2.0	15	55	15	3000		150A	S1	S10	
	AV4042	41.16	42.84	2.0	15	55	15	3000		150A	S1	S10	
	AV4043	42.14	43.86	2.0	15	55	15	3000		150A	S1	S10	
	AV4044	43.12	44.88	2.0	15	55	15	3000		150A	S1	S10	
	AV4045	44.1	45.9	2.0	15	76	15	3000		150A	S1	S10	
	AV4047	46.06	47.94	2.0	15	76	15	3000		150A	S1	S10	
	AV4048	47.04	48.96	2.0	15	76	15	3000		150A	S1	S10	
	SV4056	54.88	57.12	2.0	.50	1000	5.0	500	.09	150A	S1	A45	
	SV4056A	55.44	56.56	1.0	.50	1000	5.0	500	.09	150A	S1	A45	
	AV4061	59.78	62.22	2.0	5.0	107	5.0	3000		150A	S1	S10	
▼	SV4082	81.18	82.82	1.0	.50	2000	5.0	500	.09	150A	S1	A45	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
 — MECHANICAL AND ENVIRONMENTAL TEST.
 ♦ — PREFERRED TYPE — MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				STATUS	MAT.	DWG. No.
	AV4083	81.34	84.66	2.0	5.0	220	5.0	3000		150A	S1	S10	
	AV4100	98	102	2.0	5.0	330	5.0	3000		150A	S1	S10	
	SV4100	98	102	2.0	.50	3000	5.0	500	.09	150A	S1	A45	
	SV4100A	99	101	1.0	.50	3000	5.0	500	.09	150A	S1	A45	
	AV4105	102.9	107.1	2.0	5.0	330	5.0	3000		150A	S1	S10	
	AV4110	107.8	112.2	2.0	5.0	330	5.0	3000		150A	S1	S10	
	AV4120	117.6	122.4	2.0	5.0	500	5.0	3000		150A	S1	S10	
	AV4130	127.4	132.6	2.0	5.0	500	5.0	3000		150A	S1	S10	
	AV4135	132.3	137.7	2.0	5.0	500	5.0	3000		150A	S1	S10	
	AV4140	137.2	142.8	2.0	5.0	800	5.0	3000		150A	S1	S10	
	AV4150	147	153	2.0	5.0	800	5.0	3000		150A	S1	S10	
	AV4155	151.9	158.1	2.0	5.0	800	5.0	3000		150A	S1	S10	
	AV4170	166.6	173.4	2.0	5.0	1150	5.0	3000		150A	S1	S10	
	AV4175	171.5	178.5	2.0	5.0	1150	5.0	3000		150A	S1	S10	
	AV4180	176.4	183.6	2.0	5.0	1150	5.0	3000		150A	S1	S10	
	AV4195	191.1	198.9	2.0	5.0	1150	5.0	3000		150A	S1	S10	
▼	AV4200	196	204	2.0	5.0	1150	5.0	3000		150A	S1	S10	
▼	SV5013	104	106	1.0	7.0	1200	7.0	3.0W	.10	150	S1	N51	
▼	SV-5020	10.5	11.5	5.0	10	20	10	750		150A	S1	A25	
	PD6000	2.43	2.97	10 \varnothing	10	60	10	250		150	S1	A109	
▼	CVC-6013-5	3.5	3.9	5.0	5.0			150		150	S1	C3	
▼	CVC-6014-9	8.1	8.9	5.0	10	15	10	250	.05	150	S1	A1	
▼	CVC-6014-16	13.3	14.7	5.0	5.0	70	5.0	250	.07	150	S1	A1	
▼	CVC-6014-22	19	21	5.0	5.0	200	5.0	250	.08	150	S1	A1	
▼	HD6032	26.0	35.0	15	.50					S1			
▼	SV6033	13.86	14.14	1.0	100	3.0	100	10W		150	S1	S11a	
▼	PS6313A	8.32	9.18	5.0	200			500		200S	S1		
▼	PS6316	13.5	18	10	.20			500		200A	S1	A46	
	PS6327	110	145	15	.20			500		200A	S1		
	PS6465	2.0	3.2	20	5.0	60	10	500		200A	S1	A48c	
	PS6466	3.0	3.9	10	5.0	55	10	500		200A	S1		
▼	PS6469A	5.51	6.09	5.0	5.0	20	1.0	500		200S	S1		
▼	PS6641	4.75	5.25	5.0	10	55	10			S1			
	AV8010	9.8	10.2	2.0	50	5.0	50	10W		150A	S1	S11	
	AV8011	10.78	11.22	2.0	50	5.0	50	10W		150A	S1	S11	
	AV8014	13.72	14.28	2.0	50	9.0	50	10W		150A	S1	S11	
	AV8016	15.68	16.32	2.0	50	9.0	50	10W		150A	S1	S11	
	AV8017	16.66	17.34	2.0	50	14	50	10W		150A	S1	S11	
	AV8018	17.64	18.36	2.0	50	14	50	10W		150A	S1	S11	
	AV8019	18.62	19.38	2.0	50	14	50	10W		150A	S1	S11	
	AV8020	19.6	20.4	2.0	50	14	50	10W		150A	S1	S11	
	AV8021	20.58	21.42	2.0	15	20	15	10W		150A	S1	S11	
	AV8022	21.56	22.44	2.0	15	20	15	10W		150A	S1	S11	
	AV8024	23.52	24.48	2.0	15	20	15	10W		150A	S1	S11	
	AV8025	24.5	25.5	2.0	15	20	15	10W		150A	S1	S11	
	AV8027	26.46	27.54	2.0	15	29	15	10W		150A	S1	S11	
	AV8028	27.44	28.56	2.0	15	29	15	10W		150A	S1	S11	
	AV8031	30.38	31.62	2.0	15	40	15	10W		150A	S1	S11	
	AV8032	31.36	32.64	2.0	15	40	15	10W		150A	S1	S11	
	AV8033	32.34	33.66	2.0	15	40	15	10W		150A	S1	S11	
	AV8034	33.32	34.68	2.0	15	40	15	10W		150A	S1	S11	
	AV8035	34.3	35.7	2.0	15	40	15	10W		150A	S1	S11	
	AV8036	35.28	36.72	2.0	15	40	15	10W		150A	S1	S11	
	AV8037	36.26	37.74	2.0	15	40	15	10W		150A	S1	S11	
	AV8038	37.24	38.76	2.0	15	55	15	10W		150A	S1	S11	
	AV8039	38.22	39.78	2.0	15	55	15	10W		150A	S1	S11	
	AV8040	39.2	40.8	2.0	15	55	15	10W		150A	S1	S11	
	AV8041	40.18	41.82	2.0	15	55	15	10W		150A	S1	S11	
	AV8042	41.16	42.84	2.0	15	55	15	10W		150A	S1	S11	
	AV8043	42.14	43.86	2.0	15	55	15	10W		150A	S1	S11	
	AV8044	43.12	44.88	2.0	15	55	15	10W		150A	S1	S11	
	AV8045	44.1	45.9	2.0	15	76	15	10W		150A	S1	S11	
	AV8046	45.08	46.92	2.0	15	76	15	10W		150A	S1	S11	

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 — PREFERRED TYPE — MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
	AV8047	46.06	47.94	2.0	15	76	15	10W		150A	S1	S11	
	AV8048	47.04	48.96	2.0	15	76	15	10W		150A	S1	S11	
	AV8055	53.9	56.1	2.0	5.0	107	5.0	10W		150A	S1	S11	
	AV8060	58.8	61.2	2.0	5.0	107	5.0	10W		150A	S1	S11	
	AV8061	59.78	62.22	2.0	5.0	107	5.0	10W		150A	S1	S11	
	AV8066	64.68	67.32	2.0	5.0	155	5.0	10W		150A	S1	S11	
	AV8068	66.64	69.36	2.0	5.0	155	5.0	10W		150A	S1	S11	
	AV8069	67.62	70.38	2.0	5.0	155	5.0	10W		150A	S1	S11	
	AV8071	69.58	72.42	2.0	5.0	155	5.0	10W		150A	S1	S11	
	AV8072	70.56	73.44	2.0	5.0	155	5.0	10W		150A	S1	S11	
	AV8080	78.4	81.6	2.0	5.0	220	5.0	10W		150A	S1	S11	
	AV8081	79.38	82.62	2.0	5.0	220	5.0	10W		150A	S1	S11	
	AV8083	81.34	84.66	2.0	5.0	220	5.0	10W		150A	S1	S11	
	AV8084	82.32	85.68	2.0	5.0	220	5.0	10W		150A	S1	S11	
	AV8085	83.3	86.7	2.0	5.0	220	5.0	10W		150A	S1	S11	
	AV8086	84.28	87.72	2.0	5.0	220	5.0	10W		150A	S1	S11	
	AV8087	85.26	88.74	2.0	5.0	220	5.0	10W		150A	S1	S11	
	AV8088	86.24	89.76	2.0	5.0	220	5.0	10W		150A	S1	S11	
	AV8089	87.22	90.78	2.0	5.0	220	5.0	10W		150A	S1	S11	
	AV8100	98	102	2.0	5.0	330	5.0	10W		150A	S1	S11	
	AV8105	102.9	107.1	2.0	5.0	330	5.0	10W		150A	S1	S11	
	AV8110	107.8	112.2	2.0	5.0	330	5.0	10W		150A	S1	S11	
	AV8120	117.6	122.4	2.0	5.0	500	5.0	10W		150A	S1	S11	
	HZ8122	4.3	4.7	5.0	10	55	10	250			S1		
	HZ8125	5.7	6.3	5.0	10	20	10	250			S1		
	HZ8129	7.6	8.4	5.0	10	15	10	250			S1		
	AV8130	127.4	132.6	2.0	5.0	500	5.0	10W		150A	S1	S11	
	HZ8131	8.1	8.9	5.0	10	15	10	250			S1		
	AV8135	132.3	137.7	2.0	5.0	500	5.0	10W		150A	S1	S11	
	HZ8139	13.3	14.7	5.0	5.0	70	10	250			S1		
	AV8140	137.2	142.8	2.0	5.0	800	5.0	10W		150A	S1	S11	
	HZ8141	14.2	15.8	5.0	5.0	120	10	250			S1		
	HZ8142	15.2	16.8	5.0	5.0	120	10	250			S1		
	HZ8144	17.1	18.9	5.0	5.0	200	10	250			S1		
	HZ8145	18	20	5.0	5.0	200	5.0	250			S1		
	HZ8147	4.3	5.4	10	10	55	10	250			S1		
	AV8150	147	153	2.0	5.0	800	5.0	10W		150A	S1	S11	
	AV8155	151.9	158.1	2.0	5.0	800	5.0	10W		150A	S1	S11	
	HZ8155	17	21	10	5.0	200	10	250			S1		
	HZ8156	2	27	15	5.0	300	10	250			S1		
	AV8160	156.8	163.2	2.0	5.0	800	5.0	10W		150A	S1	S11	
	AV8170	166.6	173.4	2.0	5.0	1150	5.0	10W		150A	S1	S11	
	AV8175	171.5	178.5	2.0	5.0	1150	5.0	10W		150A	S1	S11	
	AV8195	191.1	198.9	2.0	5.0	1150	5.0	10W		150A	S1	S11	
	AV8200	196	204	2.0	5.0	1150	5.0	10W		150A	S1	S11	
▼	040458A	9.0	11.0	10	.20						S1	C1	
▼	D50208	135	165	10	.001	10K					S1	N46	
▼	AC-052858A	95	105	5.0	150							D04	
▼	WX58131	29.45	32.55		7.5	100	7.5	1000			S1		
▼	67198-501-5	6.175	6.825	5.0	7.5	15	7.5				S1	A1	
▼	CE93903	19	21	5.0	4.0	20	4.0	250			175A	D07	
▼	99250-102	.576	.704	10	1.0	60	1.0				S1	A1	
▼	A99250-114	5.9	6.5	5.0	40	10		250			S1	A38d	
▼	A99250-118	8.6	9.5	5.0	27	10		250			S1	A38d	
▼	A99250-119	9.5	10.5	5.0	25	10		250			S1	A38d	
▼	102,659A	9.9	10.1	1.0	10	50	10	400				A28	
▼	110568	.513	.627	10	1.0	40	1.0						
▼	111356A	4.75	5.25	5.0	10			150				C1	
▼	111356B	9.5	10.5	5.0	1.0			150				C1	
▼	111356C	7.5	12	15	1.0			300				C1	
▼	CO-111356D	13.5	18.0	5.0	1.0			300				C1	
▼	CO-111356E	32	48	20	.50			300				C1	

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♦ — PREFERRED TYPE — MIL-STD 701

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				STATUS	MAT.	DWG. No.
▼	CO-121456A	39	43	5.0	.20			300		150A	S1	C1	
▼	CO-121456B	39	43	5.0	.20			300		150A	S1	C1	
▼	178656N	7.6	8.4	5.0	2.0			150		175		C1	
▼	B181157	.208	.312	20	1.0	60	1.0	80	.077	90	N	Ge	D07
▼□	L221821-1	4.75	5.25	5.0	10	55		50	.008			S1	A8a
▼□	L221821-4	4.27	4.73	5.0	10	55		750	.01			S1	A8a
▼□	L221821-6	5.70	6.3	5.0	10	20		750	.01			S1	A8a
▼□	L221821-9	7.6	8.4	5.0	10	15		750	.05			S1	A8a
▼□	A422056-1	28.5	31.5	5.0	.20	1000	.20			100		S1	A61p
▼	436938	9.8	10.2	2.0	50	.55*	200	10W		165A	S1	D04	
▼	436939	17.64	18.36	2.0	150	2.0*	110	10W		165A	S1	D04	
▼	449337-3	16.7	18.4	5.0	3.0						S1	C1	
▼	466764-7	4.9	5.5		8.8	35	8.8	200		200S	S1	C1	
▼	484529-9	101	109	8.0	.20	4000*	.75	100	.14		S1	C1	
▼♦	488830-1	23	44	30							S1	A48e	
▼	549156	49.5	50.5	1.0	7.5	60	7.5	1500	.09		S1	C12Δ	
▼	615002-15	20	24	10	8.0	10	15	1000	.064	200S	S1Δ		
▼□	615002-22	24.3	29.7	10	15	23	15	1000	.09	175A	S1	A31	
▼□	615002-23	43	51	10	15	28	15	3000	.072	250A	S1	A9	
▼□	615002-24	51	62	10	15	30	15	3000	.075	250A	S1	A9	
▼□	615002-27	15.2	16.8	5.0	12	15	12	250	.075	175A	S1	A1	
▼□	615002-29	24	30	10	15	18	15	1000	.066	200A	S1	A9	
▼□	615002-30	30	36	10	15	24	15	1000	.068	200A	S1	A9	
▼□	615003-6	28.5	31.5	5.0	150	4.0*	150	10W		175C	S1	S11	
▼□	615003-8	77.9	86.1	5.0	30	25*	30	10W		175C	S1	S28	
▼□	615003-9	95	105	5.0	25	40*	25	10W		175C	S1	S28	
▼□	615003-308	77.9	86.1	5.0	30	25*	30	10W		175C	S1	S28	
▼□	615003-309	95	105	5.0	25	40*	25	10W		175C	S1	S28	
▼	615003-323	28.5	31.5	5.0	85	8.0	85	10W		175S	S1	D04	
▼□	615010-5	7.5	9.1	10	5.0	15*	5.0	200		150A	S1	A31	
▼□	615010-8	19	21	5.0	15	13*	15	1000		175A	S1	A31	
▼□	615010-10	11.4	12.6	5.0	20	30*	20	400		175A	S1	A1	
▼□	615010-11	45.9	56.1	10	15	74*	15	1000		175A	S1	A31	
▼□	615010-13	12.35	13.65	5.0	50	5.8*	50	1000		175A	S1	A31	
▼□	615010-22	19	21	5.0	.70	300*	.70	250		150A	S1	A1	
▼□	615010-28	6.2	8.0	12	10	8.0*	10	750		150A	S1	A1	
▼□	615010-34	47.5	52.5	5.0	5.0	90*	5.0	750		175A	S1	A31a	
▼□	615010-35	77.9	84.1	5.0	3.0	200*	3.0	750		175A	S1	A31a	
▼□	615010-36	64.6	71.4	5.0	3.7	150*	3.7	750		175A	S1	A31a	
▼□	615011-3	99	101	1.0	7.5	220*	7.5	2500	.005	175A	S1	A29	
▼□	615011-5	11.1	12.3	5.0	7.5	25*	7.5	750	.005	175A	S1	A31a	
▼□	617893-2	28.5	28.6		2.0	1100*	.20	150		150A	Mtchd pr	C1	
▼□	617893-3	33.9	34.1		2.0	1200*	.20	150		150A	Mtchd pr	C1	
▼□	617914	237.5	262.5	5.0	.20	8000*	.20	400	.12	150A	S1	N53	
▼□	617941-4	148.5	151.5	1.0	10	150	10	30W		175A	S1	S28	
▼□	620385-22	21.56	22.44	2.0	.20	300	2.0	150		150A	S1	C1	
▼	625013-073	28.5	31.5	5.0	15	24	15	1000	.068		S1	A86	
▼	625013-074	28.5	31.5	5.0	1.0	200	3.0	400	.096		S1	A86	
▼	625014-443	13.5	16.5	10	17	7.0	17	750		175J	Mtchd pr	A31a	
▼□	632704-113	44.6	49.4	5.0	4.0	98*	4.0	250		175A	S1	A1	
▼□	666137-234	6.085	6.615	5.0	250	1.0*	10	10W		175A	S1	S4c	
▼	C682742-1	81.9	100.1	10	5.0	220	5.0	1000	.095	175A	S1	A31	
▼□	720670-14	4.75	5.25	5.0	1000	.50*	1000	10W		150J	S1	S11a	
▼□	720670-15	9.5	10.5	5.0	500	2.0*	500	10W		175S	S1	S11	
▼□	720670-27	71	79	5.0	2.0	240*	2.0	250		175S	S1	A21	
▼□	720670-28	20.9	23.1	5.0	6.0	19*	6.0	750		165S	S1	A19	
▼□	720670-31	6.0	6.6	5.0	5.0	25*	10	200		200J	S1	C1	
▼□	720670-34	8.9	9.7	5.0	10	15*	10	750	.005	175S	S1	A31a	
▼□	720670-35	2.47	2.73	5.0	5.0	60*	5.0	250		175S	S1	A21	
▼	720670-39	6.645	7.455	5.0	5.0	10	10	200		200A	S1	DO7	
▼□	720670-53	11.4	12.6	5.0	31	7.0*	31	1500		175A	S1	C14	
▼□	720670-54	11.59	12.81	2.0	1.0	300*	1.0	500		150A	S1	A67	
▼	720670-56	5.6	9.4	25	300	.20	300	10W	.05		S1		

▼ - TYPE NUMBER IN NAVY STOCK SYSTEM.

□ - MECHANICAL AND ENVIRONMENTAL TEST.

♦ - PREFERRED TYPE - MIL-STD 701

SEE BACK COVER

for

EXPLANATION of SYMBOLS.

13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS.	Nominal Temp. Coeff.	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				S T A T U S	MAT.	DWG. No.
▼	720670-57	10.9	18.1	25	15	2.4	15	1000	.075		S1		
▼□	720670-64	18	20	5.0	.20			500		200A	S1	A46	
▼□	720670-65	18	20	5.0	.20	14*	20	1500		175A	S1	C12	
▼□	720670-67	23.7	26.3	5.0	.10	30*	10	750		175J	S1	A31a	
▼□	720670-70	40.8	45.2	5.0	290	4.5*	290	50W		175J	S1	C5a	
▼□	720670-71	8.3	9.2	5.0	200			500		200A	S1	A46	
▼□	720670-72	9.9	11.0	5.0	200			500		200A	S1	A46	
▼□	720670-73	12.2	13.3	5.0	200			500		200A	S1	A46	
▼□	720670-75	22.4	24.6	5.0	200			500		200A	S1	A46	
▼□	720670-77	3.9	4.3	5.0	5.0	45*	10	500		200S	S1	N12	
▼□	752909	5.9	6.5	5.0	.20			200		150A	N	S1	A27
▼□	816141-1	5.9	6.5	5.0	.20	10	20	400		175	S1	N12a	
▼	826217	210	230	5.0	.07	154K	135				N	S1	A12
▼□	900120-86	3.705	4.095	5.0	.20	23	20	400		175S	N	S1	A1C1
▼□	925008-19	17.1	18.9	5.0	.20	500	1.5	150		100A	N	S1	A23
▼□	925008-21	11.4	12.6	5.0	.20	70	5.0	150		100A	N	S1	N12
▼□	925008-31	5.0	5.5	5.0	2.0	70*	5.0	125		100A	N	S1	A23
▼	925011-3 ♦	200	Mtchd	10 mv at		.5ma		200		85A	N	S1	M51
▼	925011-9 ♦		60	Mtchd	15 mv at	30 ma		200		85A	N	S1	M51
▼	925016-5	3.62				100	5.0	250		125A	N	S1	A1
▼□	925251-3	9.5	10.5	5.0	.20	70	5.0	200	.12	125A	N	S1Δ*	A23
▼□	925251-4	4.2				90	4.0	150	1200	125A	N	S1Δ*	D04
▼□	925251-5	7.0	8.0	6.6	2.0	10	10	250	.086	125A	N	S1Δ*	D014
▼□	925251-6	19.0	21.0	5.0	5.0	300	5.0	250	.105	125A	N	S1Δ*	D014
▼□	925251-7	14.16	14.44	1.0	5.0	40	5.0	250	.056	125A	N	S1Δ*	M51
▼□	925251-8	14.85	15.15	1.0	1.0	20	10.0	500	.074	125A	N	S1Δ*	A45
▼□	925251-9	19.0	21.0	5.0	25.0	5.0	25.0	10W	.10	125A	N	S1Δ*	D04
▼□	925251-10	23.8	25.2	5.0	.15	10	15	10W	.105	125A	N	S1Δ*	D04
▼□	925251-11	23.8	25.2	5.0	.10	10	25	10W		125A	N	S1Δ*	A6a
▼□	925251-12	2.85	3.15	5.0	6.0	150	6.0	250		125A	N	S1Δ*	D014
▼□	925251-13	4.75	5.25	5.0	.50	60	10	250	.034		S1	A1	
▼	956442-501	11.4	12.6	5.0	500	3.0	210	10W	.065	175S	S1		
▼	966904-501	4.75	5.25	5.0	.10	55	10				S1	A1	
▼	967164-501-3	6.65	7.35	5.0	.50	8.0	5.0				S1	A1	
▼	967164-501-7	12.35	13.65	5.0	5.0	70	5.0				S1	A1	
▼	967164-501-13	23.8	25.2	5.0	5.0	300	5.0				S1	A1	
▼	967197-501-7	6.35	6.65	2.5	7.5	15	7.5	50	.01	150	S1	A1	
▼	967197-501-9	6.17	6.43	2.0	7.5	15	7.5	50	.002	150	S1	A1	
▼□	967516-501-3	12.35	13.65	5.0	5.0	70	5.0				S1	N48	
▼□	967516-501-7	22.8	25.2	5.0	5.0	300	5.0				S1	N48	
▼□	1036794-2	5.2	6.4	10	10	20	10	750		150	S1	A70	
▼□	1036794-6	11.0	14.0	10	5.0	70	5.0	750		150	S1	A70	
▼□	1050999	64.6	71.4	5.0	3.0	114	3.0		.10	175	S1	A9	
▼□	1060472-1	64.6	71.4	5.0	5.0	125	5.0	1W	.10	175S	S1	A31	
▼□	1060472-2	11.4	12.6	5.0	5.0	5.0	5.0	1W	.07	175S	S1	A31	
▼	1079542	18	22	10	5.0	70		10W	.095	165A	S1	N40	
▼	1118822	20	30	20	15	18	15	1.5W	.08	175C	S1		
▼	1307035-1	27.44	28.56	2.0	150	5.0	150	(4 mtchd.)		130	S1	S11a	
▼	1617451-1	4.75	5.25	5.0	5.0	25	10	200		200	S1	C1	
▼	1617451-2	6.175	6.825	5.0	5.0	5.0	10	200		200	S1	C1	
▼	1617451-3	7.125	7.875	5.0	5.0	5.0	10	200		200	S1	C1	
▼	1655137	16.25	17.75	5.0	.10	3.0	5.0A	10W		150A	S1	D04	
▼	1777516	5.50	6.10	5.0	5.0	40*	10	200		200A	S1	C1	
▼□	1876822	4.28	4.73	10	1.0	.50	1.0	10.5W		150	S1	S11a	
▼□	1979107-2	3.89	4.31	5.0	5.0	45*	10	250		200J	S1	A1	
▼□	1979821	5.9	6.5	5.0	7.5	10	7.5	200		200J	S1	C1	
▼	1979827-1	6.65	7.35	5.0	1000	.80	1000	10W		150J	S1	S4c	
▼	1979827-2	5.23	5.78	5.0	1000	.70	1000	10W		150J	S1	S4c	
▼	1979827-4	24.7	27.3	5.0	150	8.0	150	10W		150J	S1	S4c	
▼□	1979829-1	7.98	8.82	5.0	10	15*	10	250		150J	S1	C7	
▼□	1979832-2	13.5	16.5	10	5.0	120*	5.0	750			S1	A27	
▼□	1979832-3	5.23	5.78	5.0	10.0	20*	10.0	750			S1	A27	
▼□	1979832-4	6.65	7.35	5.0	10.0	8.0*	10.0	750			S1	A27	

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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

SYMBOLS Explained at bottom of page	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Toler- ance (± %)	@ I _Z (ma)	Z (ohms)	@ I _Z (ma)				STATUS	MAT.	DWG. No.
▼□	1979832-5	7.12	7.88	5.0	10.0	8.0*	10.0	750	.080	175A	S1	A27	
▼□	1979945-1	22.8	25.2	5.0	10.5	25*	10.5	1000	.035		S1	DO3	
▼	1981296	.513	.627	10	1.0	40	1.0				S1	S11a	
▼□	1999131	4.3	5.4	10	1000	.50	2.0A	11W		150	S1	DO4	
▼□	2003175	7.5	10.0	15	.20					150A	S1	C1	
▼□	2003238	5.2	6.4	10	5.0	40	10	200		200	S1	C1	
▼	2016490-2	40.85	45.15	5.0	15	105*	5.0	1000	.19	175J	S1	A31	
▼	2016728-6	168.0	198.0	8.2	10	200*	10	11W		150J	S1	S4c	
▼	2017289-1	10.0	11.0	5.0	1.0						S1	C1	
▼	2017328-1	8.0	8.8	4.8	10				75	.001	S1	S20	
▼□	2019269-4	8.2	10	10	500	1.0	10	10W		175J	S1	S11	
▼□	2019599-12	12.35	13.65	5.0	5.0	70*	5.0	750		150	S1	A25	
▼□	2019600-1	4.27	4.75	5.0	10	55*	10	250	.00		S1	A1	
▼□	2019600-8	9.5	10.5	5.0	5.0	50*	5.0	250	.06		S1	A1	
▼□	2019600-14	19.0	21.0	5.0	5.0	200*	5.0	250	.08		S1	A1	
▼□	2019600-15	22.8	25.2	5.0	5.0	800*	5.0	250	.09		S1	A1	
▼□	2019600-17	7.125	7.88	5.0	10	8.0*	10	250	.04		S1	A1	
▼□	2019611-1	14.25	15.75	5.0	.20					150J	S1	C1	
▼□	2019613-5	6.75	7.46	5.0	5.0	10*	5.0	250			100J	S1	A1
▼□	2019621-1	17.1	18.9	5.0	5.0	200*	5.0	750	.08	150J	S1	A25	
▼□	2028467-1	9.90	10.10	1.0	1.0	90	10	50	.02	140	S1	A49b	
▼□	2028467-2	26.73	27.27	1.0	1.0	200	50	100	.08	140	S1	A49b	
▼□	2028467-3	46.53	47.47	1.0	.50	600	5.0	250	.09	140	S1	A49b	
▼□	2030318	20.0	27.0	10	5.0	300	5.0	250		150	S1	A1	
▼□	2031120	67.62	70.38	2.0	10	80	10	7.5W	(10mtchd)	150	S1	A25	
▼□	2031121	6.18	6.83	5.0	10	8.0	10	750		150	S1	A25	
▼□	2031177	6.2	8.0	10	10	8.0	10	250		150	S1	A1	
▼□	2031178	4.3	5.4	10	10	55	10	250		150	S1	A1	
▼□	2031179	13.3	14.7	5.0	5.0	70	5.0	250		150	S1	A1	
▼□	2031180	14.25	15.75	5.0	5.0	120	5.0	250		150	S1	A1	
▼□	2031181	22.8	25.2	10	5.0	300	5.0	250		150	S1	A1	
▼□	2031189	7.5	10.0	10	10	15	10	250		150	S1	A1	
▼□	2031193	5.2	6.4	10	10	20	10	250		150	S1	A1	
▼□	2031194	11	14.5	10	.20					150	S1	C1	
▼□	2031310	14.25	15.75	5.0	500	3.0	500	10W		150	S1	S11a	
▼□	2031361	10.45	11.55	5.0	5.0	50	5.0	750		150A	S1	A84	
▼□	2031401	14.25	15.75	5.0	5.0	120	5.0	750		150	S1	A25	
▼	2041596	5.31	5.61	2.0	130	1.1	26	750	.03	165	S1	A33	
▼□	2061905	25.6	28.3	5.0	250	3.0	250	10W	.08		S1	S28	
▼	L2088278-1	30.4	36.6	9.3	22	500*	22	750		150J	S1	A25	
▼	L2088293-8	7.6	8.4	5.0	10	15*	10	200	.12		S1	A1	
▼	L2088305-1	19.8	20.2	2.0	1.0	120*	5.0	500	.12	150J	S1	A45	
▼□	2124398	25.6	28.4	5.0	250	3.0	250	10W	.08	150A	S1	S28	
▼□	2157086-2	9.0	11.0	10	250	3.0	250	10W			S1	DO4	
▼□	2157086-3	13.5	16.5	10	170	3.0	170	10W			S1	DO4	
▼□	2157086-4	9.8	10.2	2.0	250	3.0	250	10W			S1	DO4	
▼□	2157086-5	12.35	13.65	5.0	190	3.0	190	10W			S1	DO4	
▼□	2157094-2	14.25	15.75	5.0	25	10	25	1500		150J	S1	C12	
▼	2166807	35	43	10	13						Pair S1	S28	
▼	2168900	10.8	13.2	10	170	2.0	170	10W			S1	DO4	
▼□	2243272-1	11.4	11.6	1.0	7.5	30*	7.5	500	±.002	175S	S1	A1	
▼	2243275	27.0	27.6	1.0	6.9	30	6.9	250		175	S1	DO7	
▼□	2243314-1	6.17	6.83	5.0	7.5	15*	7.5		.01	150A	S1	A1	
▼	2262458	9.6	14.4	20	5.2	15	5.2	250	.065	175J	S1	A22a	
▼	2262623	8.38	8.22	1.0	7.6	9.0	7.6	250	.048	175	S1	A62	
▼	4660207	9.5	10.5	5.0	500	1.2	500	35W	.058	175A	S1Δ		
▼	7901722-001	3.61	3.99	5.0	5.0	75	5.0	150	.042	150 Mtchd pr.	C3		
▼□	8706018-8	6.65	7.35	5.0	5.0	5.0	5.0	150	.044	150	S1	C3	
▼	8937584-11	4.3	4.7	5.0	5.0	75	5.0	150	.05	175	S1	N12b	
▼	8950133-1	9.0	12.0	14	5.0	50*	5.0	750	.02	150J	S1	A27	
▼	8950184-1	16.92	20.68	10	65	6.0*	125	(Stack of 4 units)			S1	S19a	
▼	8950229-13	17.1	18.9	5.0	23	11	23	1000	.12	175J	S1	A41	
▼	8950229-24	48.5	53.5	5.0	10	74	10	1000	.14	175J	S1	A41	

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13. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

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— MECHANICAL AND ENVIRONMENTAL TEST.

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14. SWITCHING DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current I _f (ma) @ E _f (volts)	MAX. REVERSE CURRENT				Recovery Characteristics				CAP.	DESCRIPTION				
				@ 25°C		I _b (μA)	E _b (volts)	@ T (°C)	Test Conditions	FWD. I _f (ma)	REV. E _b (volts)	Zrec (kohms)	@ Time t (μsec)		STATUS	MAT.	DWG. No.
				I _b (μA)	E _b (volts)												
▼	CO1	40	4.0 1.0	10	40	200	40	100	30	35	200	.50		S1	C1		
	GMD1	40	5.0 .40	5.0	10				5.0	10	3ma	30n	2.0Δ	Ge#	A2		
▼	1N99	50	10 1.0	50	50	30	10	55	20	10	200	2.0		Ge			
▼	1N119	60	5.0 1.0			125	50	55	30	35	50	.50		GeΔ			
	1N120	60	5.0 1.0			250	50	55	30	35	50	.50		GeΔ			
▼	1N191	90	5.0 1.0	25	10	125	50	25	30	35	50	.50		Ge	A21		
▼	1N192	70	5.0 1.0	20	10	50	70	50	30	35	50	.50		Ge	A21		
	1N195	50	2.0 2.0	80	40	700	40	150	30	35	120	.10		S1			
▼	1N196	50	1.0 2.0	40	50	500	50	150	30	35	350	.10		S1			
▼	1N198B	80	25 1.0	10	10	75	10	75	2.0Δ	6.0	100	.30		GeΔ	D07		
▼	1N251	30	5.0 1.0	.20	10	10	10	100	5.0Δ	10		.15	M	S1			
	1N251A	100	5.0 1.0	.10	10	10	10	125	5.0	10	20	.15		S1	D07		
▼	JAN1N251	30		.20	10	10	10	100	5.0	10	1.0	.15	M	S1	A1		
▼	1N252	20	10 1.0	.10	5.0	10	5.0	125	5.0Δ	10		.15		S1			
	1N252A	100	10 1.0	.10	10	10	10	125	5.0	10	40	.15		S1	D07		
♦	JAN1N276	50	40 1.0	100	50	100	10	75A	5.0	40	2.0	.30	.70	M	Ge	D07	
	1N417	60	50 3.5	120	60				5.0	40	80	.30		Ge			
	1N418	60	8.0 1.0	120	60				5.0	40	50	.30		Ge			
▼	1N625	30	4.0 1.5	1.0	20	30	20	100	30	35	400	1.0		S1Ø	A21		
	1N625A	20	10 1.5	.10	20	30	20	150	30	35	400	.50		S1			
	1N625M	30	4.0 1.5	1.0	20	30	20	100	30	35	400	1.0		S1	A2a		
▼	1N626	50	4.0 1.5	1.0	35	30	35	100	30	35	400	1.0		S1Ø	A21		
	1N626A	35	10 1.5	.10	35	30	35	150	30	35	400	.50		S1	D07		
	1N626M	50	4.0 1.5	1.0	35	30	35	100	30	35	400	1.0		S1	A2a		
▼	1N627	100	4.0 1.5	1.0	75	30	75	100	30	35	400	1.0		S1Ø	A21		
	1N627M	100	4.0 1.5	1.0	75	30	75	100	30	35	400	1.0		S1	A2a		
▼	1N628	150	4.0 1.5	1.0	125	30	125	100	30	35	400	1.0		S1Ø	A21		
	1N628A	125	10 1.5	.10	125	30	125	150	30	35	400	.50		S1	D07		
	1N628M	150	4.0 1.5	1.0	125	30	125	100	30	35	400	1.0		S1	A2a		
▼	1N629	200	4.0 1.5	1.0	175	30	175	100	30	35	400	1.0		S1Ø	A21		
	1N629A	175	10 1.5	.10	175	30	175	150	30	35	400	.50		S1	D07		
	1N629M	200	4.0 1.5	1.0	175	30	175	100	30	35	400	1.0		S1	A2a		
	1N631	60	50 3.5						5.0	40	80	.30		Ge	D07		
	1N632	60	7.0 1.0	120	60				5.0	40	50	.30		Ge	D07		
▼	1N643	175*	10 1.0	.025	10	15	100	100A	5.0Δ	40	200	.30	A	S1	D07		
▼	1N643A	200	100 1.0						5.0Ø	40	200	.30		S1	A21		
	1N643AM	200	100 1.0	1.0	100	15	100	100	5.0	40	200	.30		S1	A2a		
	1N643M	175*	10 1.0	.025	10	15	100	100A	5.0Δ	40	200	.30		S1Δ	A2		
▼	1N658	100	100 1.0	.05	50	25	50	150	5.0	40	80	.30	A	S1	D07		
	1N658A	100	100 1.0	.025	50	5.0	50	150	5.0	40	80	.30		S1			
	1N658AM	120	100 1.0	.025	50	5.0	50	150	5.0	40	80	.30		S1	A2a		
	1N658M	100	100 1.0	.05	50	25	50	150	5.0	40	80	.30		S1	A2		
▼♦	USA1N658	100	100 1.0	.05	50	25	50	150	5.0	40	80	.30	A	S1	D07		
	1N659	50†	6.0 1.0	5.0	50	25	50	100	30Δ	35	400	.30		S1Δ	A1		
	1N659A	50	10 1.0	.025	50	5.0	50	150	30	35	400	.30		S1	D07		
▼	1N659M	60	6.0 1.0	5.0	50	25	50	100	30	35	400	.30		S1	A2a		
	1N660	100†	6.0 1.0	5.0	100	50	100	100	30Δ	35	400	.30		S1Δ	A1		
	1N660A	100	10 1.0	.025	100	5.0	100	150	30	35	400	.30		S1	D07		
	1N660AM	120	10 1.0	.025	100	5.0	100	150	30	35	400	.30		S1	A2a		
	1N660M	120	6.0 1.0	5.0	100	50	100	100	30	35	400	.30		S1	A2a		
▼	1N661	200†	6.0 1.0	10	200	100	200	100	30Δ	35	400	.30		S1Δ	A1		
	1N661A	200	10 1.0	.025	200	5.0	200	150	30	35	400	.30		S1			
	1N661AM	240	10 1.0	.025	200	5.0	200	150	30	35	400	.30		S1	A2a		
	1N661M	240	6.0 1.0	10	200	100	200	100	30	35	400	.30		S1	A2a		
▼♦	1N662	80*	10 1.0	1.0	10	100	50	100A	5.0Δ	40	100	.50	A	S1Δ	A1		
♦	JAN1N662	80	10 1.0	20	50	100	50	100J	5.0	40	2.3	.50	M	S1	A1		
	1N662A	100	100 1.0						5.0Ø	40	100	.50		S1	A21		
▼	1N663	80*	100 1.0	5.0	75	50	75	100A	5.0Δ	40	200	.50	A	S1Δ	D07		
	1N663A	100	100 1.0						5.0Ø	40	200	.30		S1	A46		
	JAN1N663	80	100 1.0	5.0	75	50	75	100A	5.0	40	2.3	.50	M	S1	D07		
▼	1N663M	100	100 1.0	.10	75	15	75	100	5.0	40	200	.30		S1	A2a		
	1N690	36	400 1.0	.25	30	50	30	150	500	30	10	.80		S1	D07		
▼	1N691	70	400 1.0	.25	60	50	60	150	500	50	10	.80	N	S1	D07		

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♦ — PREFERRED TYPE — MIL-STD 701

14. SWITCHING DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current	MAX. REVERSE CURRENT				Recovery Characteristics				CAP.	DESCRIPTION				
				@ 25°C		I _b (μA)	E _b (volts)	T (°C)	Test Conditions	I _f (mA)	E _b (volts)	Zrec (kohms)	@ Time t (μsec)		STAT US	MAT.	DWG. No.
				I _f (mA)	E _f (volts)												
▼	1N692	100	400	1.0	.25	90	50	90	150	500	50	10	.80		S1	D07	
	1N693	130	400	1.0	.25	120	50	120	150	500	50	10	.80		S1	D07	
	1N695	20	100	1.0	2.0	10	20	10	70	5.0	20	25	.30		GeØ		
◆	1N695A	20	100	1.0	2.0	10	20	10	70	Δ			.30		Ge	D07	
	USN1N696	40	50	1.0	5.0	40	30	20	150A	10	10ma	5.0mu	4.0	N	S1	D06	
	1N697	120	250	1.0	1.0	50	800	50	150	100#	100	.10		N	S1		
◆	USN1N697	120†	400	1.2	2.0	100	4000	100	150A	100	100ma	.10		25	N	S1	A1
	1N699	80§	100	1.0			250	75	70	5.0Ø	40	50	.30		Get	D07	
	1N760	60	40	1.0	500	50	200	10	75	26		.10			GeØ	D07	
◆	1N770	20	15	.50			40	10	40	5.0	10	15	.35		Get	D07	
	1N777	60*	100	1.0			125	50	55A	30Ø	40	50	.50		GeØ	D07	
	1N778	100	10	1.0	.50	100	30	100	125	5.0	40	400	.30		S1	A21	
◆	1N778M	125	10	1.0	.50	100	30	100	125	5.0	40	400	.30		S1	A2a	
	1N779	175	10	1.0	.50	175	30	175	125	5.0	40	400	.30		S1	A21	
	1N779M	200	10	1.0	.50	175	30	175	125	5.0	40	400	.30		S1	A2a	
◆	1N788	60	100	1.0	500	50	200	10	75	26	26		.20		GeØ	D07	
	1N789	24*	10	1.0	1.0	20	30	20	100A	5.0Ø	20	200	.50		S1Δ	A46	
	1N789M	30	10	1.0	1.0	20	30	20	100	5.0	40	200	.50		S1	A2a	
◆	1N790	30†	10	1.0	5.0	20	30	20	100	5.0Ø	40	200	.25		S1	A46	
	1N790M	30	10	1.0	5.0	20	30	20	100	5.0	40	200	.25		S1	A2a	
	1N791	24*	50	1.0	5.0	20	30	20	100A	5.0Ø	20	200	.50		S1Δ	A46	
◆	1N792	24*	100	1.0	5.0	20	30	20	100A	5.0Ø	20	100	.50		S1Δ	A46	
	1N792M	30	100	1.0	5.0	20	30	20	100	5.0	40	100	.50		S1	A2a	
	1N796	60†	100	1.0	5.0	50	30	50	100	5.0Ø	40	100	.50		S1	A46	
◆	1N796M	60	100	1.0	5.0	50	30	50	100	5.0	40	100	.50		S1	A2a	
	1N798	120†	10	1.0	5.0	100	30	100	100	5.0Ø	40	200	.25		S1	A46	
	1N798M	120	10	1.0	5.0	100	30	100	100	5.0	40	200	.25		S1	A2a	
◆	1N801	125*	10	1.0	1.0	125	30	125	100A	5.0Ø	40	200	.50		S1Δ	A46	
	1N801M	150	10	1.0	1.0	125	30	125	100	5.0	40	200	.50		S1	A2a	
	1N802M	150	50	1.0	5.0	125	50	125	100	5.0	40	200	.50		S1	A2a	
◆	1N803	200†	10	1.0	5.0	175	50	175	100	5.0Ø	40	200	.50		S1	A46	
	1N803M	200	10	1.0	5.0	175	50	175	100	5.0	40	200	.50		S1	A2a	
	1N804	175*	50	1.0	10	175	50	175	100A	5.0Ø	40	200	.50		S1Δ	A46	
◆	1N804M	200	50	1.0	10	175	50	175	100	5.0	40	200	.50		S1	A2a	
	1N806	110	4.0	1.0	.50	100	50	100	125	5.0Ø	40	.30			S1		
	1N806M	110	4.0	1.0	.50	100	50	100	100	5.0	40	400	.30		S1	A2a	
◆	1N807	200	4.0	1.0	.50	175	50	175	125	5.0Ø	40	.30			S1		
	1N807M	200	4.0	1.0	.50	175	50	175	100	5.0	40	400	.30		S1	A2a	
	1N809	200	100	1.0	1.0	200	50	200	125	30Δ	35	.30			S1		
◆	1N809M	220	100	1.0	1.0	200	50	200	100	30	35	100	.30		S1	A2a	
	1N811M	30	1.0	1.0	20	15	10	10	125	5.0	10	20	.25		S1	A2a	
	1N812M	40	2.0	1.0	20	20	10	10	125	5.0	10	20	.25		S1	A2a	
◆	1N813	15	5.0	1.0	.50	5.0	10	5.0	125	5.0Ø	10		.25		S1	D07	
	1N813M	20	5.0	1.0	20	10	10	5.0	125	5.0	10	20	.25		S1	A2a	
	1N814	40	2.0	1.0	.10	20	10	20	125	5.0Ø	10		.25		S1	D07	
◆	1N814M	50	2.0	1.0	20	30	10	10	125	5.0	10	20	.25		S1	A2a	
	1N818	70	30	1.5	.25	60	20	60	100	20	40	80	.50		S1	A21	
	1N835	30	100	1.0			200	30	75	5.0Ø	10	50	.50	1.0	Ge		
◆	1N837A	100	150	1.0	.10	80	15	80	100	30Δ	35	400	.30		S1		
	1N837AM	100	150	1.0	.10	80	15	80	100	30	35	400	.30		S1	A2a	
	1N837M	100	150	1.0	.10	75	15	75	100	30	35	400	.50		S1	A2a	
◆	1N838	150	150	1.0						30	35	400	.50		S1	A21	
	1N838M	150	150	1.0	.10	125	15	125	100	30	35	400	.50		S1	A2a	
	1N839	200	150	1.0						30	35	400	.50		S1	A21	
◆	1N839M	200	150	1.0	.10	175	15	175	100	30	35	400	.50		S1	A2a	
	1N840	50	150	1.0	.10	40	15	40	100	30Δ	35	400	.30		S1		
	1N840M	50	150	1.0	.10	40	15	40	100	30	35	400	.30		S1	A2a	
◆	1N841	150	150	1.0	.10	120	15	120	100	30Δ	35	400	.30		S1		
	1N841M	150	150	1.0	.10	120	15	120	100	30	35	400	.30		S1	A2a	
	1N842	200	150	1.0						30	35	400	.30		S1		
◆	1N842M	200	150	1.0	.10	160	15	160	100	30	35	400	.30		S1	A2a	
	1N843	250	150	1.0	.10	200	15	200	100	30Δ	35	400	.30		S1		
	1N843M	250	150	1.0	.10	200	15	200	100	30	35	400	.30		S1	A2a	

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14. SWITCHING DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current	MAX. REVERSE CURRENT				Recovery Characteristics				CAP.	DESCRIPTION					
				@ 25°C		I _b (μA)	E _b (volts)	@ E _b (volts)	T (°C)	Test Conditions	FWD. I _f (mA)	REV. to E _b (volts)	Zrec (kohms)	@ Time t (μsec)	STATUS	MAT.	DWG. No.	
	1N844	100	200	1.0	.10	80	15	80	100	30Δ	35	400	.50		S1	A21		
	1N844M	100	200	1.0	.10	80	15	80	100	30	35	400	.50		S1	A2a		
	1N845	200	200	1.0	.10	160	15	160	100	30Δ	35	400	.50		S1	A21		
	1N845M	200	200	1.0	.10	160	15	160	100	30	35	400	.50		S1	A2a		
	1N893	240	50	1.0	.10	200	25	200	200	5.0Δ	40	80	.30		S1	A2a		
	1N893M	240	50	1.0	.10	200	25	200	150	5.0	40	80	.30		S1	A2a		
	1N903	40	10	1.0	.10	40	10	40	100	10	5.0	5.0	4m		S1	A1		
	1N903A	50	20	1.0	.10	40	10	40	100	10	5.0	5.0	4m		S1#	A22		
	1N903AM	50	20	1.0	.10	40	10	40	100	10	5.0	5.0	4.0m	1.0	S1	A2a		
	1N903M	50	10	1.0	.10	40	10	40	100	10	5.0	5.0	4.0m	1.0	S1	A2a		
	1N904	30	10	1.0	.10	30	10	30	100	10	5.0	5.0	4m		S1	A1		
	1N904M	40	10	1.0	.10	30	10	30	100	10	5.0	5.0	4.0m	1.0	S1	A2a		
	1N905	20	10	1.1	.10	20	10	20	100	10	5.0	5.0	4m		S1	A1		
	1N905A	30	20	1.0	.10	20	10	20	100	10	5.0	5.0	.004		S1#			
	1N905AM	30	20	1.0	.10	20	10	20	100	10	5.0	5.0	4.0m	1.0	S1	A2a		
	1N905M	30	10	1.0	.10	20	10	20	100	10	5.0	5.0	4.0m	1.0	S1	A2a		
	1N906	20	10	1.0	.10	20	10	20	100	10	5.0	5.0	4m		S1	A1		
	1N906A	30	20	1.0	.10	20	10	20	100	10	5.0	5.0	.004		S1#			
	1N906AM	30	20	1.0	.10	20	10	20	100	10	5.0	5.0	4.0m	2.5	S1	A2a		
	1N906M	30	10	1.0	.10	20	10	20	100	10	5.0	5.0	4.0m	2.5	S1	A2a		
	1N907	30	10	1.0	.10	30	10	30	100	10	5.0	5.0	4m		S1	A1		
	1N907M	40	10	1.0	.10	30	10	30	100	10	5.0	5.0	4.0m	2.5	S1	A2a		
	1N908	40	10	1.0	.10	40	10	40	100	10	5.0	5.0	4m		S1	A1		
	1N908A	50	20	1.0	.10	40	10	40	100	10	5.0	5.0	4m		S1#	A22		
	1N908AM	50	20	1.0	.10	40	10	40	100	10	5.0	5.0	4.0m	2.5	S1	A2a		
	1N908M	50	10	1.0	.10	40	10	40	100	10	5.0	5.0	4.0m	2.5	S1	A2a		
	1N914	75	10	1.0	.025	20	50	20	150	10	6.0	6.0	4m	N	S1	D07		
▼♦	USN1N914	75	10	1.0	.025	75	100	75	150A	10	10ma	.001	4.0	N	S1Δ	D07		
	1N914A	100	20	1.0	.025	20	50	20	150	10	6.0	6.0	4m		S1#	A22		
	1N914AM	100	20	1.0	.025	20	50	20	150	10	6.0	6.0	4.0m	4.0	S1	A2a		
▼	1N914M	75	10	1.0	.025	20	50	20	150	10	6.0	6.0	4m		S1	A2		
▼	1N916	75	10	1.0	.025	20	50	20	150	10	6.0	6.0	4m		S1	D07		
▼	1N916A	100	20	1.0	.025	20	50	20	150	10	6.0	6.0	4m		S1#			
	1N916AM	100	20	1.0	.025	20	50	20	150	10	6.0	6.0	4.0m	2.0	S1	A2a		
	1N916B	75	20	1.0	.025	20	50	20	150	10	6.0	6.0	4m		S1	A46		
	1N916M	100	10	1.0	.025	20	50	20	150	10	6.0	6.0	4.0m	2.0	S1	A2a		
	1N917	30	10	1.0	.05	10	25	20	100				3m		S1			
	1N920	36	500	1.0	.25	30	50	30	150	500	30	10	.30		S1	D07		
	1N921	70	500	1.0	.25	60	50	60	150	500	50	10	.30		S1	D07		
	1N922	100	500	1.0	.25	90	50	90	150	500	50	10	.30		S1	D07		
	1N923	130	500	1.0	.25	120	50	120	150	500	50	10	.30		S1	D07		
	1N925	40	5.0	1.0	1.0	10	20	10	100	5.0Δ	10	20	.15		S1	A46		
	1N926	40	5.0	1.0	.10	10	10	10	100	5.0Δ	10	20	.15		S1	A46		
	1N928	120	10	1.0	.10	10	10	10	100	5.0Δ	10	20	.15		S1	A46		
	1N928M	120	10	1.0	.10	10	10	10	100	5.0Δ	10	20	.15		S1	A2a		
▼	1N933	80	4.0	1.0	10	10	75	10	75A	5.0Δ	40	80	.40		N	GeΔ	D07	
▼	JAN1N933	80	4.0	1.0	80	80	250	50	75A	5.0	40	2.0	.40	1.0	M	Ge	D07	
	1N994	8.0	10	1.0	30	6.0				10	6.0		2m		GeΔ			
	1N995	15	10	.50	10	6.0				10	6.0		6m		GeΔ			
	1N996	25	50	25									.30		Ge			
	1N1093	15	5.0	.40	25	5.0	75	15	55	5.0	5.0	20	.50		Ge			
	1N2801	20	100	.50	2.0	10	400	10	100	100#	100		.50		R	Ge		
	1N3062	50#	20	1.0	.10	50	100	50	150	10	6.0	6.0	.002	2.0		S1		
	1N3062M	50#	20	1.0	.10	50	100	50	150	10	6.0	6.0	.002	2.0		S1	A2a	
▼	1N3064	50#	10	1.0	.10	50	100	50	150	10	1.0	6.0	.004	2.0		S1	A22	
♦	USN1N3064	50	1.0	10	.10	50	100	50	150A	10	10ma		4n	2.0	N	S1	A22	
	1N3064M	50#	10	1.0	.10	50	100	50	150	10	1.0	6.0	.004	2.0		S1	A2a	
	1N3066	50#	10	1.0	.10	50	100	50	150	10	6.0	6.0	.002	2.0		S1		
	1N3066M	50#	10	1.0	.10	50	100	50	150	10	6.0	6.0	.002	2.0		S1	A2a	
	1N3067	20#	5.0	1.0	.10	20	100	20	150	10	6.0	6.0	.002	4.0		S1		
	1N3068	20#	5.0	1.0	.10	20	100	20	150	30	3.0	3.0	.05	6.0		S1		
	1N3070	175*	100	1.0	.10	175	100	175	150	30	3.0	3.0	.05	5.0	N	S1	A22	
▼♦	USN1N3070	175	100	1.0	.10	175	100	175	150	30	3.0	3.0	.05	6.0	N	S1	A22	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

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* — PREFERRED TYPE — MIL-STD 701

14. SWITCHING DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT			Recovery Characteristics			CAP.	DESCRIPTION					
			@ 25°C		I _b (μA)	E _b (volts)	@ E _b (volts)	T (°C)	Test FWD. to REV. I _f (ma)	Zrec (kohms)	@ Time t (μsec)						
			I _f (ma)	@ E _f (volts)													
▼	1N3123	40†	10	1.0					10	5.0	4m	S1	D07				
	1N3146	20	50	1.0	100	20			1.6	3.0	.005	GeØ					
	1N3206	85	10	1.0	.025	20	50	20	150	10	6.0	6.0	A	S1 A2			
	1N3207	50	150	1.0	.05	20	10	20	100	10	6.0	6.0	S1	A2			
	1N3257	100	30	1.0	.025	20	25	50	150	10	6.0	6.0	S1	A22			
	1N3298	70	500	.90	.20	60	50	60	150	500	30	10	20	S1 A46			
	1N3467	15*	20	.50	15	15				10	6.0	1.0	R	Ge D07			
	1N3471	40	10	1.0	.02	40	5.0	40	100C	10	10ma	.002	SiΔ	M58			
	1N3484	75	10	.35	1.0	10	16	10	60				Ge	D07			
	1N3485	150	10	1.0	.025	150	10	150	150	30	6.0	3.0	2.0	S1			
	1N3567	60	100	1.0	.05	50	25	50	150	10	6.0	6.0	S1	A2			
	1N3568	80	20	1.0	1.0	75	20	50	150	10	6.0		2.0 T	S1 A94			
	1N3593	40	10	1.0	.025	10	50	10	150	10	6.0	6.0		S1 A110			
	1N3653	100	400	1.0	.025	75	25	75	100	5.0	6.5	6.5		S1			
	1N3668	30	5.0	1.0	1.0	20	10	15	125	5.0Δ	10	.15	1.0Δ	S1 D07			
	1N3773	25	15	.50	4.0	3.0	20	20	25	2.0	.20ma	.04	T	Ge D07			
	MC002	150	100	1.0	.10	150	100	150	150	10	6.0	1ma	T	SiΔ A2a			
	G2	60	5.0	1.0	50	20	125	50	25	30Δ	35	200	Ge				
	GMD2	80	5.0	.40	5.0	10				5.0	10	3ma	1.0Δ	Ge# A2			
	GMD5	20	10	.50	10	5.0				10	10ma	4n	2.0Δ	Ge# A2			
▼	S6	10†	4.0	1.0	2.5	5.0				5.0	10	1.9M	.50	S1			
▼	RE7	30†	2.0	1.0	20	30	10	20	125	5.0	10	1.0	.25	S1 A1			
	Q7-050	6.0	10	6.0	30	6.0				10	6.0	3.0	.4n	Ge			
	Q7-100	6.0	10	6.0	30	6.0				10	6.0	3.0	.001	GeØ			
	Q7-250	6.0	10	6.0	30	6.0				10	6.0	3.0	.002	GeØ			
▼	8-7453	100†	4.0	1.5	1.0	75	30	75	100	5.0	40	400	1.0	S1			
	T16	60*	40	1.0						5.0	40	80	.30	GeØ			
▼	16A27	180	5.0	1.5	.25	175	50	175	100	5.0Δ	40		1.0	S1			
	G18	60	7.5	1.0	20	10	120	60	25	5.0Δ	40	400	.20	Ge			
	Q20-500	20	50	1.0	100	20				1.6	3.0		8m	GeØ			
	Q20-750	20	50	1.0	100	20				1.6	3.0		12m	GeØ			
	Q20-950	20	50	1.0	100	20				1.6	3.0		15m	GeØ			
	Q30-500	30	50	1.0	100	30				1.6	3.0		8m	GeØ			
	Q30-750	30	50	1.0	100	30				1.6	3.0		12m	GeØ			
	Q30-950	30	50	1.0	100	30				1.6	3.0		15m	GeØ			
	Q40-500	40	50	1.0	100	50				1.6	3.0		8m	GeØ			
	Q40-750	40	50	1.0	100	50				1.6	3.0		12m	GeØ			
	Q40-950	40	50	1.0	100	50				1.6	3.0		15m	GeØ			
	Q50-500	50	50	1.0	100	50				1.6	3.0		8m	GeØ			
	Q50-750	50	50	1.0	100	50				1.6	3.0		12m	GeØ			
	Q50-950	50	50	1.0	100	50				1.6	3.0		15m	GeØ			
	Q60-500	60	50	1.0	100	60				1.6	3.0		8m	GeØ			
	Q60-750	60	50	1.0	100	60				1.6	3.0		12m	GeØ			
	Q60-950	60	50	1.0	100	60				1.6	3.0		15m	GeØ			
	FSP55	150	100	1.0	.10	150	100	150	150	30	150	.05	5.0Δ T	S1# M59			
	OA86	60*	5.0	1.0	30	60	75	60	60	30	35	50	.50	GeØ A7			
	Q90-500	90	50	1.0						10	6.0	3.0	.009	GeØ			
	FD100	50	10	1.0	.10	50	100	50	150	10	6.0	6.0	2m	S1# A22			
	FD101	50	10	1.0	.10	50	100	50	150	10	6.0	6.0	2m	S1# A22			
	G107	60	10	1.0	.50	50				5.0Δ	40	400	.10	Ge			
	G108	60	10	1.0	100	50				5.0Δ	40	400	.10	Ge			
	PD109	200†	10	1.0	.025	10	5.0	10	100				200	.30			
	Q110-500	110	50	1.0						10	6.0	3.0	.01	GeØ			
	PD124	50	6.0	1.0	5.0	50	25	50	100	30Δ	35	400	.30	S1 A2			
	G127	60	30	1.0	20	10	100	50	25	5.0Δ	40	200	.10	Ge			
	G128	30	100	1.0	2.0	.20	40	20	25	4.0	10	20	.02	Ge			
	FD192	20	10	1.0	.10	20	100	20	150	10	6.0	.10	2.0m	S1# A22			
▼	FD200	150	100	1.0	.10	150	100	150	150	30	5.0	5.0	.05	S1# A22			
	SP200	200†	100	1.0	.10	150	100	50	100A	5.0Δ	40	100	.50	S1# A22			
▼	202-325	80*	10	1.0	1.0	10	100	50	100	30	30ma	1ma	.05	A S1Δ A1			
	CID206	75	10	.50	50	60	10	5.0	25	15Δ	15	150	.50	GeØ A61			
	CID207	50	10	.50	40	40	10	5.0	25	15Δ	15	150	.30	1.0Δ GeØ A61			
▼	SG211	70	5.0	1.5	.25	60	20	60	100	5.0Δ	40	.30	S1				

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14. SWITCHING DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current	MAX. REVERSE CURRENT				Recovery Characteristics				CAP.	DESCRIPTION						
				@ 25°C	I _b (μA)	@ E _b (volts)	I _b (μA)	E _b (volts)	T (°C)	Test Conditions	FWD. I _f to E _b (mA)	Zrec (kohms)	@ Time t (μsec)	STATUS	MAT.	DWG. No.			
▼	SG212	130	5.0 1.5	.25	125	20	125	100	5.0Δ	40	.30		S1						
	SG213	180	5.0 1.5	.25	175	50	175	100	5.0Δ	40	.30		S1						
	FD217	175	100 1.5	.25	175	50	175	100	20	40	80	1.0		S1#	A22				
	SG217	130	5.0 1.5	.25	125	20	125	100	5.0Δ	40	1.0		S1						
	SG218	180	5.0* 1.5	.25	175	50	175	100	5.0Δ	40	1.0		S1						
	FD221	175	100 1.0	.50	175	10	175	100	30	35	40	1.0		S1#	A22				
▼	SG221	70	30 1.5	.25	60	20	60	100	20Δ	40	.50		S1						
	FD223	175	6.0 1.5	1.0	175	30	175	100	30	35	400	1.0		S1#	A22				
▼	SG223	180	30 1.5	.25	175	50	175	100	20Δ	40	.50		S1						
▼	SG227	130	100 1.5	.25	125	20	125	100	20Δ	40	1.0		S1						
	FD245	75	5.0 1.0	5.0	75	50	75	100	5.0	40	100	.30		S1#	A22				
	FD247	125	4.0 1.0	20	125	100	125	100	5.0	40	100	.30		S1#	A22				
▼	248-21957-25	175	5.0 1.5	3.0	175	150	175	150	30	35	2.0	.30		S1	A1				
▼	0251	30	20 .50			75	30	55	20	10	200	1.0	10	Ge	A97				
	TI251	30	5.0 1.0	.10	10	10	10	125	5.0	35	70	.15		S1	A110				
	TI252	50	6.0 1.0	5.0	50	25	20	100	30	35	400	.30		S1	A110				
	FD252	60	5.0 1.5	.25	60	20	60	100	5.0	40	400	.30		S1#	A22				
	FD253	125	5.0 1.5	.25	125	20	125	100	5.0	40	400	.30		S1#	A22				
	TI253	100	6.0 1.0	5.0	100	50	100	100	30	35	400	.30		S1	A110				
	FD254	175	5.0 1.5	.25	175	50	175	100	5.0	40	400	.30		S1#	A22				
	FD256	30	100 1.5	.25	30	20	30	100	20	40	80	.50		S1#	A22				
	PD311	60	10 1.0	.10	50	100	50	150	10	6.0		4m		S1Δ	A22				
▼	334-CO-46-H01	225	100 1.1	.25	225	50	225	150	2.0	20									
▼	334CO47-H01	225	100 1.1	.25	225	50	225	150	2.0	20									
▼	353-3083-00	150†	100 1.0	.10	150	100	150	150	30	30ma	150	.050	5.0	S1					
	DR362	50*	100 1.0	.50	20				40Δ	10	20	.30		Ge	Ø				
	DR401	75*	20 .50						125	50	55	30Ø	35	50	.50				
	DR402	85*	20 .50						250	50	55	30Ø	35	50	.50				
	DR403	75*	20 .50									5.0Ø	40	80	.30				
	DR404	75*	20 .50									5.0Ø	40	50	.30				
	DR407	75*	5.0 1.0									5.0Ø	10	50	.50				
	DR482	60*	100 1.0									25Δ	35	43	.40				
	DR498	30*	10 .36									5.0Δ	20	40	.30				
	DR521	120*	120 1.0	.05	100	25	100	100	5.0Δ	40	80	.30		S1					
▼	S555G	.50	10 .50							10	6.0	2.0	.006		Ge	D07			
▼	S570G	8.0	10 1.0							10	6.0	2.0	.002		Ge	D07			
▼	576R209H02	70	400 1.0	.25	60	50	60	150	500	50	10	.80		N	S1	D07			
▼	576R374H01	200	100 1.1						100	200	125	30	.30	20	S1	A38d			
▼	S595G	60	5.0 1.0						25	10	55	5.0#	40	400	2.0		Ge	D07	
▼	CTP605	30	30						100	10	55	5.0#	6.0		.30		Ge	A1	
	AM619	200†	200 1.0	.10	160	100	160	150	40	4.0	1.0	.10		4.0			S1Δ	D07	
	AM619A	200†	200 1.0	.10	160	100	160	150	40	4.0	1.0	.10		2.0			S1Δ	D07	
	AM624	300†	100 1.0	.10	240	100	240	150	40	4.0	1.0	.10		4.0			S1Δ	D07	
	AM624A	300†	100 1.0	.10	240	100	240	150	40	4.0	1.0	.10		2.0			S1Δ	D07	
	AM631	200†	50 1.0	.10	160	100	160	150	40	4.0	1.0	.10		4.0			S1Δ	D07	
	AM631A	200†	50 1.0	.10	160	100	160	150	40	4.0	1.0	.10		2.0			S1Δ	D07	
	DR674	150*	100 1.0	.50	125	10	125	100	30Ø	35	400	1.0			S1				
	AM701	200†	200 1.0	.10	160	100	160	150	30	3.0	3.0	.05		2.0			S1Δ	D07	
	AM701A	200†	200 1.0	.10	160	100	160	150	30	3.0	3.0	.03		2.0			S1Δ	D07	
	AM703	300†	100 1.0	.10	240	100	240	150	30	3.0	3.0	.05		2.0			S1Δ	D07	
	AM703A	300†	100 1.0	.10	240	100	240	150	30	3.0	3.0	.03		2.0			S1Δ	D07	
	AM704	200†	100 1.0	.10	160	100	160	150	30	3.0	3.0	.05		2.0			S1Δ	D07	
	AM704A	200†	100 1.0	.10	160	100	160	150	30	3.0	3.0	.03		2.0			S1Δ	D07	
	AM707	200†	50 1.0	.10	160	100	160	150	30	3.0	3.0	.05		2.0			S1Δ	D07	
	AM709	300†	10 1.0	.10	240	100	240	150	30	3.0	3.0	.05		2.0			S1Δ	D07	
	AM709A	300†	10 1.0	.10	240	100	240	150	30	3.0	3.0	.03		2.0			S1Δ	D07	
	AM714	200†	200 1.0	.10	160	100	160	150	30	3.0	3.0	.05		5.0			S1Δ	D07	
	AM714A	200†	200 1.0	.10	160	100	160	150	30	3.0	3.0	.03		5.0			S1Δ	D07	
	AM716	300†	100 1.0	.10	240	100	240	150	30	3.0	3.0	.05		5.0			S1Δ	D07	

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14. SWITCHING DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current	MAX. REVERSE CURRENT			Recovery Characteristics				CAP.	DESCRIPTION			
				@ 25°C		I _b (μA)	E _b (volts)	T (°C)	Test Conditions		Zrec (kohms)	@ Time t (μsec)	STATUS	MAT.	DWG. No.
				I _f (mA)	E _f (volts)				FWD.	REV.					
	AM716A	300†	100 1.0	.10	240	100	240	150	30	3.0	3.0	.03	5.0	S1Δ	D07
	AM717	200†	100 1.0	.10	160	100	160	150	30	3.0	3.0	.05	5.0	S1Δ	D07
	AM717A	200†	100 1.0	.10	160	100	160	150	30	3.0	3.0	.03	5.0	S1Δ	D07
▼	PS721	50*	5.0 1.0	5.0	45	50	45	100A	5.0Δ	40	100	.30		S1Δ	
	AM722	300†	10 1.0	.10	240	100	240	150	30	3.0	3.0	.05	5.0	S1Δ	D07
	PS722	85*	5.0 1.0	5.0	75	50	75	100A	5.0Δ	40	100	.30		S1	
▼	AM722A	300†	10 1.0	.10	240	100	240	150	30	3.0	3.0	.03	5.0	S1Δ	D07
▼	PS731	100	5.0 1.0	25	100				5.0Δ	40	100	1.0	10uuuf	S1Δ	
▼	PS732	50	5.0 1.0	10	50				5.0Δ	40	100	1.0	10uuuf	S1Δ	
▼□	764-1000-1 100	100	1.1	.05	50	25	50	150	5.0	40	80	.30		S1	D07
▼□	764-1000-8 50	10	1.0	.10	10				3.0	3ma	3.0	.20		S1	D07
▼□	CTP808	50	50Ø 1.0	50	50	30	10	55	20Δ	10	200	2.0		Ge	A1
▼□	CTP810	30	50Ø 1.0	15	20	45	10	55	20Δ	10	200	1.0		Ge	A1
	DR833	200*	5.0 1.5	.25	175	50	175	100	5.0Δ	40	400	.30		Si	
	CGD1093	10	10 .65	12	6.0	100	10	25	10	1.0	.90	.003	2.0Δ	GeØ	A21
▼	CD1214A	100	10 1.0	1.0	80	30	80	100	5.0	40	100	.30		S1	A22a
	D1248	20	100 1.0	4.0	2.0	40	20	25	4.0	10	20	.10		T	GeØ A21
	ED1806	30	1.5 1.0			50	10	25	30	35	50	.50		Ge	A22
	D1820	20	10 1.3									2.5m		GeØ	
	ED1862	20	2.0 .35	50	6.0	40	10	40	6.0	7.0	50	.25		Ge	
	ED1869	25	15 .50	15	10	40	10	40	5.0	10	15	.35		GeØ	A22
	ED1872	90	5.0 1.0	25	10	125	50		30Ø	35	50	.30		Ge	
	ED2013	20*	20 .50			25	10	50	20	.10	100	.10		D	Ge
	ED2014	20*	20 .50			25	10	50	20	.10	100	.05		D	Ge
	ED2015	30†	1.0 .30	10	10				6.0Δ	7.0	50	80m		Ge†	
	ED2016	30†	1.0 .30	10	10				6.0Δ	7.0	50	.12		Ge†	
	ED2017	30†	1.0 .30	10	10				6.0Δ	7.0	50	.12		Ge†	
	ED2018	30†	1.0 .30	10	10				6.0Δ	7.0	50	.20		Ge†	
	ED2051	30	20 1.0	10	5.0				6.0Δ	7.0	.15			Ge	A22
	ED2066	45	5.0 1.0	10	10	40	3.0	65	5.0	10	100	.35		Ge†	A22
	CSD2310	130	5.0 1.5	.25	125	20	125	100	5.0Δ	40	400	1.0		S1	A21
	CSD2313	130	5.0 1.5	.25	125	20	125	100	5.0Δ	40	400	.30		S1	A21
	CSD2314	180	5.0 1.5	.25	175	50	175	100	5.0Δ	40	400	.30		S1	A21
▼	CSD2317	180	5.0 1.5	.25	175	50	175	100	5.0Δ	40	80	1.0		S1	A21
▼	CSD2591	50	10 1.0	50	50	30	10	55	20	10	200	2.0	10	Ge	
▼	CSD2592	30	100 1.0	.50	25	.50	25	25	20	5.0	2.0	.50		S1	
▼	CSD2593	50	10 1.0	50	50	30	10	55	20	10	200	2.0	10	Ge	A97
▼	CSD2639	30	10 1.0	100	30				5.0	10	20	.30	10	S1	
▼	CSD2651	30	10 1.0	.50	20	100	30	25	5.0	10	2.0	.30	10	S1	
▼	HD2688	40	5.0 .40			125	20	70	5.0	20	400	1.0		GeØ	
	HD2764	80	50 1.0	50	50				30Ø	35	200	1.0		GeØ	
	HD2765	80	50 1.0	100	50				30Ø	35	200	1.0		GeØ	
	ED2854	100	6.0 1.5	1.0	75	30	75	100	30	35	400	1.0		S1	
	ED2855	200	6.0 1.5	1.0	175	30	175	100	30	35	400	1.0		S1	
	ED2952	130	5.0 1.5	.25	125	20	125	100	5.0	40	100	.30		S1	
	HD2968	6.0†	100 1.0	40	2.5				10	6.0	1.0	4m		Ge	
	MA4307	100†	30 1.0	.05	75	50	75	150	10	5.0		4m		S1	A2b
	MA4308	100†	30 1.0	.05	75	50	75	150	10	5.0		4m		S1	A2b
	MA4446	.75	500 1.0	.10	50	100	50	150	500	50		.150	8.0	S1	D07
	HD5000	20†	5.0 1.0	.20	5.0				10	6.0		.5m		S1	
	HD5001	20†	5.0 1.0	1.0	5.0				10	6.0		.5m		S1	
	HD5002	20†	5.0 1.0	.20	5.0				10	6.0		.5m		S1	
	HD5003	20†	5.0 1.0	1.0	5.0				10	6.0		.5m		S1	
▼	HD5004	15†	5.0 1.0	1.0	5.0				10	6.0		.5m		S1	
	CD6111	75	10 1.0	.10	50	100	50	150	10	6.0	6.0	2m		S1	A23
▼□	HD6551	150	5.0 1.5	10	150	300	150	100	30	35	400	1.0		S1	
▼□	HD6557	150	5.0 1.5	10	150	300	150	100	30	35	400	1.0		S1	
▼□	HD6565	15	4.0 1.5			10	15	90	20	15	400	1.0	2.5		
▼□	HD6573	150	6.0 1.5	1.0	125	30	125	100	30	35	400	1.0		S1Ø	
▼□	HD6614	30	4.0 1.5			5.0	30	75	30	35	400	.90		S1	
▼□	HD6616	125	4.0 1.5	20	125	100	125	100	30	35	400	.80	2.5		
▼	HD6621	125	4.0 1.5			50	125	100	30	35	400	.50	10		
	HD6648	100	6.0 1.5	1.0	75	30	75	100	30	35	400	1.0		S1Ø	A21

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

* — PREFERRED TYPE — MIL-STD 701

14. SWITCHING DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current I_f (ma) E_f (volts)	MAX. REVERSE CURRENT						Recovery Characteristics				CAP.	DESCRIPTION		
				@ 25°C			I_b (μ A)	E_b (volts)	T (°C)	Test Conditions FWD. to REV. I_f (ma) to E_b (volts)	Zrec (kohms)	@ Time t (μ sec)	S T A T U S	M A T . .	D W G . .		
					I_b (μ A)	E_b (volts)											
▼	HD6649	200	6.0 1.5	1.0	175	30	175	100	30	35	400	1.0			S1Ø	A21	
	HD6677	10	6.0 1.0	.50	10	100	20	25	5.0	10	100	.30			S1Δ		
	PS7267	40	5.0 1.0	1.0	10	20	10	100	5.0Δ	10	20	.15					
	PS7270	120	5.0 1.0	1.0	10	25	50	100	5.0Δ	10	20	.15			S1Δ		
	CA69001#	50	1.0 5m	.10	25					10	50				S1		
	CA69001A#	100	1.0 5m	.10	50					10	100				S1		
	CA69002#	50	1.0 .01	.10	25					10	50				S1		
	CA69002A#	100	1.0 .01	.10	50					10	100				S1		
▼	Z97106	40	5.0 .40			125	20	71	5.0#	20	50	.30					
▼□	A100271	45	5.0 1.0	10	10	40	3.0	65	5.0	10	1.0	.35			Ge	A23a	
▼	120001-004	50	6.0 1.0	5.0	50	25	50	100				.30			S1	A1	
▼	617893-1	100	4.0 1.5	1.0	75	30	75	100	30	35	400	1.0			S1Ø	A21	
▼	L682034-2	175†	100 1.0	.10	175	100	175	150	30	3.0	3.0	.05	5.0		S1#	A21	
▼□	720603-3	20†	15 .50	15	10	40	-10	40	5.0Ø	10	15	.35			Ge	D07	
▼	720603-4	20	10 1.3									2.5m			GeØ		
▼□	720608-4	50#	10 1.0	.10	50					10	10ma				S1Δ	A1	
▼□	720608-6	70†	400 1.0	.25	60					500	50	10	.80		S1	D07	
▼	720699-88	30	5.0 .50	50	20	20	10	55	5.0Δ	10	50	.50	.50Δ		Ge	A22	
▼	907801	20	1.0 .30	20	20	4.0	3.0	25	25	15	40	.50	.60	N	Ge	A23a	
▼	907806	70	200 1.0	1.0	70					300	10	2.0	1.0	20	N	Si	A23a
▼□	908290	30	10 .50	4.0	3.0	20	30	25	25	15	40	.50		N	Ge	A23a	
▼□	925253-1	20	50 .60	60	20	100	10	70	30	20	2.5	1.0			Ge	A1	
▼□	925253-2	30	2.0 .50			5.0	3.0	45	5.0	10	100	.40			Ge	A1	
▼□	1391107	100†	6.0 1.0	5.0	100	50	100	100				.30	3.0	S1	D014		
▼□	1979931	30†	.50 .70			10	10	100	3.0	5.0	1.4	.85	10.0	S1	A1		
▼□	2167591	30	4.0 1.5	1.0	20	30	20	100	30	35	400	1.0		S1Ø	A21		
▼□	7901287-1	30†	2.0 1.0	.10	10	10	125	5.0	10	20	.15			S1	A1		
▼□	8935922-1	20	20 .49			30	10	50A					.10	1.5	Ge	D014	
▼□	8935924-1	20	20 .47			25	10	50A					.05	1.5		D014	
▼□	8950093-2	20†	100 1.0	2.0	10	20	10	70A	5.0	20	1.0	.30		Ge	A1		

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

15. MICROWAVE MIXER DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Band	TEST FREQ. (Mc)	FREQUENCY RANGE (Mc)	MAX. CONV. LOSS (db)	MAX. NOISE RATIO (times)	MAX. VSWR	I. F. IMPEDANCE RANGE (ohms)	MAX. Receiver NOISE FIGURE (db)	DESCRIPTION		
										STATUS	MAT.	DWG. No.
▼	1N21	S	3000	900-3000	8.5	4.0	200- 800	200- 800	200- 800	M	S1	
▼	1N21A	S	3000		7.5	3.0					S1	
▼	1N21B	S	3060		6.5	2.0					S1	P3Ø
▼	JAN1N21B	S	3060	3060	6.5	2.0	325- 475	325- 475	325- 475	M	S1	P3
▼	1N21C	S	3060		5.5	1.5					S1	P3Ø
▼	JAN1N21C	S	3060		5.5	1.5					S1	P3
▼	1N21CM	S	3060	3060	5.5	1.5	350- 450	350- 450	350- 450	M	S1	P3Ø
▼	1N21D	S	3060		5.0	1.3					S1	P3Ø
▼	1N21E	S	3060		5.5	1.3					S1	P3Ø
▼	1N21EMR	S	3060	300- 4000	5.5	1.5	350- 450	350- 450	350- 450	M	S1	P3Ø
▼	1N21F	S	3060		5.5	1.3					S1	P3Ø
▼	1N21FMR	S	3060		5.5	1.3					S1	P3Ø
▼	1N21WE	S	3060	10000	5.5	1.5	350- 450	350- 450	350- 450	M	S1	P3a§
◆	JAN1N21WE	S	3060		5.5	1.5					S1	P3
▼	1N22		10000		5.5	1.3					S1	P3
▼	1N23A	X	9375	9375	8.0	2.7	325- 475	325- 475	325- 475	M	S1	P3
▼	1N23B	X	9375		6.5	2.7					S1	P3Ø
▼	JAN1N23B	X	9375		6.5	2.7					S1	P3
▼	1N23BM	X	9375	9375	6.5	2.7	325- 475	325- 475	325- 475	M	S1	P3Ø
▼	1N23C	X	9375		6.0	2.0					S1	P3Ø
▼	JAN1N23C	X	9375		6.0	2.0					S1	P3
▼	1N23CM	X	9375	9375	6.0	2.0	325- 475	325- 475	325- 475	M	S1	P3Ø
▼	1N23CMR	X	9375		6.0	2.0					S1	P3Ø
▼	1N23CR	X	9375		6.0	2.0					S1	P3Ø
▼	JAN1N23CR		9375	9375	6.0	2.0	325- 475	325- 475	325- 475	M	S1	P3
▼	1N23D	X	9375		5.0	1.7	350- 450	350- 450	350- 450	M	S1	P3Ø
▼	1N23DR	X	9375		5.0	1.7					S1	P3Ø
▼	1N23E	X	9375	within 3 db	1.3	1.3	335- 465	335- 465	335- 465	A	S1	P3Ø
▼	1N23EMR	X	9375		1.3	1.3					S1	P3Ø
▼	1N23ER	X	9375		1.3	1.3					S1	P3Ø
▼	1N23F	X	9375	4000-10000	1.3	1.3	335- 465	335- 465	335- 465	A	S1	P3Ø
▼	1N23WE	X	9375		1.4	1.3					M	S1
◆	JAN1N23WE	X	9375		1.4	1.3					M	S1
▼	1N25	L	1000	1000	8.5	2.5	100- 400	100- 400	100- 400	M	S1	P3aØ
◆	JAN1N25		1000		8.0	2.5					S1	P3
▼	1N25A	L	1000		6.5	2.0					A	S1
▼	1N25B	L	1000	24000	5.5	1.5	10	100- 300	100- 300	S1	F3Ø	
▼	1N26	K	24000		8.5	2.5					S1	P1b
◆	JAN1N26		23984		8.5	2.5					S1	P1b
▼	1N26A	K	24000	24000	7.5	2.0	1.6	300- 600	300- 600	S1	P1bØ	
▼	1N26B	K	24000		7.5	2.0					S1	P1bØ
▼	1N26C	K	24000		7.5	1.5					S1	P1bØ
▼	1N27		3295	32770-36950	1.3	1.3	400- MAX	150- 350	400- 800	S1		
▼	1N28	S	3000		2.0	2.0					S1	
▼	1N53	Ka	34860		2.5	1.6					S1	P1M
◆	JAN1N53		34860	32770-36950	1.6	1.6	400- 800	400- 800	400- 800	M	P1	
▼	1N53A	Ka	34860		1.6	1.6					S1	P1Ø
▼	1N53B	Ka	34860		1.6	1.6					S1	P1Ø
▼	1N53C	Ka	34860	32770-36950	1.6	1.6	400- 800	9.0	400- 800	M	P1Ø	
▼	1N53D	Ka	34860		1.6	1.6					S1	P1Ø
▼	1N53M	Ka	34860		1.6	1.6					S1	P1Ø
▼	1N78	Ku	16000	Up to 16000	2.5	2.5	325- 625	325- 625	325- 625	M	S1	P1bØ
◆	JAN1N78		16000		2.5	2.5					S1	P1b
▼	1N78A	Ku	16000		1.5	1.6					S1	P1Ø
▼	1N78AM	Ku	16000	Up to 16000	1.5	1.6	365- 565	365- 565	365- 565	A	S1	P1Ø
▼	1N78B	Ku	16000		1.3	1.6					S1	P1bØ
▼	1N78BM	Ku	16000		1.3	1.6					A	S1
▼	1N78EMR	Ku	16000	Up to 16000	1.3	1.6	365- 565	365- 565	365- 565	A	S1	P1bØ
▼	1N78C	Ku	16000		1.3	1.6					A	S1
▼	1N78CM	Ku	16000		1.3	1.6					A	S1
▼	1N78D	Ku	16000	Up to 16000	1.3	1.6	400- 565	400- 565	400- 565	7.5	S1	P1bØ
▼	1N78R	Ku	16000		2.5	2.5					M	S1
▼	1N149	X	9375		5.5	1.5					S1	P3Ø

15. MICROWAVE MIXER DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Band	TEST FREQ. (Mc)	FREQUENCY RANGE (Mc)	MAX. CONV. LOSS (db)	MAX. NOISE RATIO (times)	MAX. VSWR	I. F. IMPEDANCE RANGE (ohms)	MAX. Receiver NOISE FIGURE (db)	DESCRIPTION		
										STATUS	MAT.	DWG. No.
▼	1N149R	X	9375	4000-10000	5.5	1.5	1.5	325- 475		S1	P3	
▼	1N150	XB	6750	4000-10000	6.0	2.0	1.5	250- 500		S1	P3Ø	
▼	1N150R	XB	6750	4000-10000	6.0	2.0	1.5	250- 500		S1	P3Ø	
▼	1N160	XB	6750	4000-10000	6.5	2.7				S1	P3Ø	
▼	1N263	X	9375	Up to 12000	6.0	1.4	1.3	140- 210	7.5	M	Ge	F15
	JAN1N263	X	9375		5.75	1.4	1.3	140- 210	7.25	M	Ge	P3a
	1N286	X-K		10000-22000	8.5	2.5	3.0	250- 450		S1		
	1N286A	X-K		10000-22000	7.5	2.0	3.0	250- 450		S1		
	1N415B	X	9375		6.5	2.7		300- 600	11.4	S1	P3a§	
▼	1N415C	X	9375		6.0	2.0	1.5	325- 475	9.8	S1	P3a§	
▼	1N415CM	X	9375		6.0	2.0	1.5	325- 475	9.8	S1	P3a§	
	1N415D	X	9375		5.0	1.7	1.3	350- 450	8.3	S1	P3a§	
▼	1N415E	X	9375	4000-10000			1.3	335- 465	7.5	S1	P3a§	
▼	1N416B	S	3060		6.5	2.0		200- 800	10.3	S1	P3a§	
	1N416C	S	3060		5.5	1.5		200- 800	8.3	S1	P3a§	
	1N416D	S	3060		5.0	1.3	1.5	350- 450	7.3	S1	P3a§	
▼	1N416E	S	3060		5.5	1.5	1.3	350- 450	7.0	S1	P3a§	
	1N831	S	3060		5.5	1.5				S1	A1	
	1N831A	S	3060		5.5	1.5				S1	A1Ø	
▼	1N918	Ku	16000		7.5	2.5				Ge	F15	
	1N1838	X-KW	13500	Up to 14000			3.0	450- 750	32			
	1N2510	X	9375		6.0	1.5		300- 500		S1	Ø	
	1N3205	Ku	16000		6.3	1.4	1.6	365- 565	8.5	S1	P1aØ	
	1N3746	X	9375				1.3	335- 465	8.5	S1Ø	F3	
▼	1N3747	X	9375				1.3	335- 465	7.5	S1Ø	F3	
▼	13-112062	S	3060		5.5	1.5				M	P3Ø	
▼	248A151	S	3060		5.5	1.5	1.3	350- 450	7.0	M	S1	P3a§
▼	MA409		3060		5.5	1.5		300- 400	8.3			
	MA419	XB	6700	4000-10000	6.5	2.7				S1	P3a§	
	MA419A	C	6750		6.0	2.0		250- 500		S1	Ø	
	MA423A	X	9375	4000-10000		7db	1.3	335- 465		S1	Ø	
	MA426	X	9375	4000-10000		7.5db	1.3	335- 465		S1	P3aØ	
	MA444B	Ku	16000		6.5	1.3	1.6	365- 565	8.8	S1	P1bØ	
	MA444C	Ku	16000		6.5	1.3	1.6	400- 565	8.3	S1	P1bØ	
	MA444D	Ku	16000		5.7	1.3	1.6	400- 565	7.8	S1	P1bØ	
	MA449D	S	3060		5.0	1.3	1.5	325- 475		S1	Ø	
	MA449E	S	3060		5.5	1.5	1.3	350- 450	7.0	S1	Ø	
	MA449F	S	3060				1.3	350- 450	6.0	S1	Ø	
	D4081	Ku	16000		5.7	1.3	1.6	365- 565	7.8	S1		
	D4081A	Ku	16000		5.7	1.3	1.6	365- 565	7.3	S1		
	D4084	L	1000		8.0	2.5	11db	100- 400		S1		
	D4084A	L	1000		6.5	2.0	11db	100- 300		S1		
	D4089	K	23984		6.5	1.5	1.6	300- 600		S1		
	D4092	Ku	12500		7.5	2.5	1.6	325- 625		S1		
	D4148E	S	3060				1.3	350- 450	7.0	S1Ø	F3	
	D4175	K	23984		8.5	2.5		300- 600		S1Ø	P1a	
	D4175A	K	23984		7.5	2.0	1.6	300- 600		S1Ø	P1a	
	D4180E	S	3060				1.3	350- 450	7.0	S1Ø	F3	
▼	D4188E	S	3060		5.5	1.5	1.3	350- 450	7.0	S1Ø	F3	
▼	SS7637-1-2	S	3000		8.5	4.0				S1		
▼	SS7637-1-4	S	3000		8.5	4.0				S1		
▼	190290-401		9375				1.3	335- 465	7.5	S1	F3	

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.
 — MECHANICAL AND ENVIRONMENTAL TEST.
 ♦ — PREFERRED TYPE — MIL-STD 701

16. MICROWAVE VIDEO DETECTOR DIODES

SYMBOLS Explained at bottom of page	TYPE No.	Band	TEST FREQ. (Mc)	FREQUENCY RANGE (Mc)	POWER LEVEL (μw)	MIN. FIGURE of MERIT	MIN. SENS. (-dbm)	VIDEO IMPEDANCE RANGE (ohms)	DESCRIPTION		
									STATUS	MAT.	DWG. No.
▼	1N31	X	9375		5.0	55		3000-23000	M	S1	P1b
♦	JAN1N31		9375			55		6000-23000	M	S1	P1b
1N31A	X	9375				55		3000-17000	A	S1	P1b
▼	1N32	S	3295		5.0	85		4000-22000	M	S1	P3
♦	JAN1N32		3295			85		4000-22000	M	S1	P3
▼	1N76	X	9375				7.5V.	min. output	S1	Ø	
1N76A	X	9375					40V.	min. output	S1		
1N76C	X	9375					40V.	min output	S1	P1bØ	
1N358	L-X		1000-12400			15	40	4500-18000	S1	P1a	
1N358A	L-X		1000-12400			30	45	4500-18000	S1	P1a	
1N358R	L-X		1000-12,400	5.0		15	40	4500-18000	S1	P1aΔ	
1N369	S-X		3000-12400			15	40	4500-18000	S1	P1a	
1N369A	L-X		1000-12400			15	40	4500-18000	S1	P1a	
1N446	K-Ka		26500-40000			15		3000-23000	S1		
1N630	L-X		1000-12400	200m		15	40	4500-18000	S1	P1a	
1N630A	L-X		1000-12400	200m		30	45	4500-18000	S1		
1N833	X	9375					40	4500-18000	S1	A1	
1N1610	S-X		3000-12400			15		4500-18000	S1	P1aΔ	
1N1611A	X	9000	4000-10000	5.0	220	-52		1700- 3100	S1	P3	
1N1611B	X	9000	4000-10000		220	52		1700- 3100	S1	P3Ø	
1N2102	S	3295	500- 4000	5.0	85			4000-22000	S1	F3	
1N2127	L-X		1000-12400						S1	P1aΔ	
1N2127A			1000- 9375						S1	Δ	
1N3143	X	9375	4000-10000	Controlled Output				for instrument use	T	P3	
1N3778	X	9375	4000-10000						S1	F3\$Δ	
MA408	X	9000	4000-10000	5.0	130	-50		1700- 3100	S1	P3	
K408A	X	9000			160	51		1700- 3100	S1	P3Ø	
MA408A	X	9000	4000-10000	5.0	160	-51		1700- 3100	S1	P3	
K408B	X	9000			220	52		1700- 3100	S1	P3Ø	
MA408B	X	9000	4000 - 10000	5.0	220	52		1700- 3100	S1	P3	
MA417	S	3295	500 - 4000	5.0	85			4000-22000	S1	F3	
MA418	X	9000	4000-10000	5.0	130			1700- 3100	S1	P3a	
MA418A	X	9000	4000-10000	5.0	160			1700- 3100	S1	P3a	
MA418B	X	9000	4000-10000	5.0	220			1700- 3100	S1	P3a	
MA425	X	9375				130	50	1700- 3100	S1	P3b\$	
MA452	X	9000							S1	P3Ø	
MA452A	X	9000				160	51	1700- 3100	S1		
MA461	X	9000	4000-10000	5.0	130			1700- 3100	S1	F3	
MA461A	X	9000	4000-10000	5.0	160			1700- 3100	S1	F3	
MA461B	X	9000	4000-10000	5.0	220			1700- 3100	S1	F3	
HD2130			PIV - 30V	30% RE at 100 Mc					S1		
D4070	S	3295		360m	85			4000-22000	S1	Ø	
MA4123	S	3060					45	4500-18000	S1	DO7	
MA4123A	S	3060					48	4500-18000	S1	DO7	
MA4128	X	9000	High Burnout Equivalent	to MA408					S1	P3Ø	
1021222-3	S-X		1000-12,400		15	40		4500-18000	S1	P1a	
1021222-4	S-X		1000-12,400		15	40		4500-18000	S1	P1a	

17. MISCELLANEOUS DIODES

SYMBOLS	TYPE No.	USE	DWG. No.	STATUS	DESCRIPTION
▼	1N60	1	D07		PIV-30V., Rev. I-67ua at 10V.-Germanium
▼	1N64A	1			PIV-50V: Ir-25ua at 10 V.
▼	1N72	2		N	Max. Conv. Loss-12db at 900Mc.
▼	1N77A	4	C11a		Forward Drop-1V/10ma:Dark IR-30ua/50V:Dark Noise-1.5mv:RMS/45v with RL-100K:Min.Light Sens.-18.7v peak to peak.
	1N77B	4	C11		Same as 1N77A.
▼	1N79	M			Meter Rectifier up to 3000 Mc.
▼	1N82	2	D07		Noise Figure-16db. max.
▼	1N82A	2	D07	A	Silicon-Max.N.F.-14db: PIV-5V
▼♦	USA1N82A	2	D07	A	Silicon; max. N.F.-14 db; PIV-5V.
	1N85	4		R	Dark I-6ua at 90V; Light I-385ua at 25 deg. C.
	1N105	1			PIV-30V., Rev. R-150K from 0 to 10V.
	1N132	2			PIV-25V., Rev. I-500ua at 50V.
	1N134	1			PIV-40V., 400Mc. detector.
	1N147	2			10db max.noise figure:PIV-2V: 25ma avg. DC current
▼	1N173A	2			PIV-20V; C-1.0uuf; Sens Factor-.90 ma. min.
	1N285	2			Max. N. F.-12.5db.
▼	1N295	1	D07		PIV-40V., Rev. I- 200ua at 10V.
	1N295A	1			PIV-40V; Rev. I-200 ua at 10V. (Glass Package)
▼	1N295P	1	D07		PIV-40V; Rev.I-200ua at 10V.
▼	1N830	1	A1		Si; P.C.; PIV-2V; Iavg-25ma; Eff-65% min.
	1N830A	1	A1		Silicon: PIV-5V.: Rect. Eff.-65 per cent: If-25ma.
	1N2175	4	M17b		Sens.-22ua/mw/sq.cm.; Max.dark I-.5ua 50V;250mw; AC or DC-50V max.; max. temp.-125 deg. C.;NPN
	1N2782	1			UHF detector
	1N3734	4	TO18		Si;Pc-.50W;BV-100V;Photo Sens .05ua/foot candle
	2N1877	7	TO9		Si; Anode V-.60V max; Gate V to Fire-.44 to .60V
	2N1877A	7	TO9		Si; VR-60V max; Ic-1.25A max; Ifire-50ua
	2N1878	7	TO9		Si; Anode V-.100V max; Gate V to Fire-.44 to .60V
	2N1878A	7	TO9		Si; VR-100V. max; Ic-1.25A max; Ifire-50ua
	2N1879	7	TO9		Si; Anode V-.150V max; Gate V to Fire-.44 to .60V
	2N1879A	7	TO9		Si; VR-150V max; Ic-1.25A max; Ifire-50ua
▼	3A30	7			Anode V-30V max. Gate V to Fire .40 to .80V.
▼	3A61	7			Anode V-60V max; Gate V to Fire .40 to .80V.
	3C30	7	TO9		Si; VCE-30V; Base Trigger-On-50ua/.7V. max.
▼	3C30A	7	TO9		Si; VCE-30V; Base Trigger-On-50ua/.7V. max.
	3C60	7	TO9		Si; VCE-60V; Base Trigger-On-50ua/.7V. max.
	3C60A	7	TO9		Si; VCE-60V; Base Trigger-On-50ua/.7V. max.
	3C100	7	TO9		Si; VCE-100V; Base Trigger-On-50ua/.7V. max.
	3C100A	7	TO9		Si; VCE-100V; Base Trigger-On-50ua/.7V. max.
	3C200	7	TO9		Si; VCE-200V; Base Trigger-On-50ua/.7V. max.
	3C200A	7	TO9		Si; VCE-200V; Base Trigger-On-50ua/.7V. max.
	3C1200	7	TO9		Si; VCE-200V; Base Trigger-On-5.0ma/1.5V. max.
▼	Q7	6			E-115VRMS; Id-7.0uA±3.0uA; T max - 85 deg.C
▼	G9E	6			E-115VRMS; Id-7.0uA±3.0uA; T max - 85 deg.C
	3C1200A	7	TO9		Si; VCE-200V; Base Trigger-On-5.0ma/1.5V. max.
	3C2200	7	TO9		Si; VCE-200V; Base Trigger-On-10ma/2.0V. max.
	3C2200A	7	TO9		Si; VCE-200V; Base Trigger-On-10ma/2.0V. max.
▼	4D20-12	5	C1b		Si; Vs-20±4; Ih-12 ma; Ip-2a; T-65 deg. C max.
▼	4D80M3	5	C1b		Si; Vs-80±8; Ih-3 ma; Ip-4a; T-105 deg. C max.
	4E20-8	5	A71		Si; Vs-20±4.0V; Ih-8.0ma; Ip-10A; T-65 deg. C max.
	4E20-28	5	A71		Si;Vs-20±4.0 V.; Ih-30mA; Ip-10A; T-65 deg. C max.
	4E20A	5			Si; Vs-20V; Ih-30ma; Ip-10A; T max-70 deg. C.
	4E30-8	5	A71		Si; Vs-30±4.0 V.; Ih-8.0mA; Ip-10A; T-65 deg. C max.
	4E30-28	5	A71		Si; Vs-30±4.0 V.; Ih-30mA; Ip-10A; T-65 deg. C max.
	4E30A	5			Si; VS-30V; Ih-30mA; Ip-10A; T max-70 deg. C.
	4E40-8	5	A71		Si; Vs-40±4.0 V.; Ih-8.0mA; Ip-10A; T-65 deg. C max.
	4E40-28	5	A71		Si; Vs-40±4.0 V.; Ih-30mA; Ip-10A; T-65 deg. C max.
	4E40A	5			Si; VS-40V; Ih-30mA; Ip-10A; T max-70 deg. C.
▼□	4JB2D4	2			Ge; PIV-2V; max. Rect. I-75 ma; C-1.0pf; Sens. Fac.90 ma
▼	4JB2C11	2	D07		Si; max. N.F. -14db; PIV-5V.
	DC7	2			PIV-15V; Rect. eff.-50 pct min; Conv. Loss-12db. max.
	DC7A	2			PIV-10V; Rect. eff.-60 pct min; Conv. Loss-12db. max.

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

17. MISCELLANEOUS DIODES

SYMBOLS	TYPE No.	USE	DWG. No.	STATUS	DESCRIPTION
▼	G7A	2			Max. Conv. Loss -12db
▼	G7B	2			PIV-5V; min. Rect. Eff. -75%.
▼	DC7C	2			PIV-10V; Rect. eff.-75 pct min; Conv. Loss -6db. max.
▼	DC7D	2			PIV-15V; Rect. eff.-85 pct min; Conv. Loss -6db. max.
▼	G7E	3			PIV-5V.
	SVC14	9			S1; C-1.5uuF at 0.0V; PIV-15V; Q-1.0 min. at 60 Kmc.
	ZC32	9			S1; C-1.5uuF at 6.0V; PIV-6.0V; Q-2.1 min. at 10 Kmc.
▼	S237C	M			Surge Suppressor; V-44 V max.; Coil I-.25A max.
▼	C336C631H01	M		♦	Two Sets of 4 Matched Diodes in Tube Type Package
▼/□	353-3001-005	5			S1; Vs-20±2V; Ih-3±1 ma; Ip-4 amp; T-105 deg. C.
▼/□	386-9051-P6	7			S1; Vce-60V; Base Trigger on 50ua/.75V max; Tr.-4u sec.
	MA460B	9			S1; C-1.5uuF at 6.0V; PIV-6.0V; Q-3.0 min. at 10 Kmc.
▼	CK711	M	Tube Type		PIV-80V; Io-100 ma; Isurg.-500 ma; Matched Quad.
▼	CK711A	M	Tube Type		PIV-80V; Io-100 ma; Isurg.-500 ma; Matched Quad.
▼	CK719	M			Matched Quad - Germanium
	SX761	M	C6		Surge Suppression 30-45 V. at 1.0ma, 60-80 V. at 1.0A.
▼	HD2016A	2			UHF Mixer
▼	PS2026	M			Four Matched 1N459 in Bridge Circuit ±20mv.
▼	MP3013	M			Matched Pair Vrms-3.30 at F-7 mc; V-2.1V min.
▼	S3927-1001P1	M	♦		Bridge Circuit; Io-55 ma, Eb-70V max. Ef-1.5V at 30 ma
	D4075C	9	P3a		S1; C-1.8uuF at 6.0V; PIV-6.0V; Q-4.0 min. at 10 Kmc.
	D4200	3	F3		Si; Epitaxial Varactor; PIV-6.0V; Cutoff freq.-20-140kmc
	D4210	3	F3		Si; Epitaxial Varactor; PIV-15V; Cutoff freq.-20-140kmc
	D4220	3	F3		Si; Epitaxial Varactor; PIV-24V; Cutoff freq.-20-120kmc
	D4230	3	F3		Si; Epitaxial Varactor; PIV-30V; Cutoff freq.-20-120kmc
	D4240	3	F3		Si; Epitaxial Varactor; PIV-45V; Cutoff freq.-20-80kmc
	D4250	3	F3		Si; Epitaxial Varactor; PIV-60V; Cutoff freq.-20-60kmc
	D4260	3	F3		Si; Epitaxial Varactor; PIV-90V; Cutoff freq.-20-30kmc
▼	SV6015	M			1 Zener and 1 Diode in One Package
▼	HD6161	M			Vf-.530-.535V at If-100ua, Vf-.700-.695 at If-1.0 ma.
▼	HD6254	M			Vf-.900 min. to 1.0 max. at 20 ma; Vf-1.05 min. to 1.15/50ma
▼	G52018	6			Varistor; 48K±15% at 80 deg. F.
▼/□	GIB52094	6			Temp. Stabilized Diode; Io-1.16 ma max. at 1.5V.
▼	GA52243	M			Varistor; Vr-70V; Io-80 ma
▼	GA53679	5			Switching Voltage 35±5V; I-20 ma max.; I5/ua max.
▼	PO57276-501	4	M17b	♦	Sens.-22ua/mw/sq cm; max. dark I-.5ua at 50V; 250 ma
	D175348	6			Varistor; V-250V.
▼	B20465H	M	A78	♦	4 Selected B-20466; Forward Resistance 125±5 ohms.
	425000	M			Vf-.80 to 2.0 ma at .03V.
▼	590313	4	M17b		Sens.-22ua/mw/sq cm; dark I-.5ua max. at 50V; 250 mw.
▼	720650-2	M	F3		Vo-72 to 112 mV at 9375 mc.
▼	720699-106	7			NPNP; Sw Voltage 108V min; Roff-1.0 meg. min; Ron -7ohms max.
▼	720701-8	9	P3a		Si; C-1.5uuF at 6.0V; PIV-6.0V; Q-3.0 min. at 10 Kmc
▼	A750147	M			Meter Rectifier up to 3000 mc.
▼	SP750549-B	2			Max. Conv. Loss 12db at 900 mc; P-100 mw at 25 deg. Eb-9.0V.
▼	925006-1	M	A21c		Io-3.0 ma at 25 deg. C; Io-4.0 ma at .50V-55 deg. C.
▼	965514-308	4	M17B		I dark at ±10V, 25 deg. C-.05ua; Sens min. 100ua/100FC
▼/□	8936996-2	M		♦	Balanced Bridge Assembly

▼ — TYPE NUMBER IN NAVY STOCK SYSTEM.

□ — MECHANICAL AND ENVIRONMENTAL TEST.

♦ — PREFERRED TYPE — MIL-STD 701

18. OUTLINE DRAWINGS

IN ORDER OF CASE NUMBER

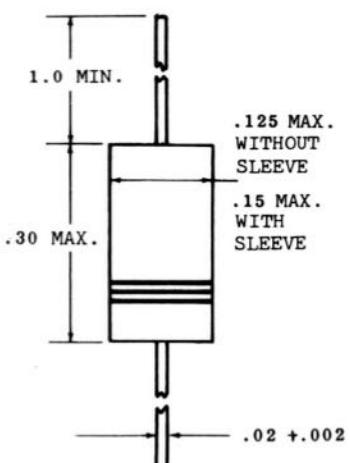
**THE PREFIX LETTERS OF THE OUTLINE
DRAWING NUMBERS
INDICATE THE FOLLOWING:**

A — AXIAL LEAD Type
C — CASE Type
DO — JEDEC Type
F — FUSE Type
L — MULTIPLE Lead Type
M — MISCELLANEOUS Type
MD — MOUNTED Type — DIAMOND Base
MM — MOUNTED Type — MISCELLANEOUS Configuration
MS — MOUNTED Type — SQUARE and Rectangular Base
MT — MOUNTED Type — THREADED
N — NAVY MISCELLANEOUS Type
OV — OVAL Case
P — PLUG-IN Type
RO — ROUND Case
S — SCREW BASE Type
TO — JEDEC Type
u — MICROMINIATURE Case
X — MISCELLANEOUS Configuration including Phototransistor

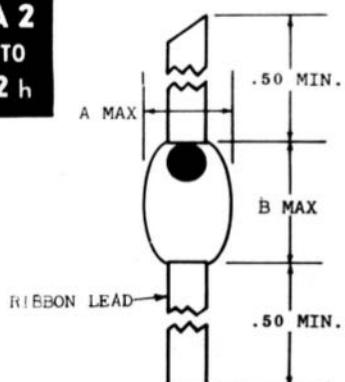
NOTES:

1. Except for the N-drawing number types, the dimensional outlines included in this section were extracted from the D.A.T.A. TRANSISTOR CHARACTERISTICS TABULATION and the D.A.T.A. SEMICONDUCTOR DIODE & RECTIFIER CHARACTERISTICS TABULATION.
2. These outline drawings are intended as a guide for the user. They should not be used for construction purposes without first checking with the appropriate manufacturer.
3. These drawings are referenced in the Technical Sections of this Tabulation in accordance with information supplied by the manufacturers.
4. The DO and TO drawings have been reproduced from JEDEC Publication No. 12D (August 1962) with the permission of the Electronic Industries Association. JEDEC designations are assigned only to outlines submitted by the JS-10 Committee on Mechanical Standardization and Packaging. The procedure of assigning and announcing the JEDEC designation constitutes registration.
5. All drawings have circular symmetry unless indicated.

A 1

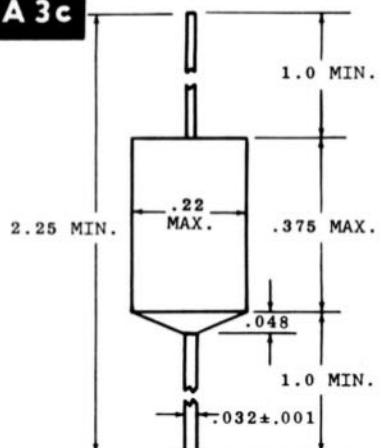


**A 2
TO
2 h**

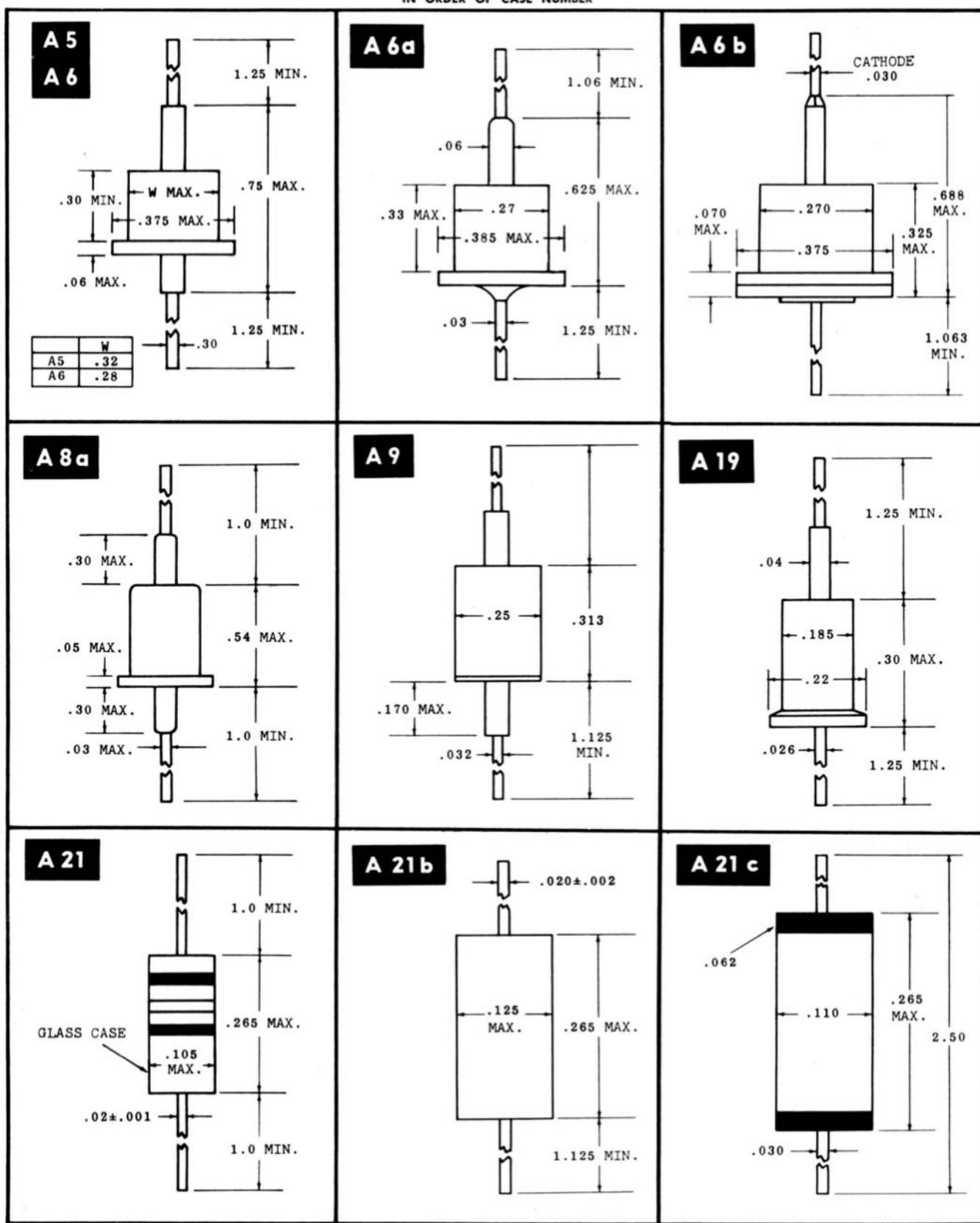


	A	B	RIBBON LEAD
A2	.045	.08	.02 x .004
A2a	.03	.075	.02 x .004
A2b	.06	.125	.02 x .004
A2c	.045	.100	.019 x .004
A2d	.06	.150	.045 x .005
A2e	.035	.08	.018 x .004
A2f	.90	.150	.072 x .007
A2g	.05	.100	.018 x .004
A2h	.035	.080	.018 x .003

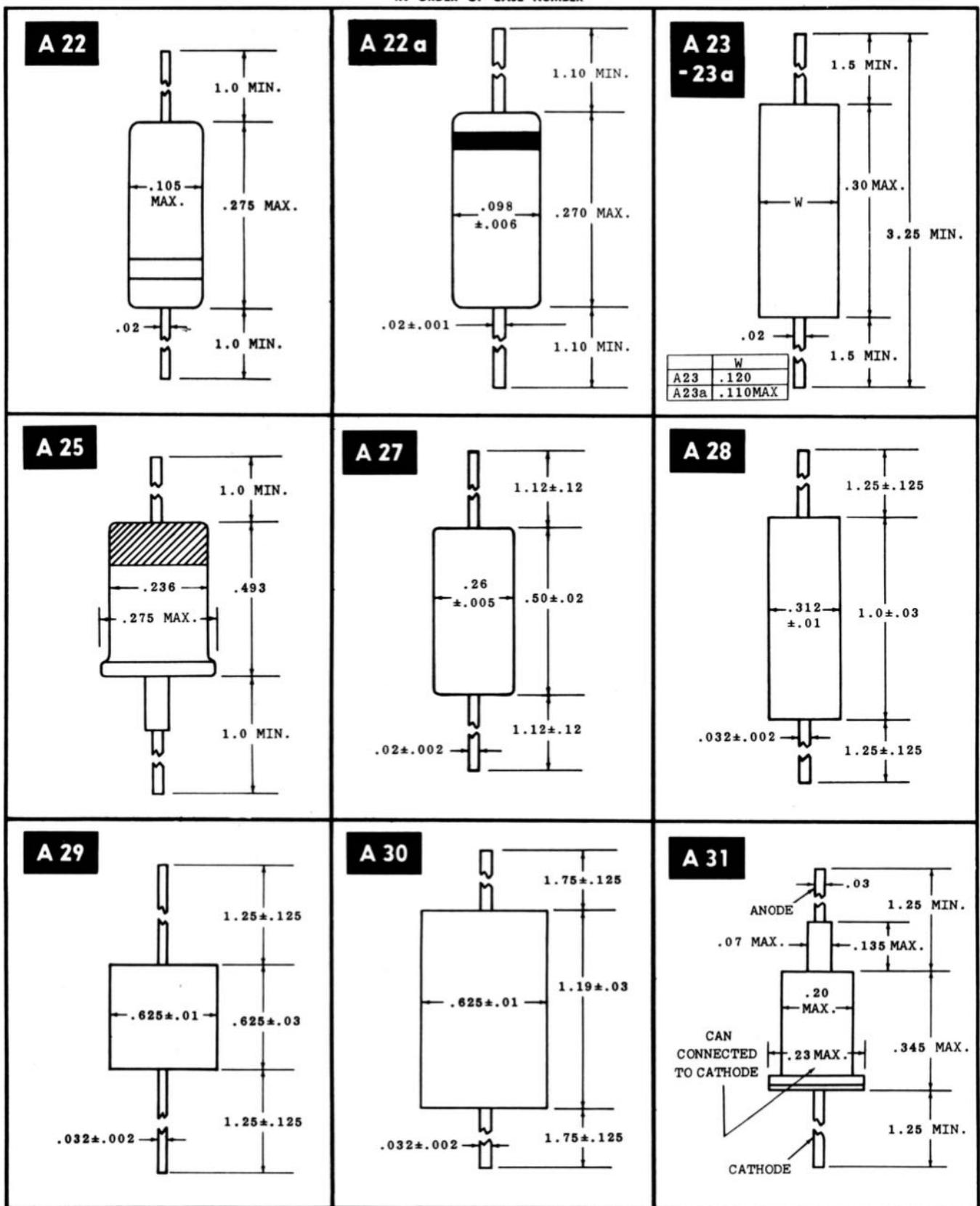
A 3c



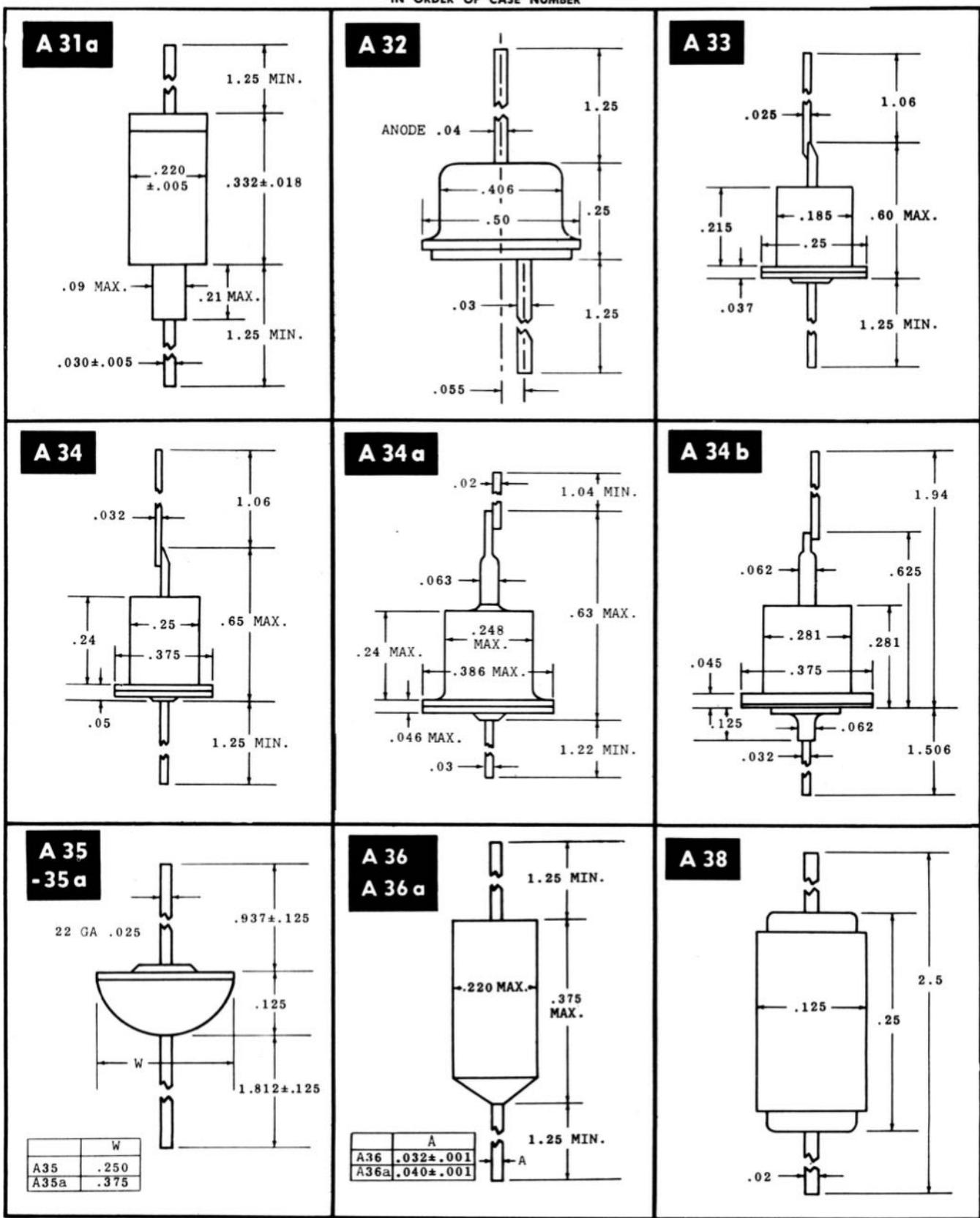
18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



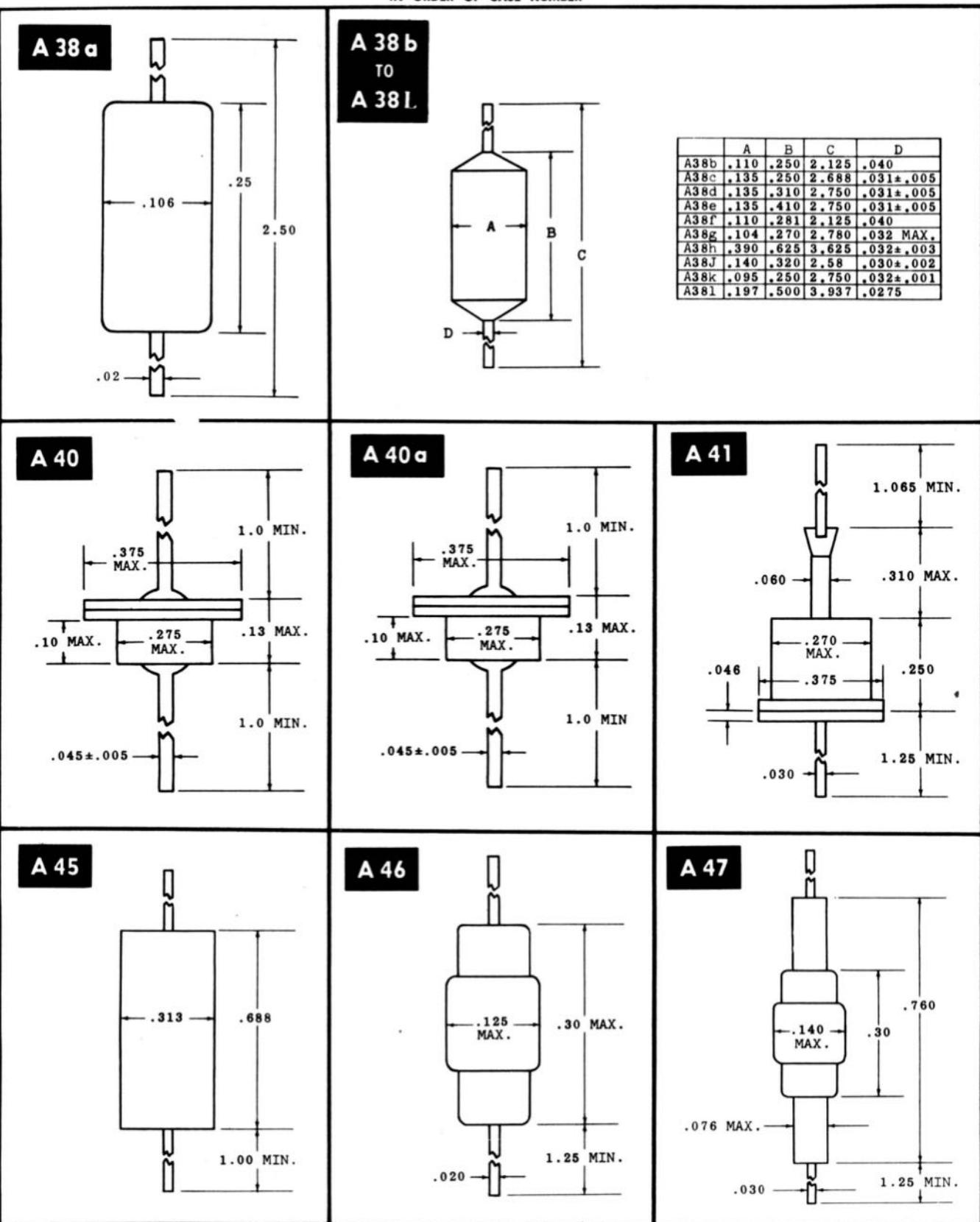
18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

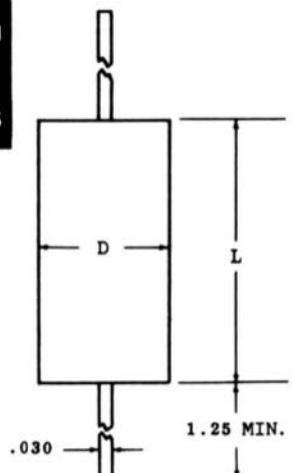


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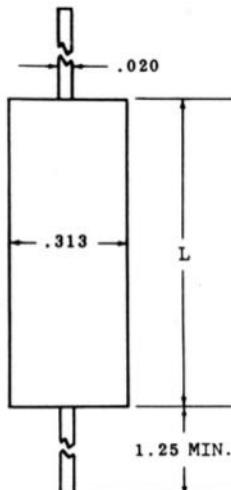
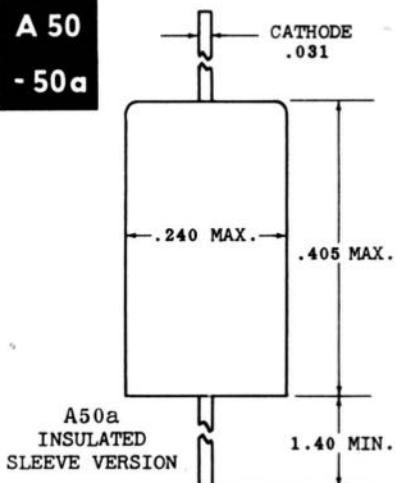
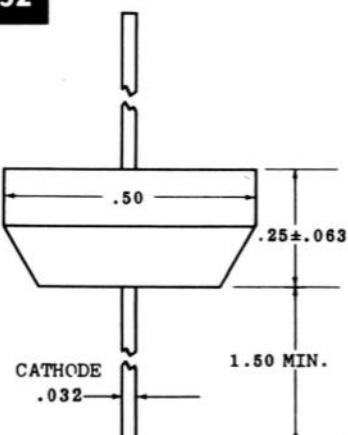
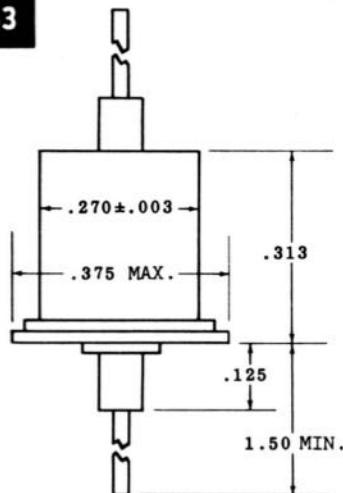
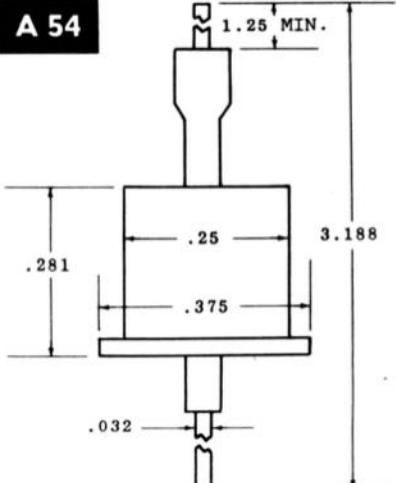
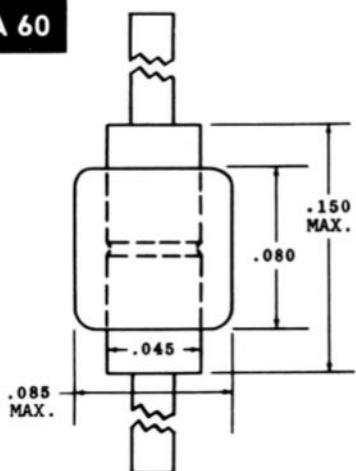
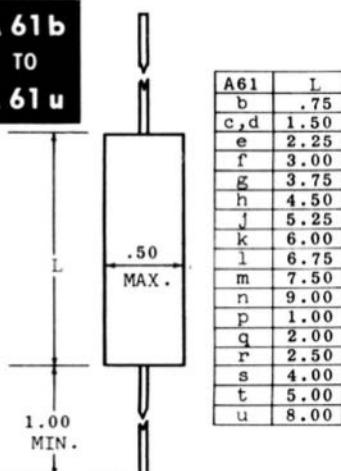


18. OUTLINE DRAWINGS

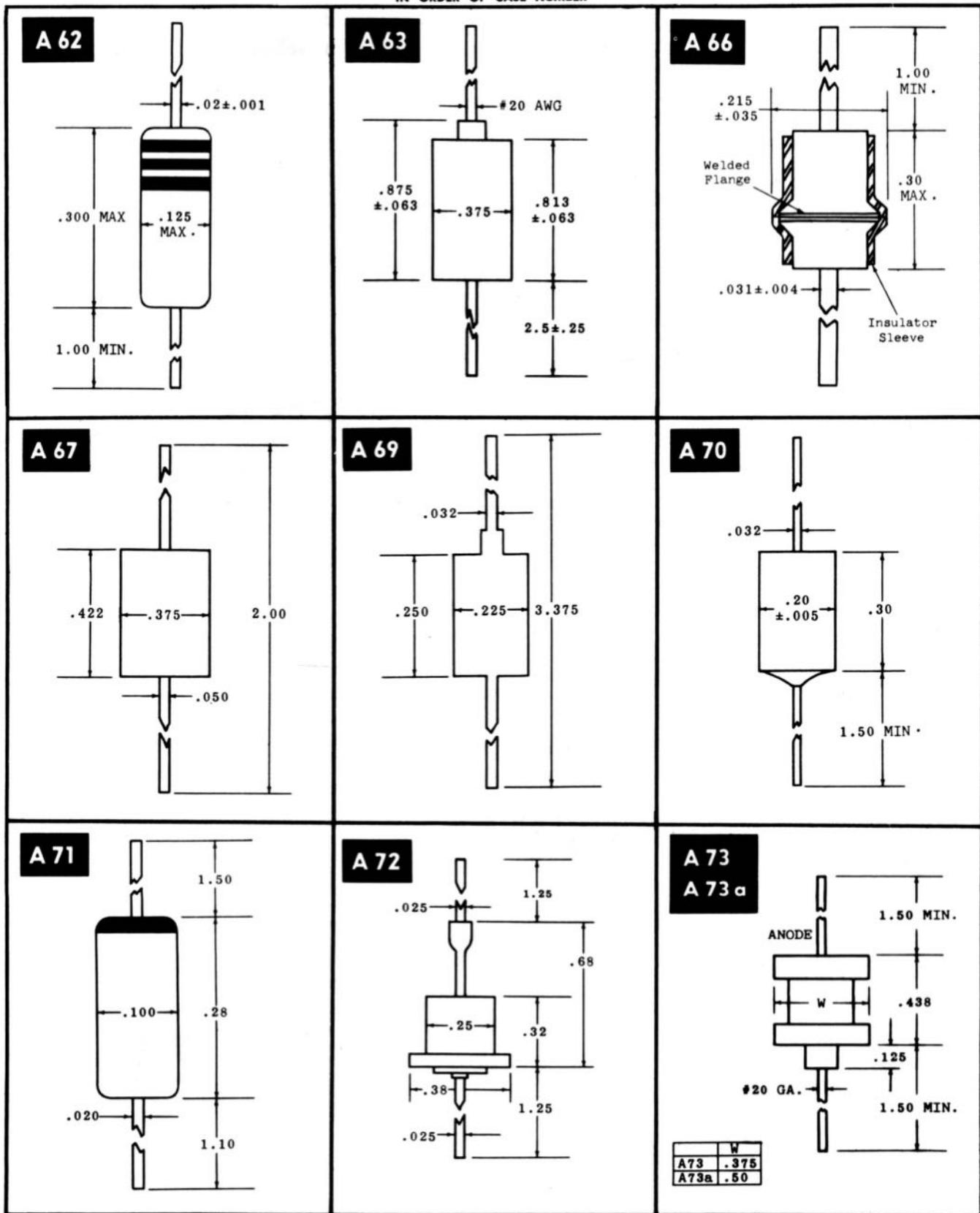
IN ORDER OF CASE NUMBER

A 48a
TO
A 48s

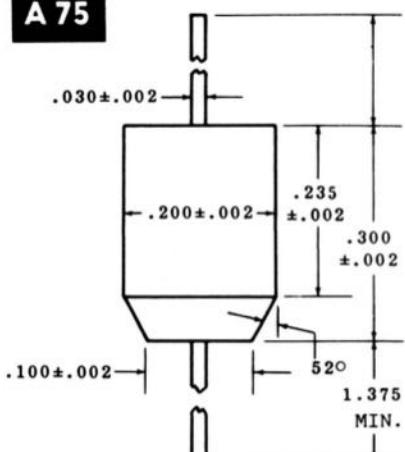
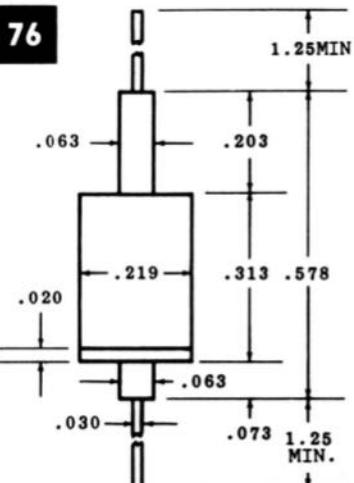
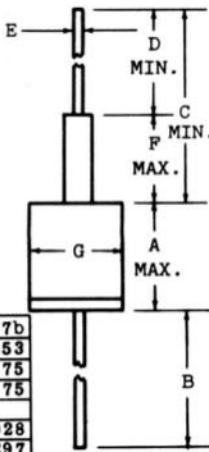
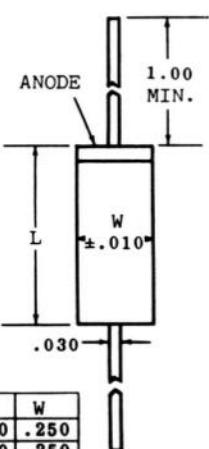
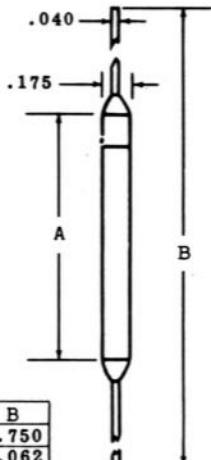
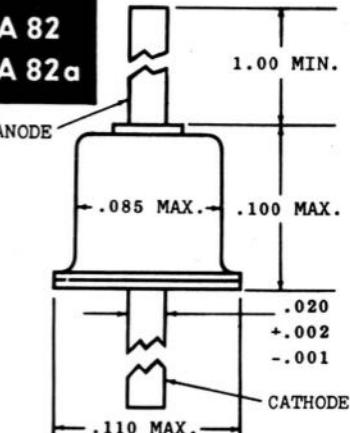
A48	D	L
a	.313	.50
b	.313	1.0
c	.38	.50
d	.38	1.0
e	.50	1.0
f	.50	1.25
g	.50	1.5
h	.50	1.75
j	.50	2.0
k	.50	2.25
m	.50	2.5
n	.52±.03	4.0
p	.52±.03	5.0
q	.52±.03	6.0
r	.52±.03	7.0
s	.52±.03	8.0

A 49a
- 49b
- 49c**A 50**
- 50a**A 52****A 53****A 54****A 60****A 61b**
TO
A 61u

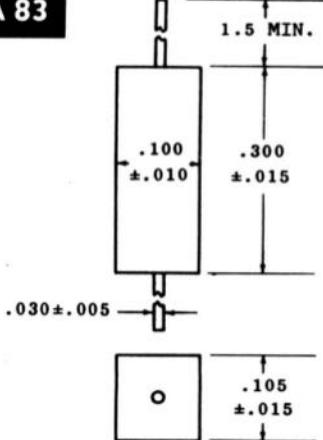
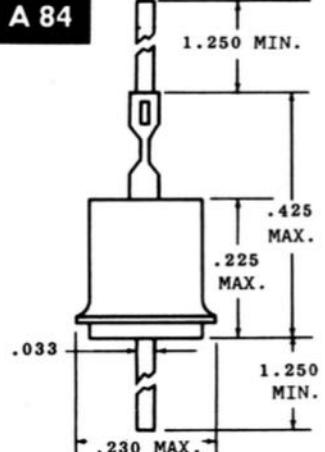
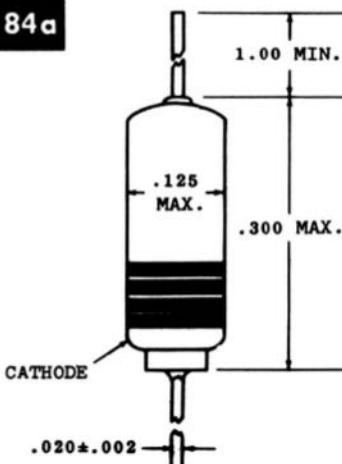
18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



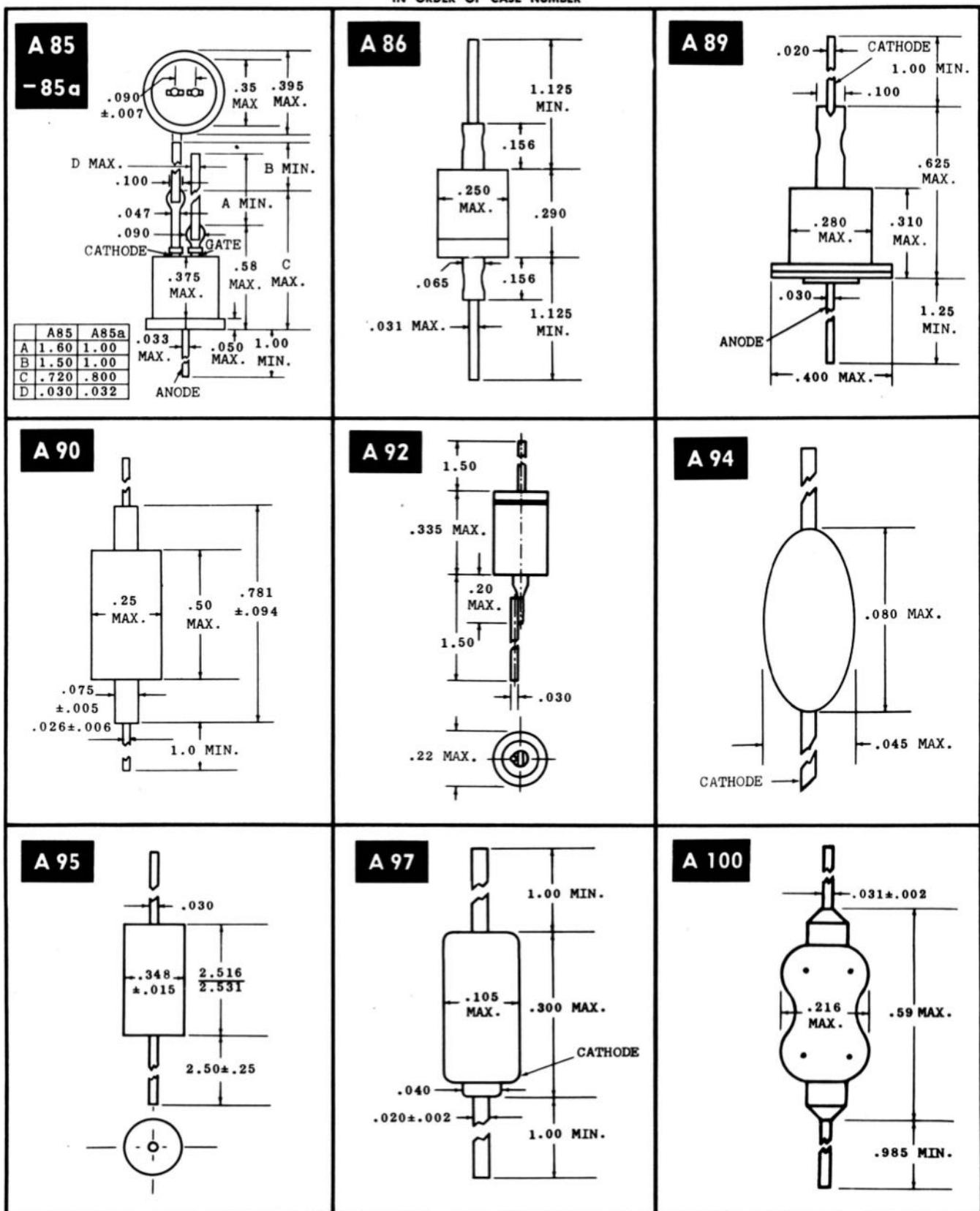
18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

A 75**A 76****A 77****- 77 b****A 78****- 78 b****A 79 a****T0
A 79 d****A 82****A 82a**

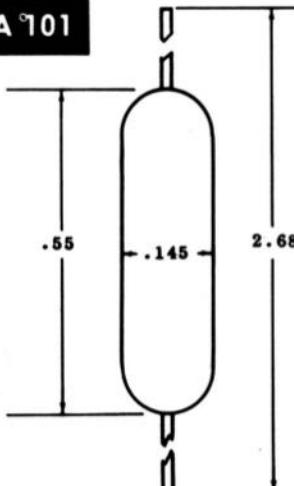
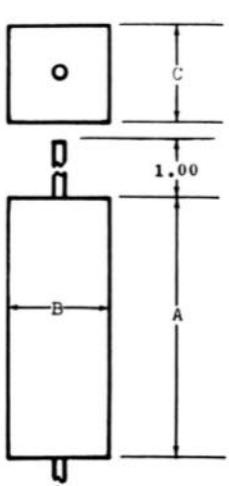
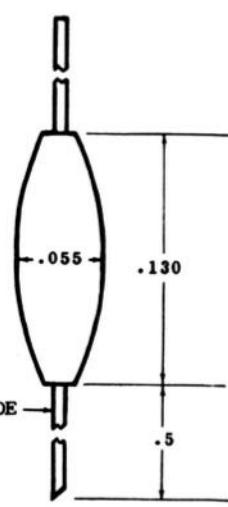
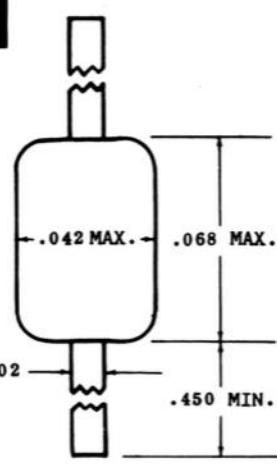
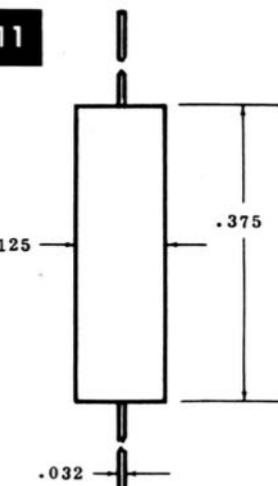
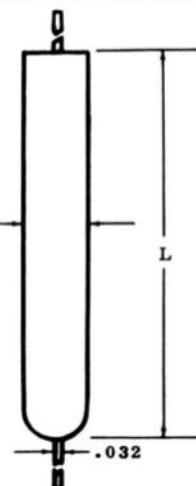
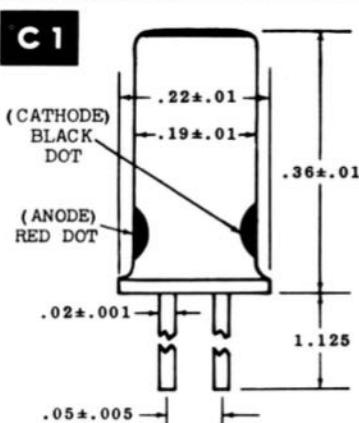
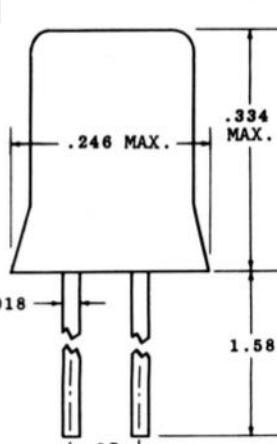
A82a - Same as A82 but with reverse polarity.

A 83**A 84****A 84a**

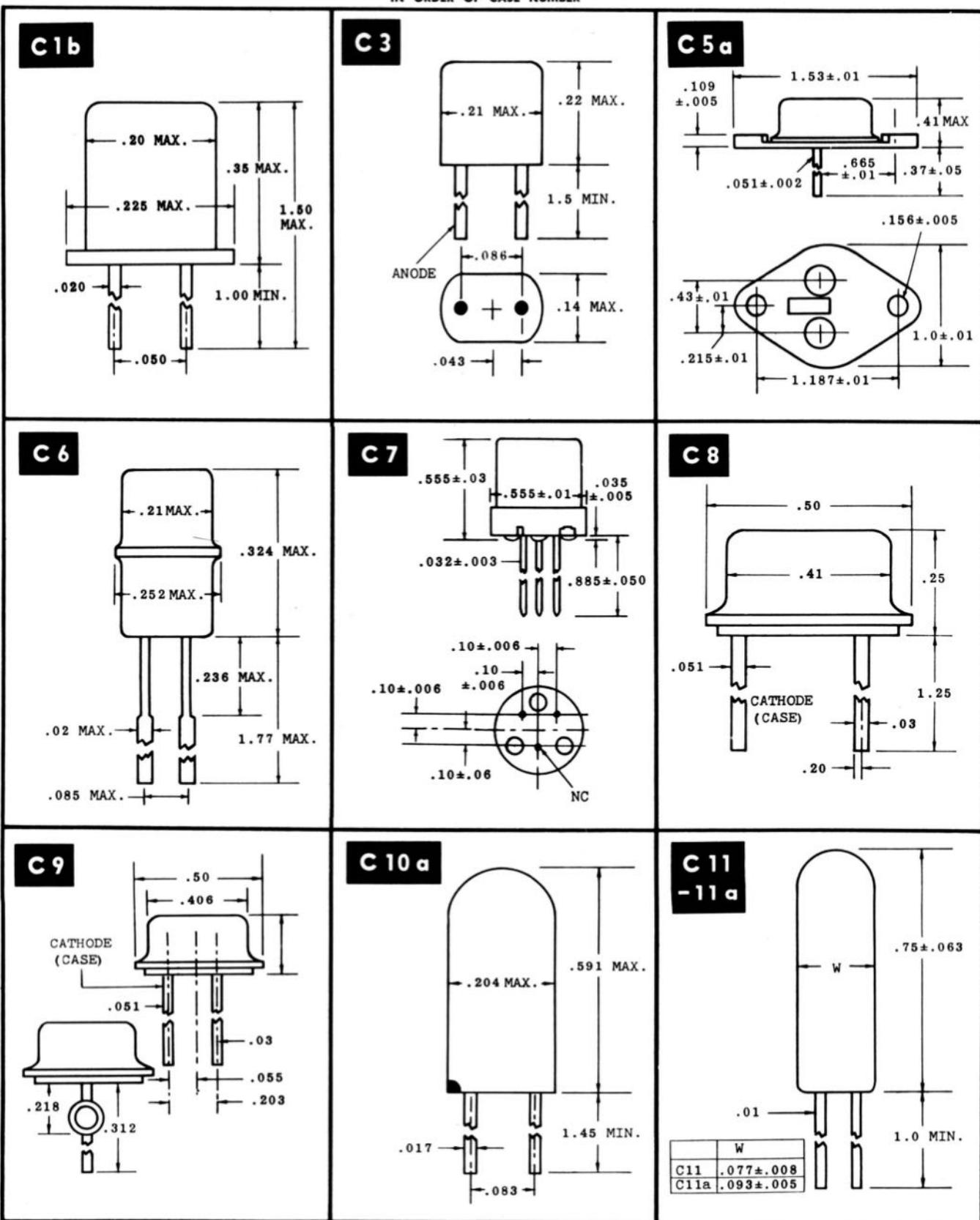
18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



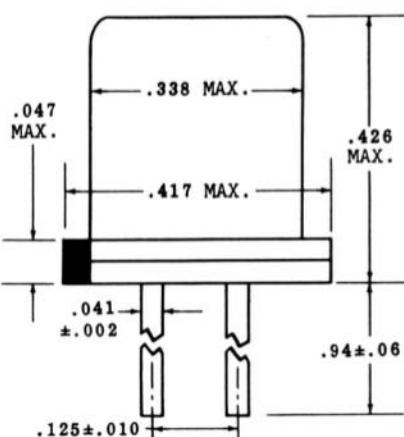
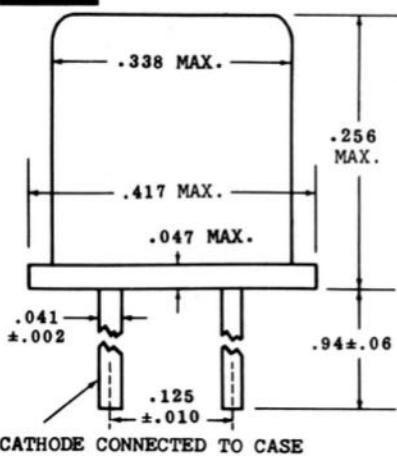
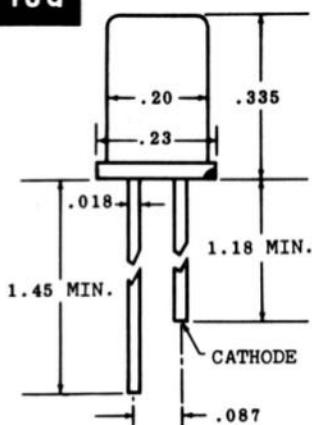
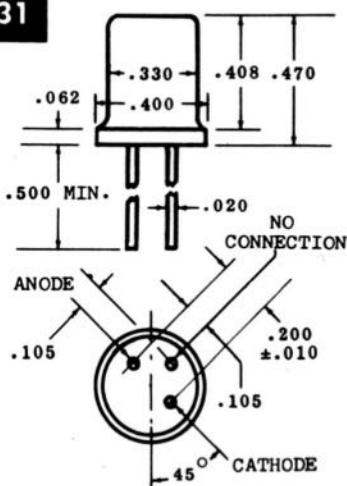
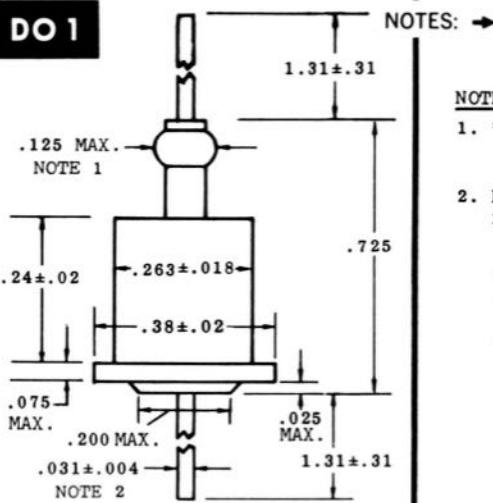
18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

A 101 	A 107 TO A 107e 	<table border="1" data-bbox="979 380 1403 549"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>A107</td> <td>1.313</td> <td>.187</td> <td>.187</td> </tr> <tr> <td>A107a</td> <td>2.0</td> <td>.375</td> <td>.375</td> </tr> <tr> <td>A107b</td> <td>3.5</td> <td>.375</td> <td>.375</td> </tr> <tr> <td>A107c</td> <td>4.5</td> <td>.375</td> <td>.375</td> </tr> </tbody> </table>		A	B	C	A107	1.313	.187	.187	A107a	2.0	.375	.375	A107b	3.5	.375	.375	A107c	4.5	.375	.375
	A	B	C																			
A107	1.313	.187	.187																			
A107a	2.0	.375	.375																			
A107b	3.5	.375	.375																			
A107c	4.5	.375	.375																			
A 109  <p>CATHODE</p>	A 110 	A 111 																				
A 112 A 112a  <table border="1" data-bbox="97 1752 244 1837"> <tr> <td>L</td> <td></td> </tr> <tr> <td>A112</td> <td>2.50</td> </tr> <tr> <td>A112a</td> <td>4.00</td> </tr> </table>	L		A112	2.50	A112a	4.00	C 1  <p>(CATHODE) BLACK DOT</p> <p>(ANODE) RED DOT</p> <p>NOTE: Either one or the other dots are used by the mfr.</p>	C 1a 														
L																						
A112	2.50																					
A112a	4.00																					

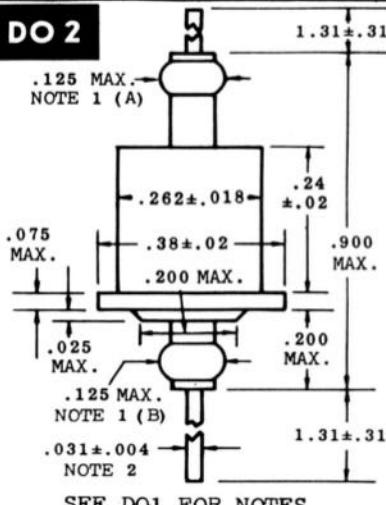
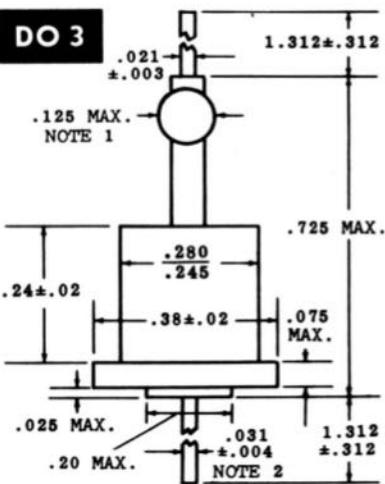
18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

C 12**C 14****C 18a****C 31****DO 1**NOTES: (for DO 1 and DO 2)

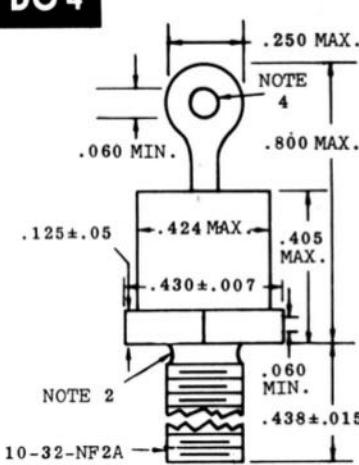
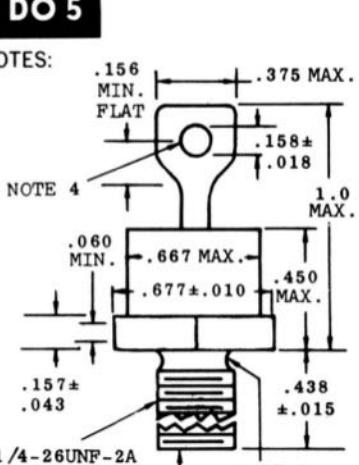
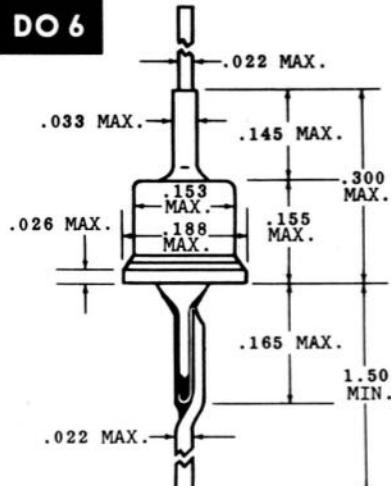
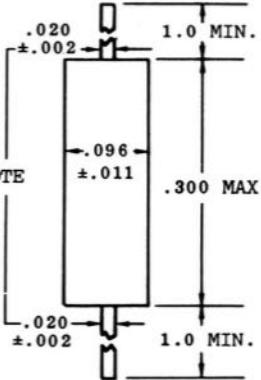
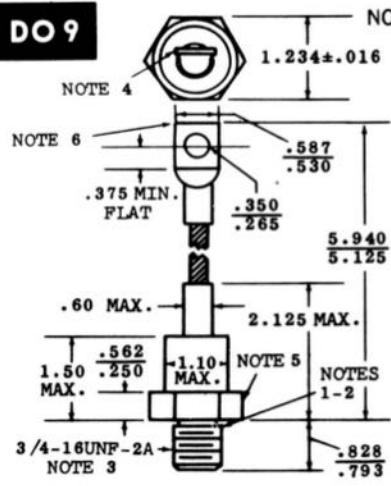
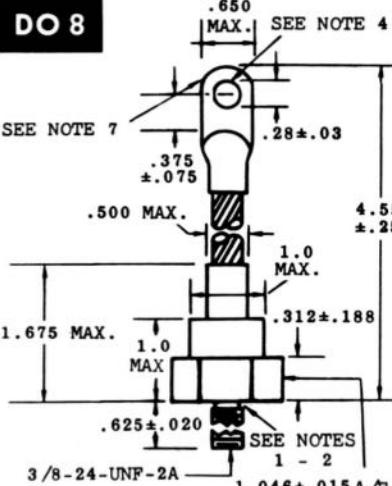
1. *Dim. to allow for pinch or seal deformation anywhere along tabulation (optional).
2. Dim. to be controlled from free end of lead to within .188 inch from the point of attachment to the body. Within the .188 inch dimension, the dia. may vary to allow for lead finishes and irregularities.

DO 2**DO 3**NOTES: (for DO 3)

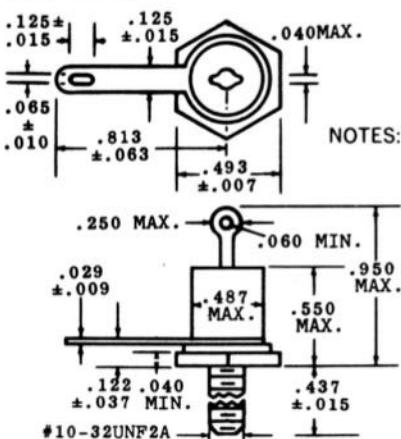
1. Dim. to allow for pinch or seal deformation anywhere along tabulation (optional).
2. Dim. to be controlled from free end of lead to within .188 inch from the point of attachment to the body. Within the .188 inch dim., the dim. may vary to allow for lead finishes and irregularities.

18. OUTLINE DRAWINGS

IN ORDER OF CASE NUMBER

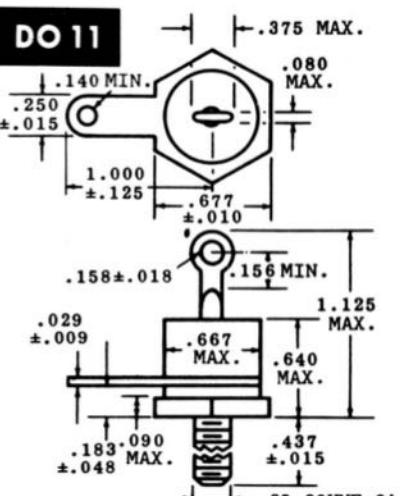
DO 4  <p>NOTES: →</p> <p><u>NOTES (for DO 4 and DO 5)</u></p> <ol style="list-style-type: none"> Unit must not be damaged by torque of 15 in-lb (30 in-lb for DO 5) applied to 10-32 NF 2B(1/4-28 UNF-2B for DO 5) nut assembled on thread. Dia. of unthreaded portion .189 max., .169 min. (.249 max., .220 min. for DO 5). Complete threads to extend to within 2 1/2 threads of head. Angular orientation of this terminal is undefined. Max. pitch dia. of plated threads shall be basic pitch dia. (.1697 for DO 4, .2268 for DO 5). Ref. (Screw thread standards for federal services 1957) Handbook H28 1957 Pt. 1. 	DO 5  <p>NOTES: →</p> <p><u>NOTES (for DO 4 and DO 5)</u></p> <ol style="list-style-type: none"> Unit must not be damaged by torque of 15 in-lb (30 in-lb for DO 5) applied to 10-32 NF 2B(1/4-28 UNF-2B for DO 5) nut assembled on thread. Dia. of unthreaded portion .189 max., .169 min. (.249 max., .220 min. for DO 5). Complete threads to extend to within 2 1/2 threads of head. Angular orientation of this terminal is undefined. Max. pitch dia. of plated threads shall be basic pitch dia. (.1697 for DO 4, .2268 for DO 5). Ref. (Screw thread standards for federal services 1957) Handbook H28 1957 Pt. 1.
DO 6  <p>NOTES: →</p>	DO 7  <p>SEE NOTE</p> <p>NOTE: Lead Dia. not to be controlled within .050 inch of the case to allow for lead finish and other irregularities.</p>
DO 9  <p>NOTES: →</p> <p><u>NOTES (for DO 9)</u></p> <ol style="list-style-type: none"> Complete threads to extend within 2 1/2 thds. of head. Dia. of unthreaded portion .67 MAX, .660 MIN. Screw Thread Standards for Federal Services(1957 Handbook H28 Part 1) apply to UNF-2A thread (plated). Max. pitch dia.- .7094 Angular orientation of this terminal is undefined. A chamfer(or undercut) on one or both ends of hexagonal portions is optional. Square or radius on end of terminal is undefined. 	DO 8  <p>SEE NOTE 7</p> <p>SEE NOTES 1 - 2</p> <p>NOTES: →</p> <p><u>NOTES (for DO 8)</u></p> <ol style="list-style-type: none"> Complete threads to extend to within 2 1/2 threads of head. Dia. of unthreaded portion .3479 Max., .3475 Min. Screw thd. standards for federal services (1957 Hand- book H28 Pt. 1) apply to UNF-2A thd. Angular orientation of this terminal is undefined. Unit will not be damaged by torque of 100 lb.-in. applied to a non-lubricated 3/8-24-UNF-2B nut assembled on thd. A Chamfer(or undercut) on one or both ends of hexagonal portions is optional. Square or Radius on end of terminal is optional. Flexible lead.

18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

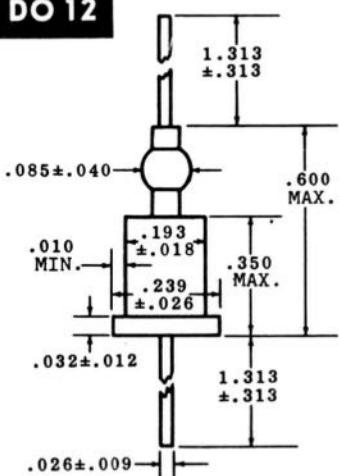
DO 10

NOTES: (for DO 10)

- Unit must not be damaged by torque of 15 in-lb applied to 10-32 UNF-2B nut assembled on thread.
- Dia. of unthreaded portion .189 in. max; .163 in. min.
- Complete threads to extend to within 2 1/2 threads of head.
- Angular orientation of terminals is undefined.
- Max. pitch dia. of plated threads shall be basic pitch dia. (.1697 in.) reference (screw thread standards for fed. services 1957) handbook H 28 1957 Pt. 6. Square of radius on ends of terminals is optional.

DO 11

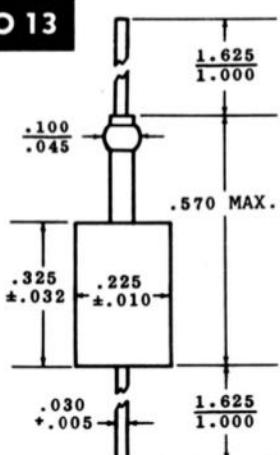
NOTES:

DO 12

NOTES: →

NOTES: (for DO 12)

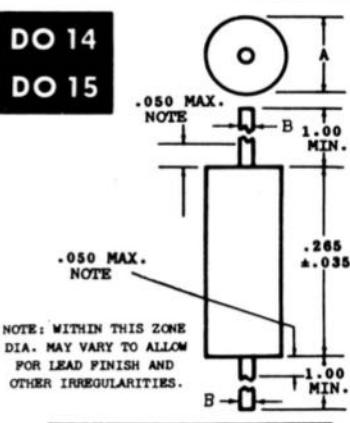
- Dim. to allow for pinch or seal deformation anywhere along tubulation (optional).
- Dim. to be controlled from free end of lead to within .188 inches from the point of attachment to the body. Within the .188 inch dimension, the dia. may vary to allow for lead finishes and irregularities.

DO 13

NOTES: →

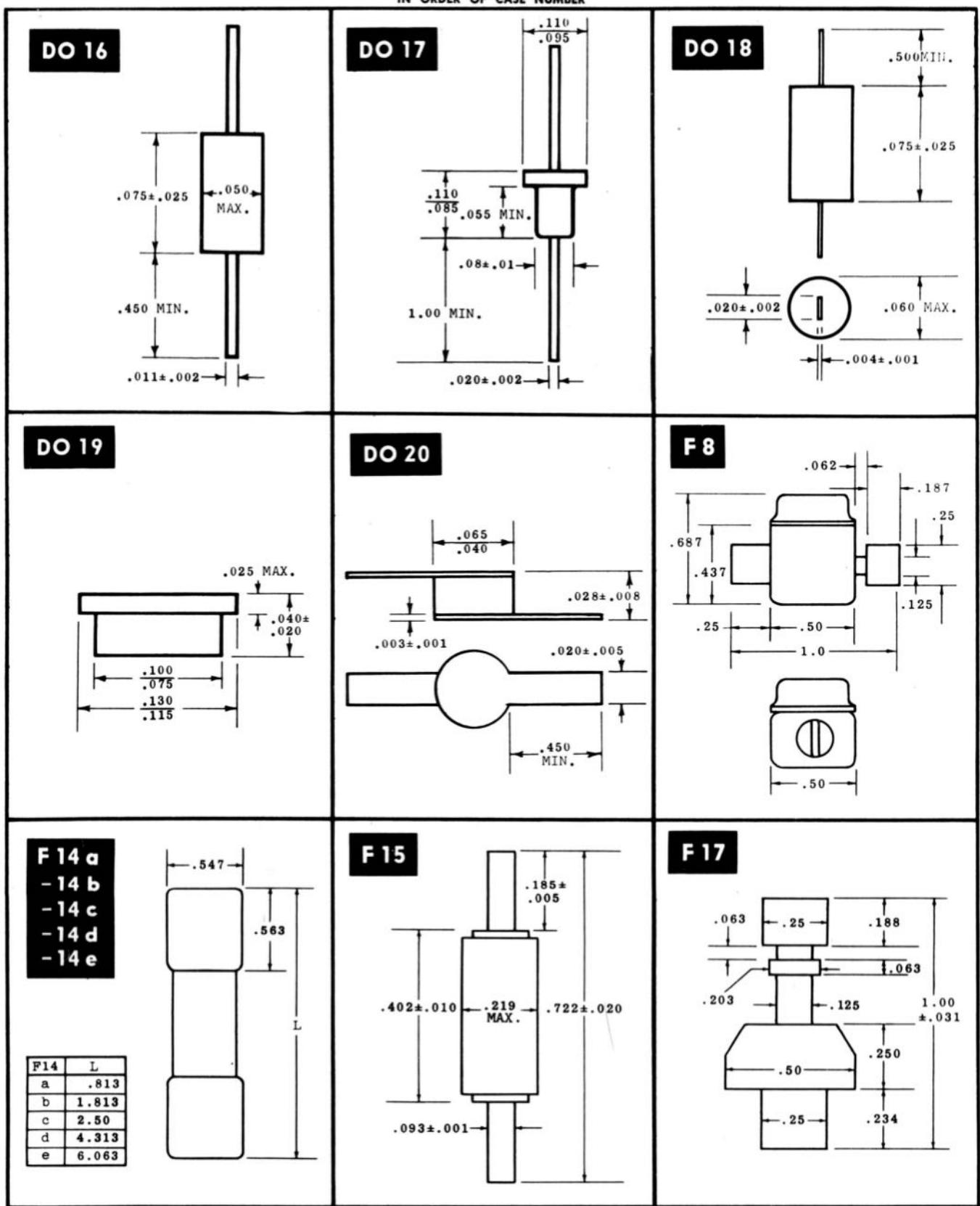
NOTES: (for DO 13)

- The major diameter is essentially constant along its length.
- Diameter to be controlled from the end of lead to within .188 inch from the point of attachment to the body. Within the .188 inch dimension the dia. may vary to allow for lead finishes and irregularities.
- Diameter to allow for pitch or seal deformation anywhere along tubulation.

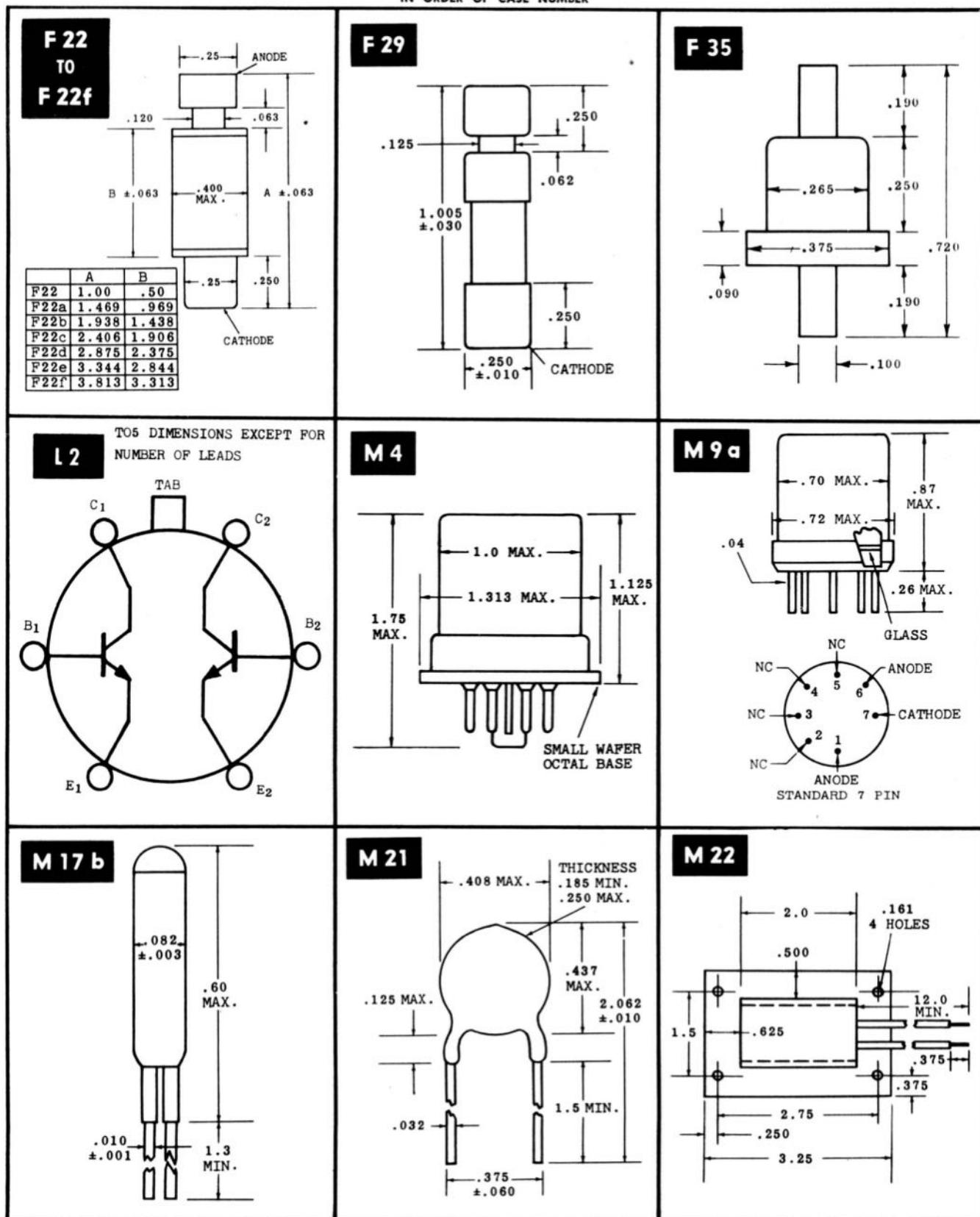
DO 14**DO 15**

18. OUTLINE DRAWINGS

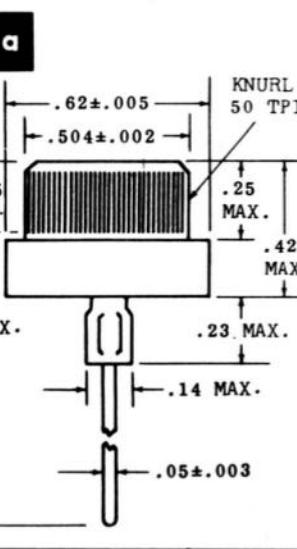
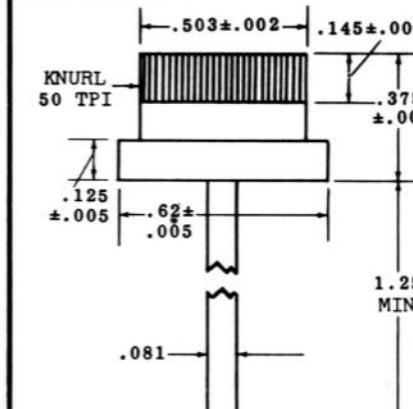
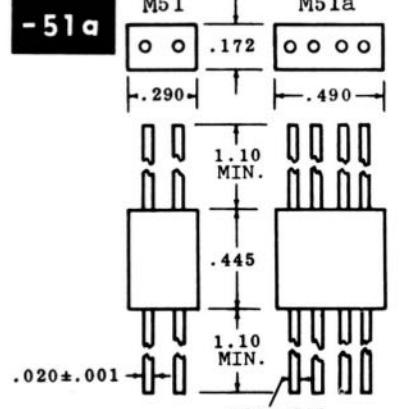
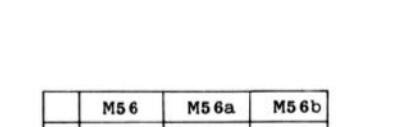
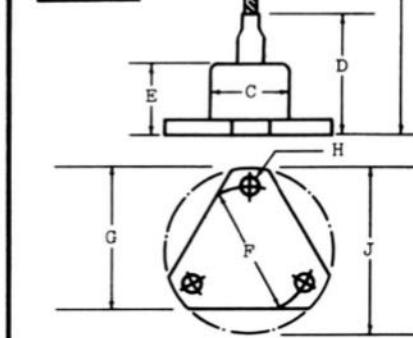
IN ORDER OF CASE NUMBER



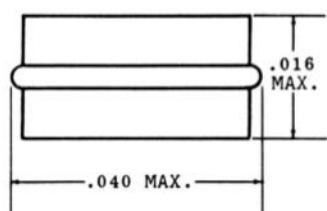
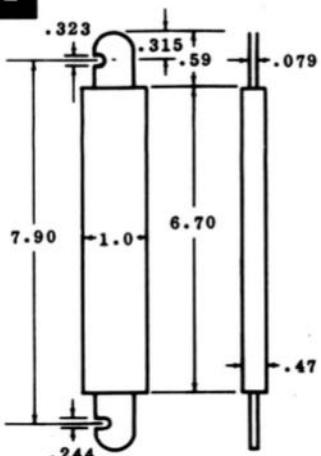
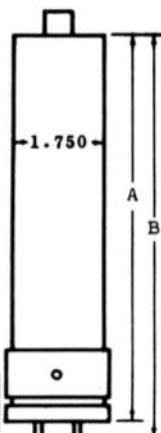
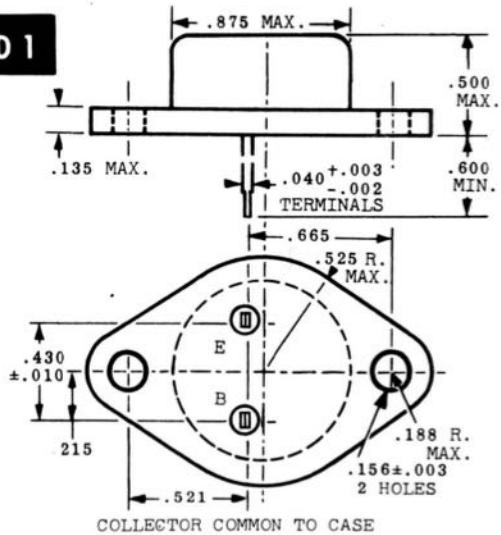
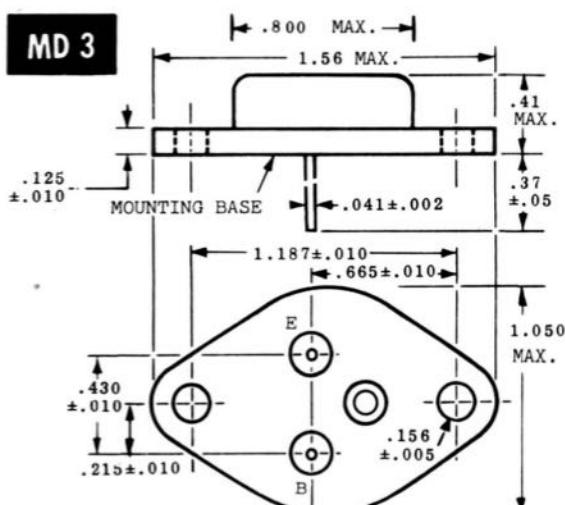
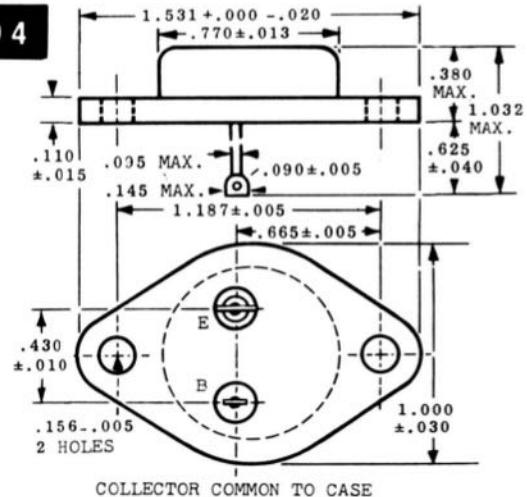
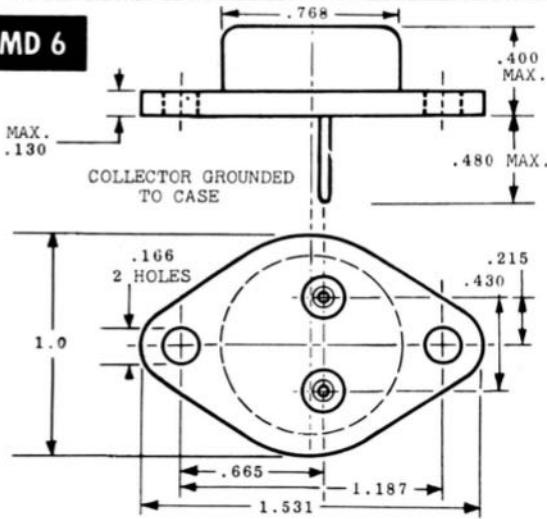
18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

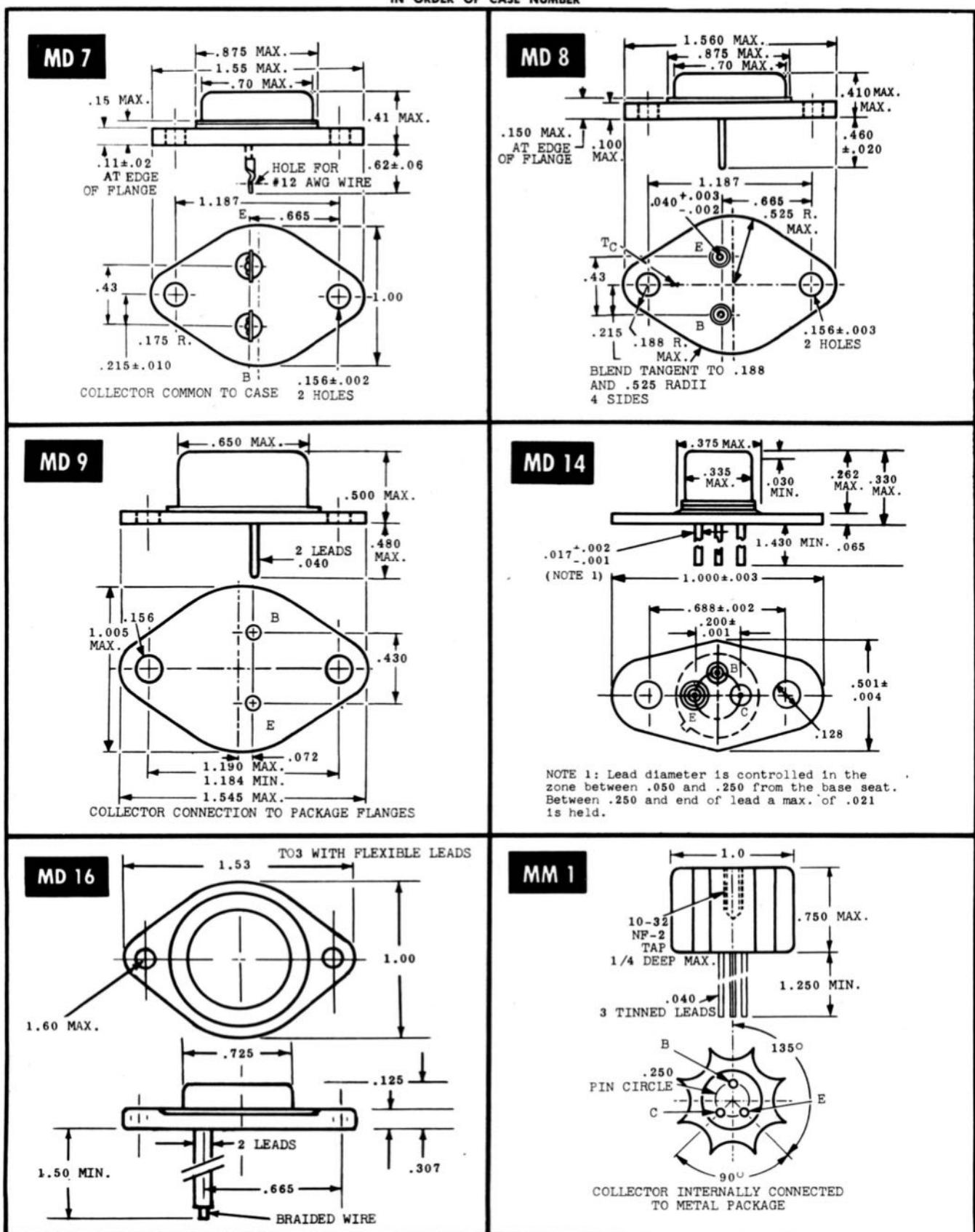
M 38 a		M 38 b	M 51 -51 a																																																																
																																																																			
M 54 a T0 - 54 I		M 56 T0 - 56 b																																																																	
	<table border="1" data-bbox="246 1510 355 1848"> <thead> <tr> <th></th> <th>L</th> </tr> </thead> <tbody> <tr> <td>M 54a</td> <td>.25</td> </tr> <tr> <td>M 54b</td> <td>.35</td> </tr> <tr> <td>M 54c</td> <td>.45</td> </tr> <tr> <td>M 54d</td> <td>.55</td> </tr> <tr> <td>M 54e</td> <td>.65</td> </tr> <tr> <td>M 54f</td> <td>.75</td> </tr> <tr> <td>M 54g</td> <td>.85</td> </tr> <tr> <td>M 54h</td> <td>1.05</td> </tr> <tr> <td>M 54j</td> <td>1.25</td> </tr> <tr> <td>M 54k</td> <td>1.45</td> </tr> <tr> <td>M 54l</td> <td>1.65</td> </tr> </tbody> </table>		L	M 54a	.25	M 54b	.35	M 54c	.45	M 54d	.55	M 54e	.65	M 54f	.75	M 54g	.85	M 54h	1.05	M 54j	1.25	M 54k	1.45	M 54l	1.65		<table border="1" data-bbox="1139 1510 1552 1848"> <thead> <tr> <th></th> <th>M 56</th> <th>M 56a</th> <th>M 56b</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>3.250</td> <td>3.625</td> <td>5.250</td> </tr> <tr> <td>B</td> <td>.203</td> <td>.266</td> <td>.531</td> </tr> <tr> <td>C</td> <td>.688</td> <td>1.250</td> <td>1.750</td> </tr> <tr> <td>D</td> <td>1.188</td> <td>1.656</td> <td>1.250</td> </tr> <tr> <td>E</td> <td>.656</td> <td>.875</td> <td>2.188</td> </tr> <tr> <td>F</td> <td>1.250</td> <td>1.877</td> <td>2.375</td> </tr> <tr> <td>G</td> <td>1.344</td> <td>1.970</td> <td>2.438</td> </tr> <tr> <td>H</td> <td>.171</td> <td>.203</td> <td>.203</td> </tr> <tr> <td>J</td> <td>1.625</td> <td>2.250</td> <td>2.750</td> </tr> </tbody> </table>		M 56	M 56a	M 56b	A	3.250	3.625	5.250	B	.203	.266	.531	C	.688	1.250	1.750	D	1.188	1.656	1.250	E	.656	.875	2.188	F	1.250	1.877	2.375	G	1.344	1.970	2.438	H	.171	.203	.203	J	1.625	2.250	2.750
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18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

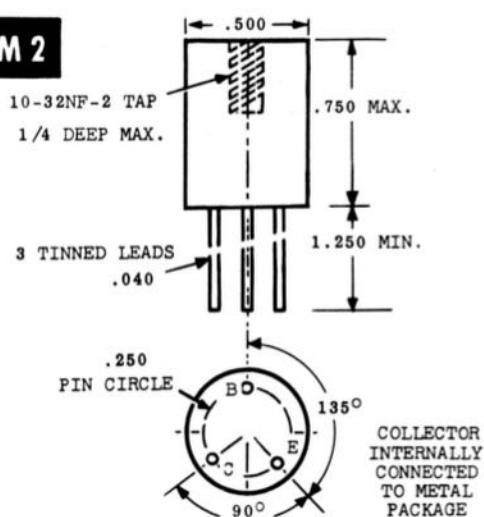
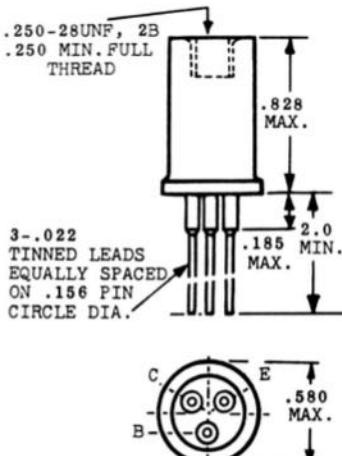
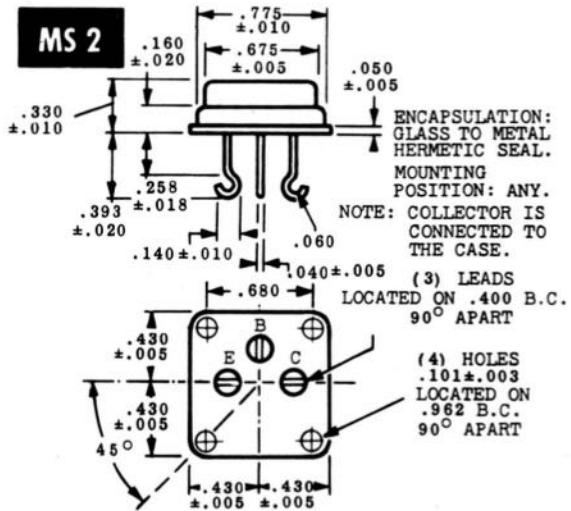
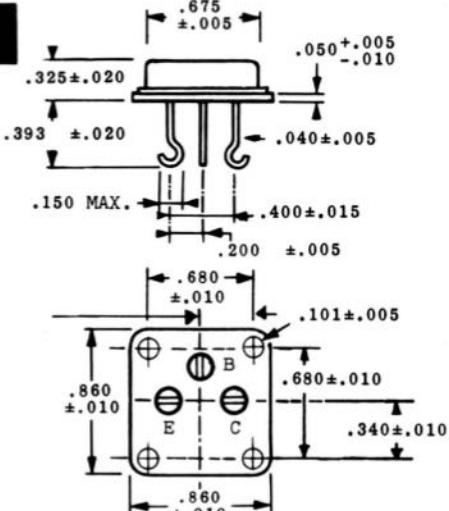
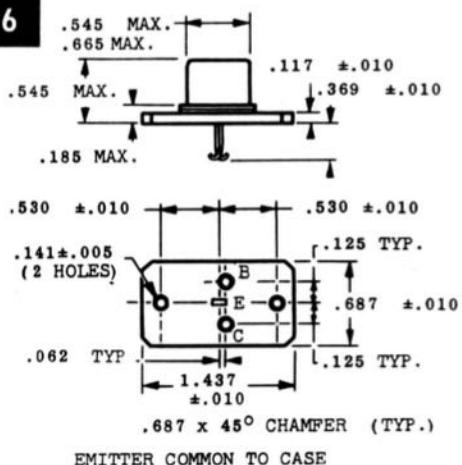
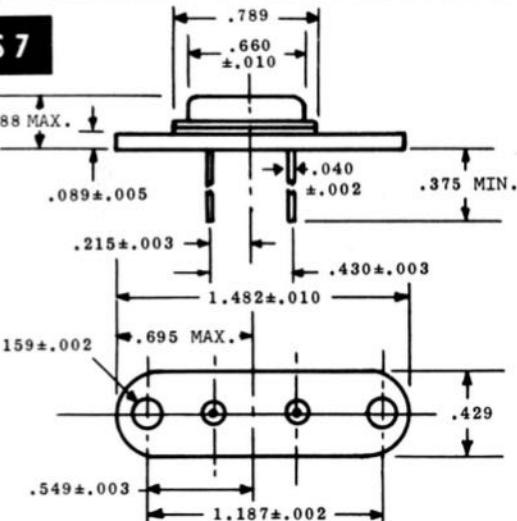
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18. OUTLINE DRAWINGS

IN ORDER OF CASE NUMBER

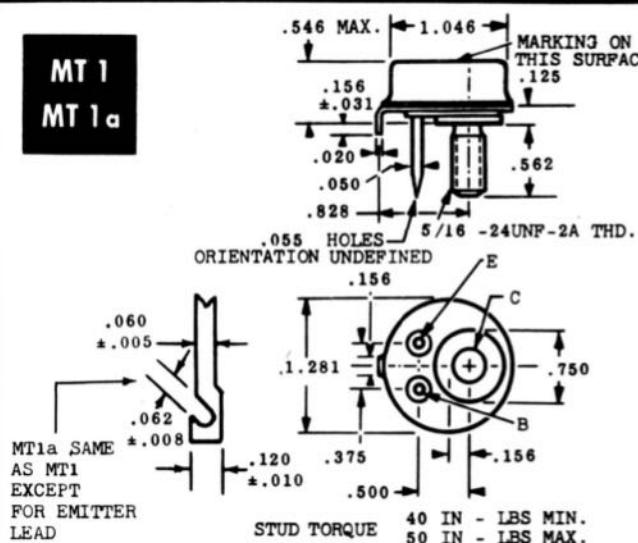


18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

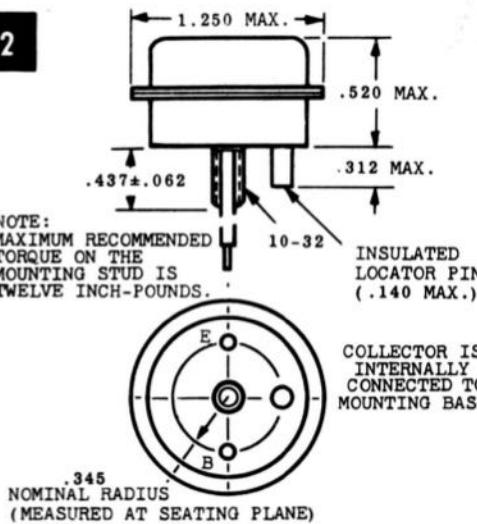
MM 2**MM 3****MS 2****MS 3****MS 6****MS 7**

18. OUTLINE DRAWINGS

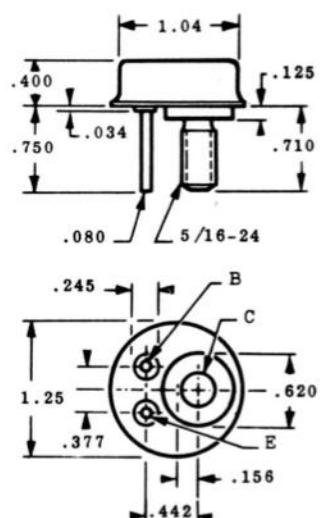
IN ORDER OF CASE NUMBER

MT 1
MT 1a

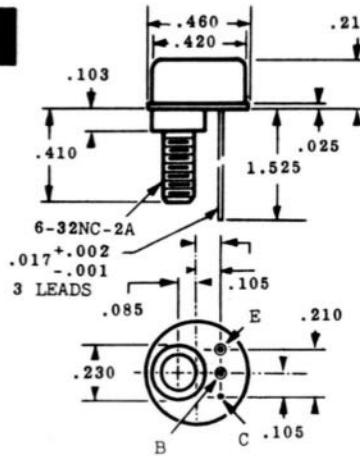
MT 2



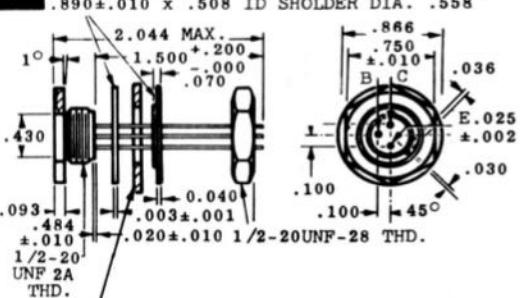
MT 3



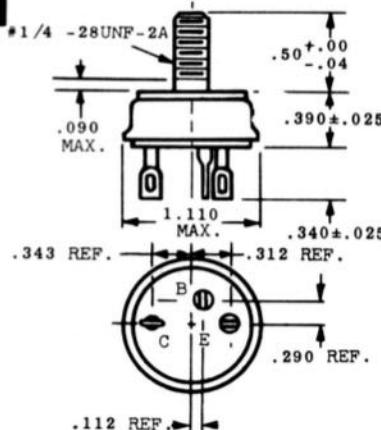
MT 5



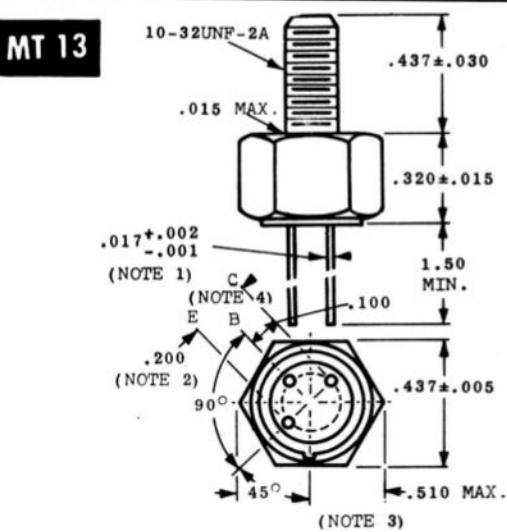
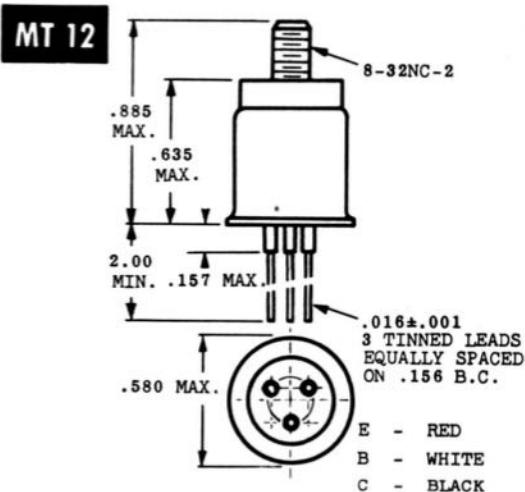
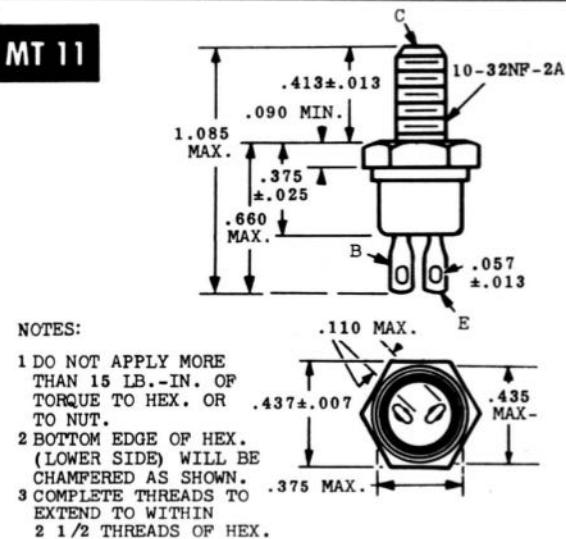
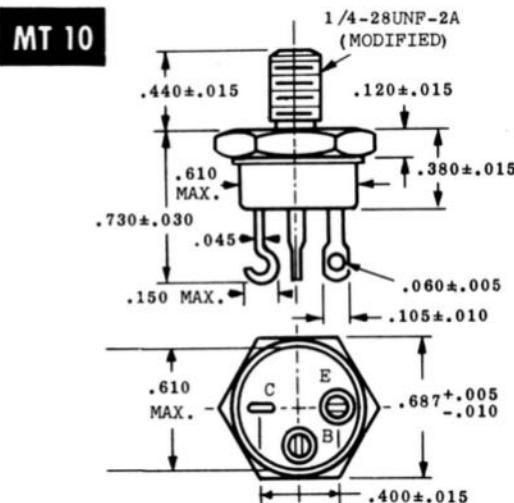
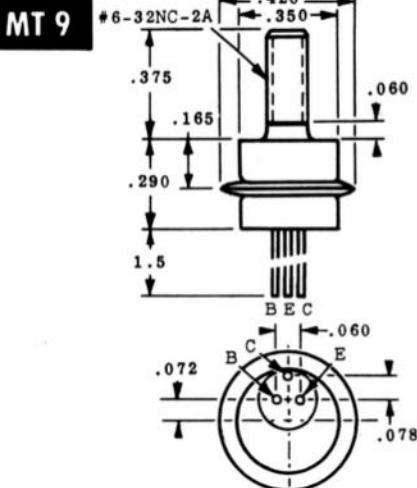
MT 6

ELECTRICAL ISOLATION WASHERS OPTIONAL
.890±.010 x .508 ID SHOULDER DIA. .558WHEN ASSEMBLY IS MOUNTED DIRECT TO CHASSIS
THE CHASSIS HOLE SHALL BE 1/2 DIAMETER.IF ISOLATION WASHERS ARE USED THE CHASSIS
HOLE SHALL BE 9/16 DIAMETER.UNLESS OTHERWISE NOTED
ALL DIMENSIONS WILL BE ±.005

MT 7



18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



NOTES FOR MT-13:

1. The specified lead diameter applies in a zone between .050 and .250 from the base seat. Between .250 and 1.5 a maximum of .021 diameter is held. Outside of these zones the lead diameter is not controlled.

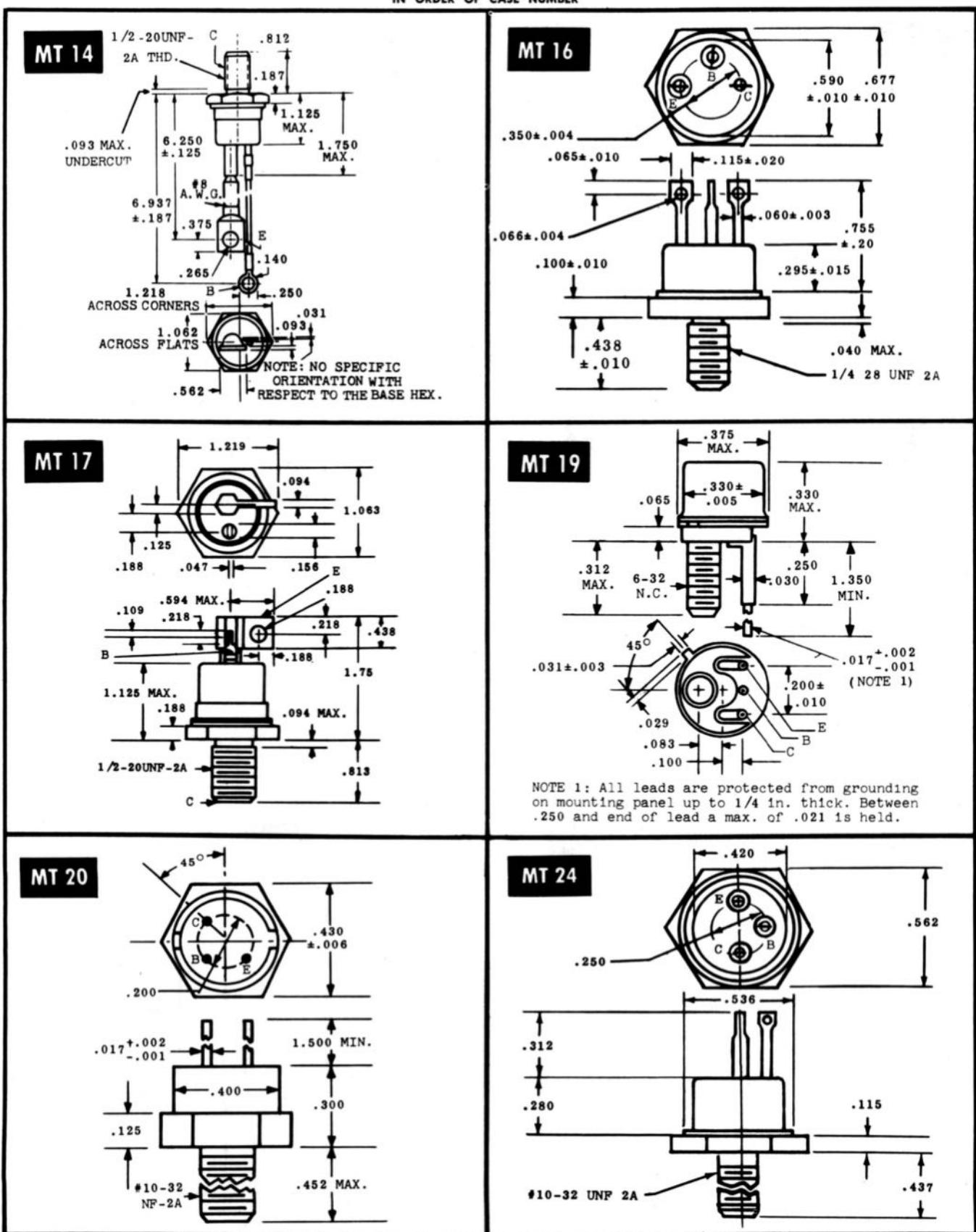
2. Leads having maximum diameter (.019) measured in gaging plane .054 ± .001 below base seat of the device shall be within .007 of their true location relative to the maximum diameter (.510) circumscribing the hex.

3. The position of the leads in relation to the hex flats is not controlled.

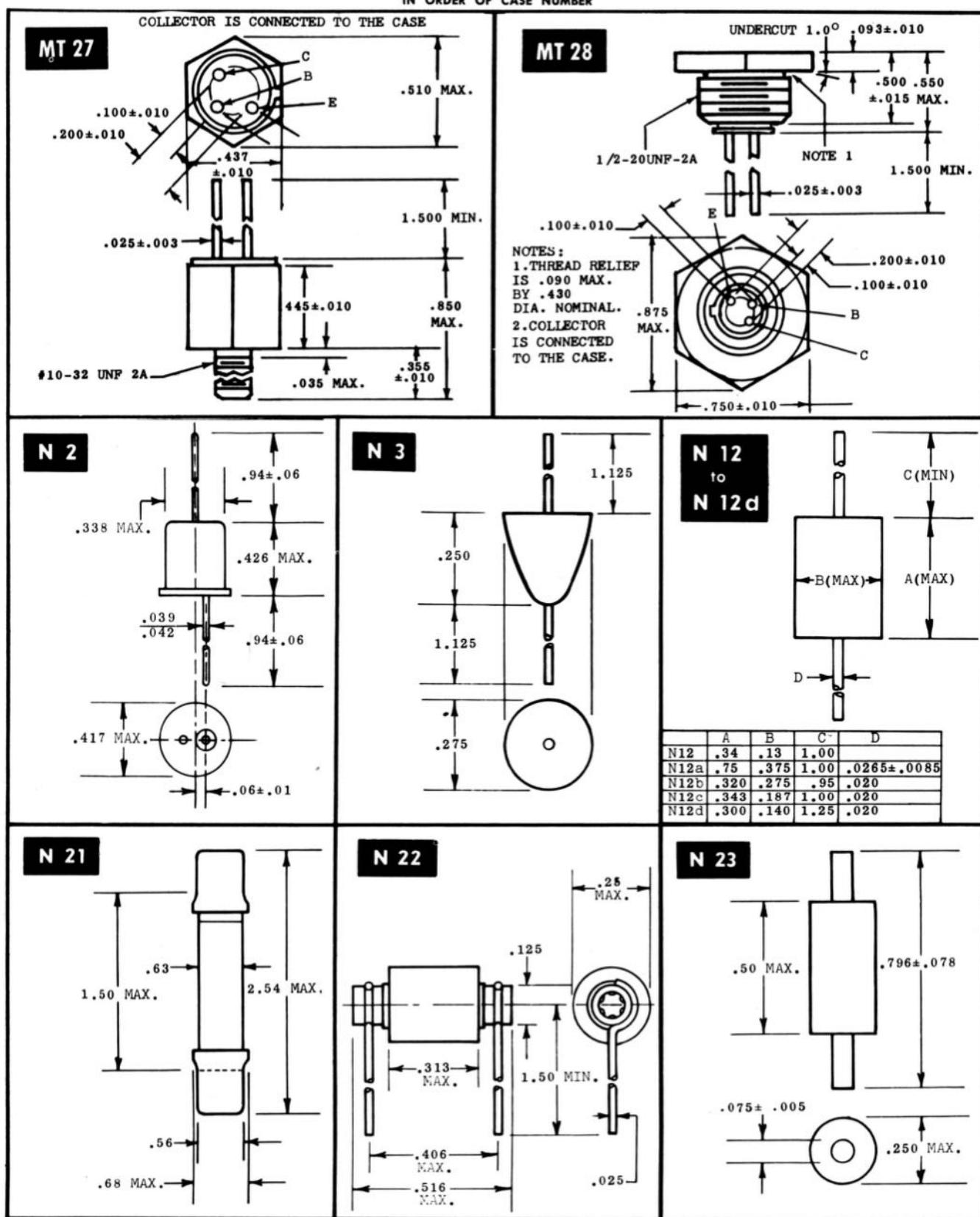
4. The collector is electrically connected to the case.

18. OUTLINE DRAWINGS

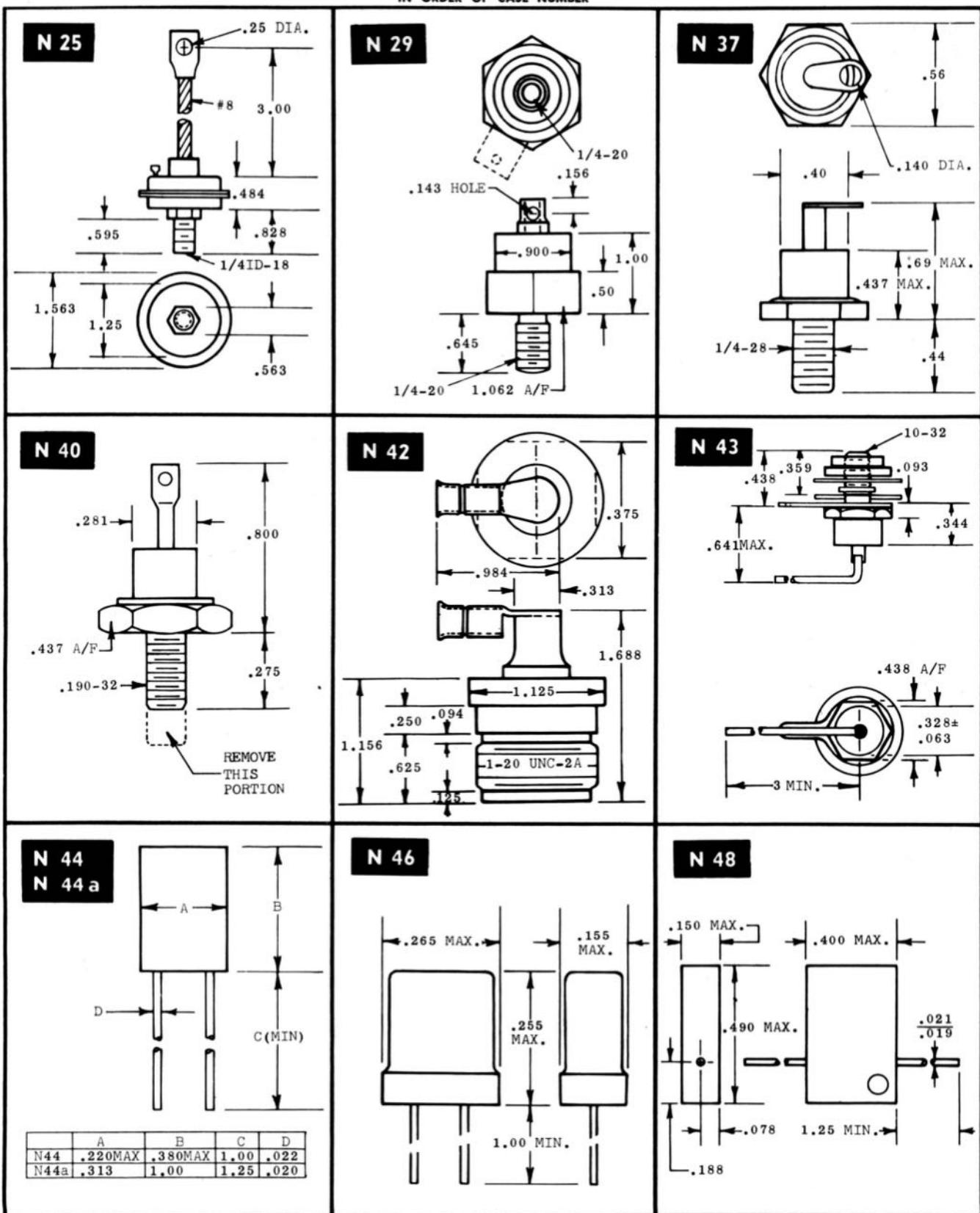
IN ORDER OF CASE NUMBER



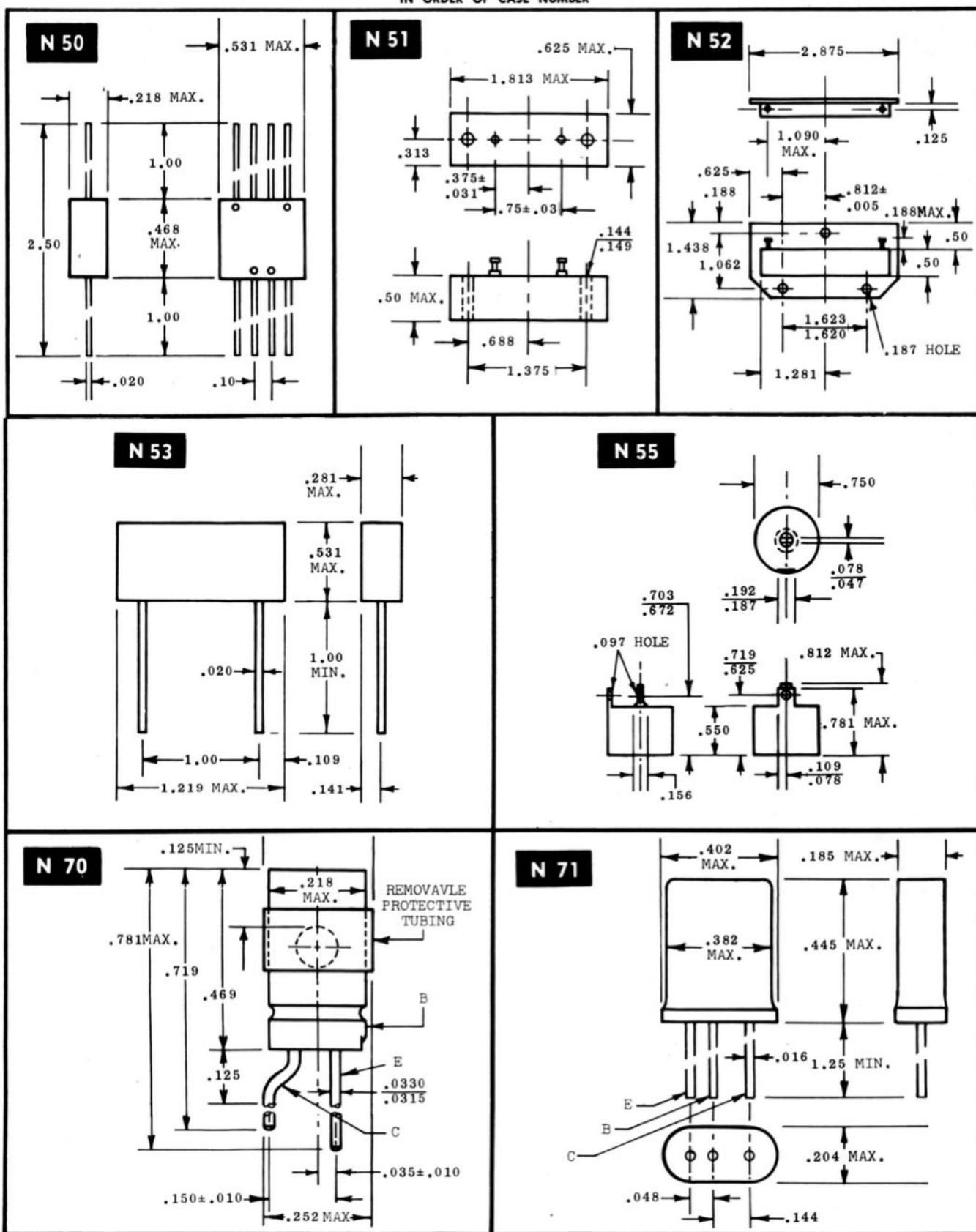
18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



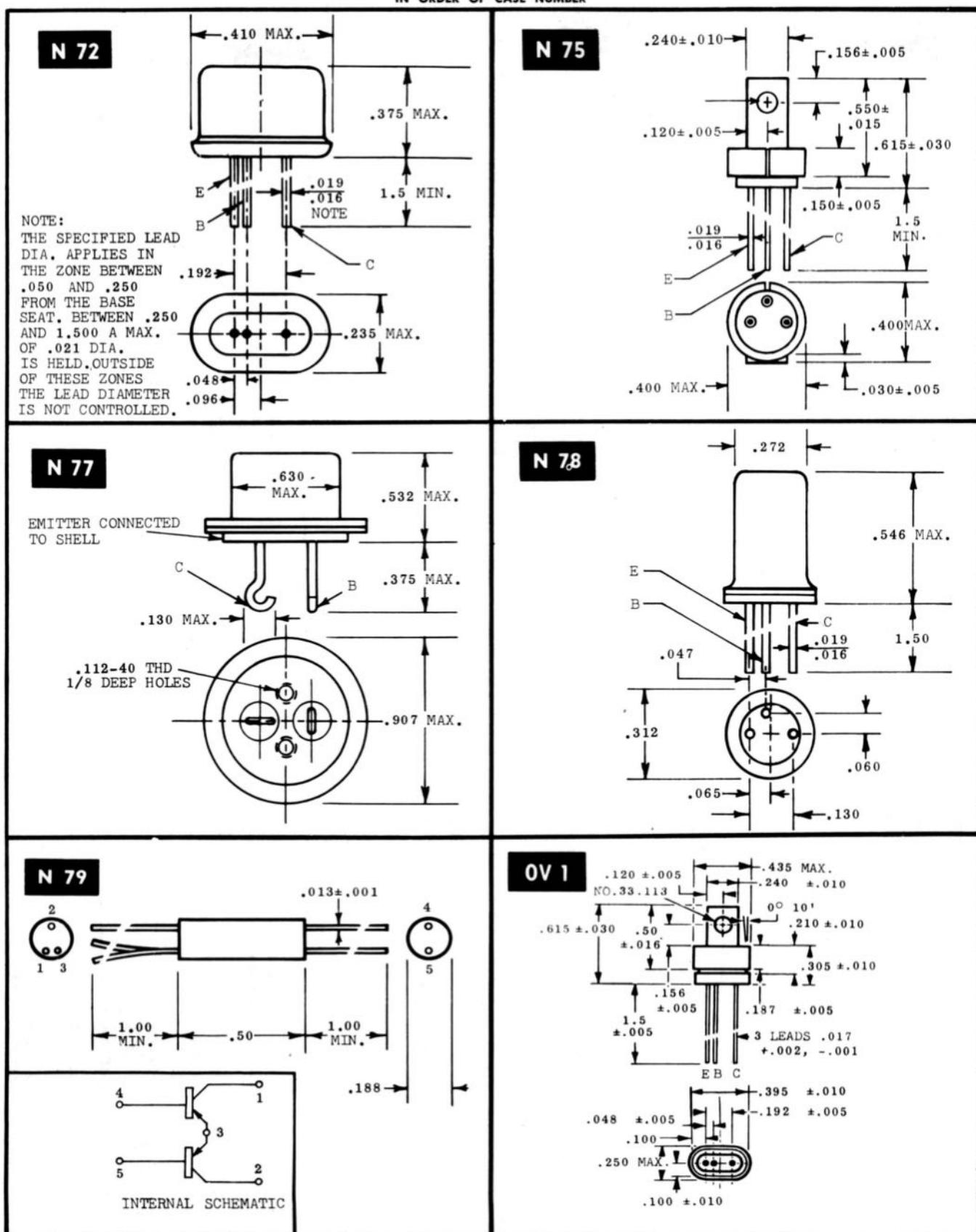
18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

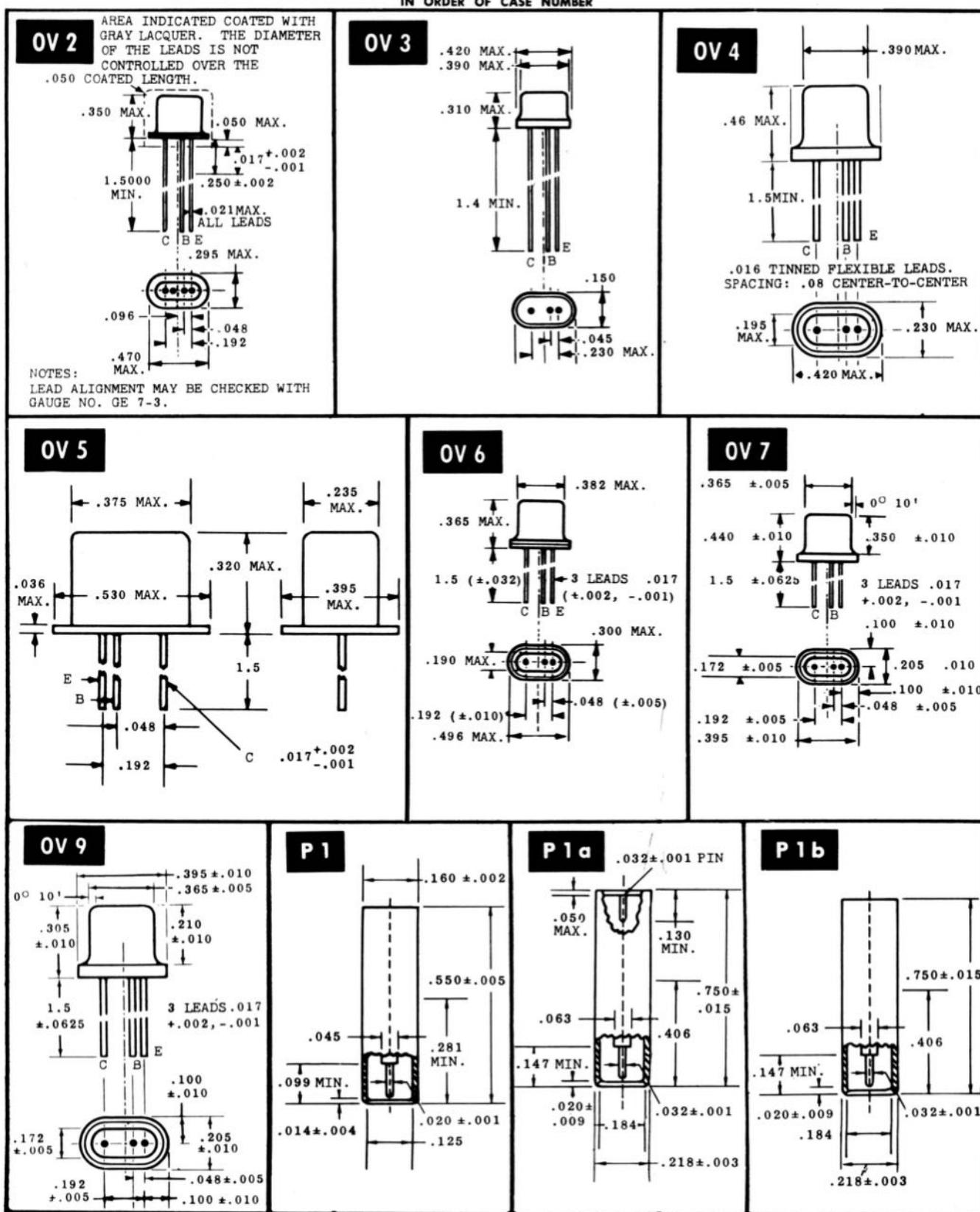


18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

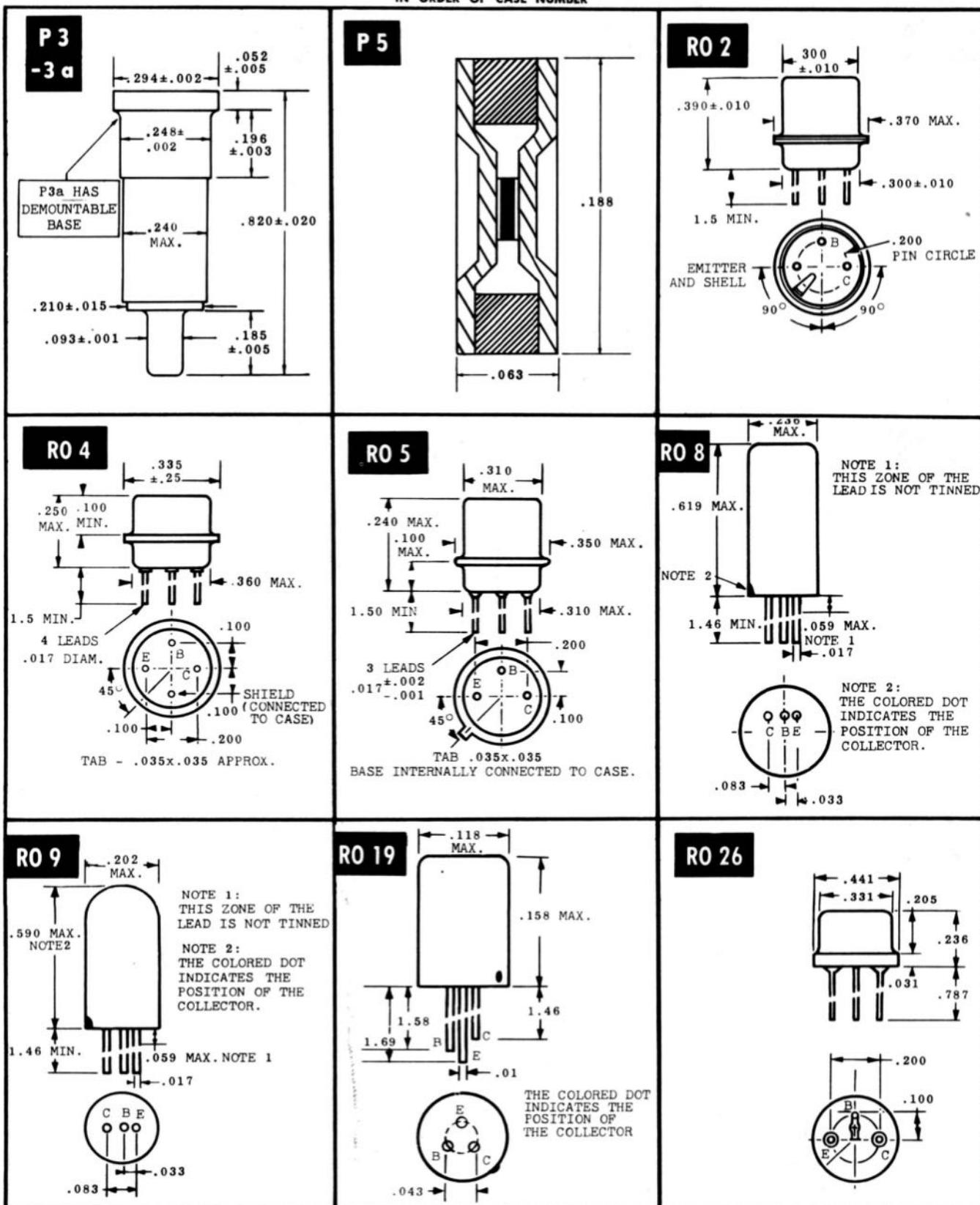


18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

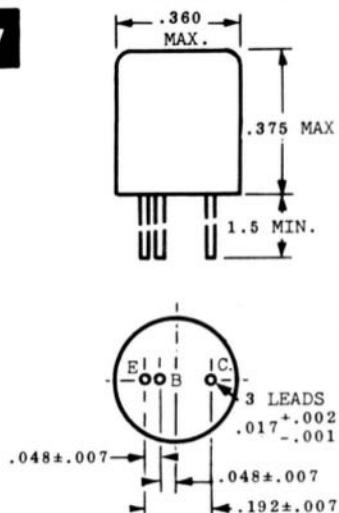
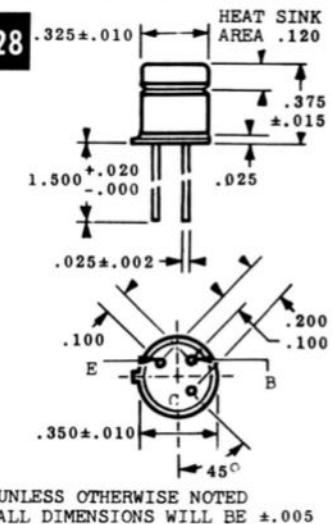
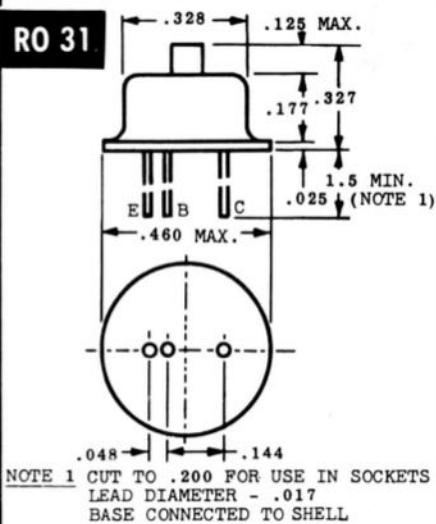
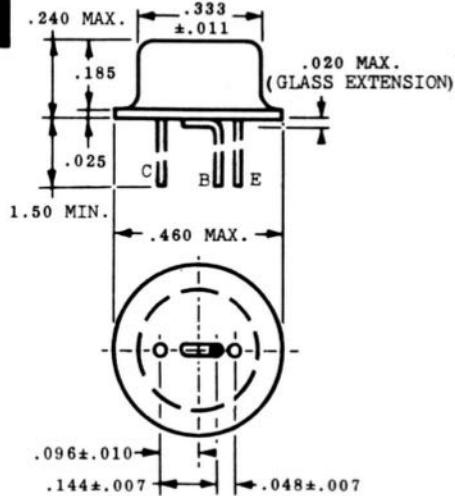
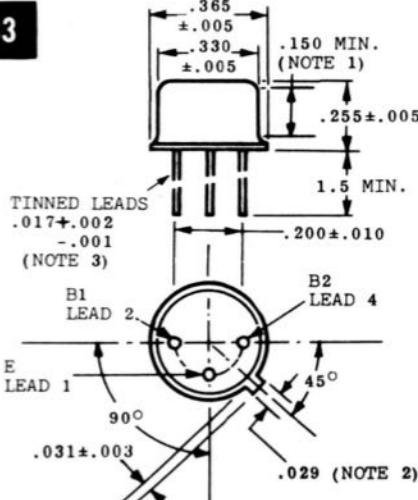
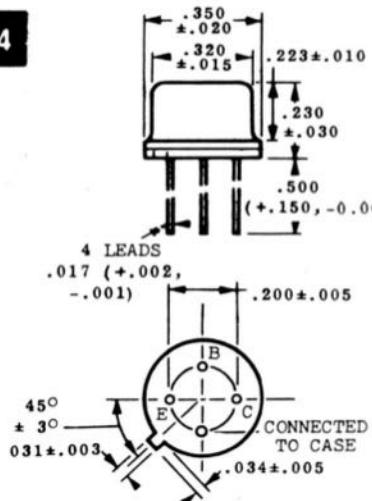


18. OUTLINE DRAWINGS
IN ORDER OF CASE NUMBER

18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

RO 27**RO 28****RO 31****RO 32****RO 33****RO 34****NOTES FOR RO-33:****NOTE 1:**

This zone is controlled for automatic handling. The variation in actual diameter within this zone shall not exceed .010.

NOTE 2:

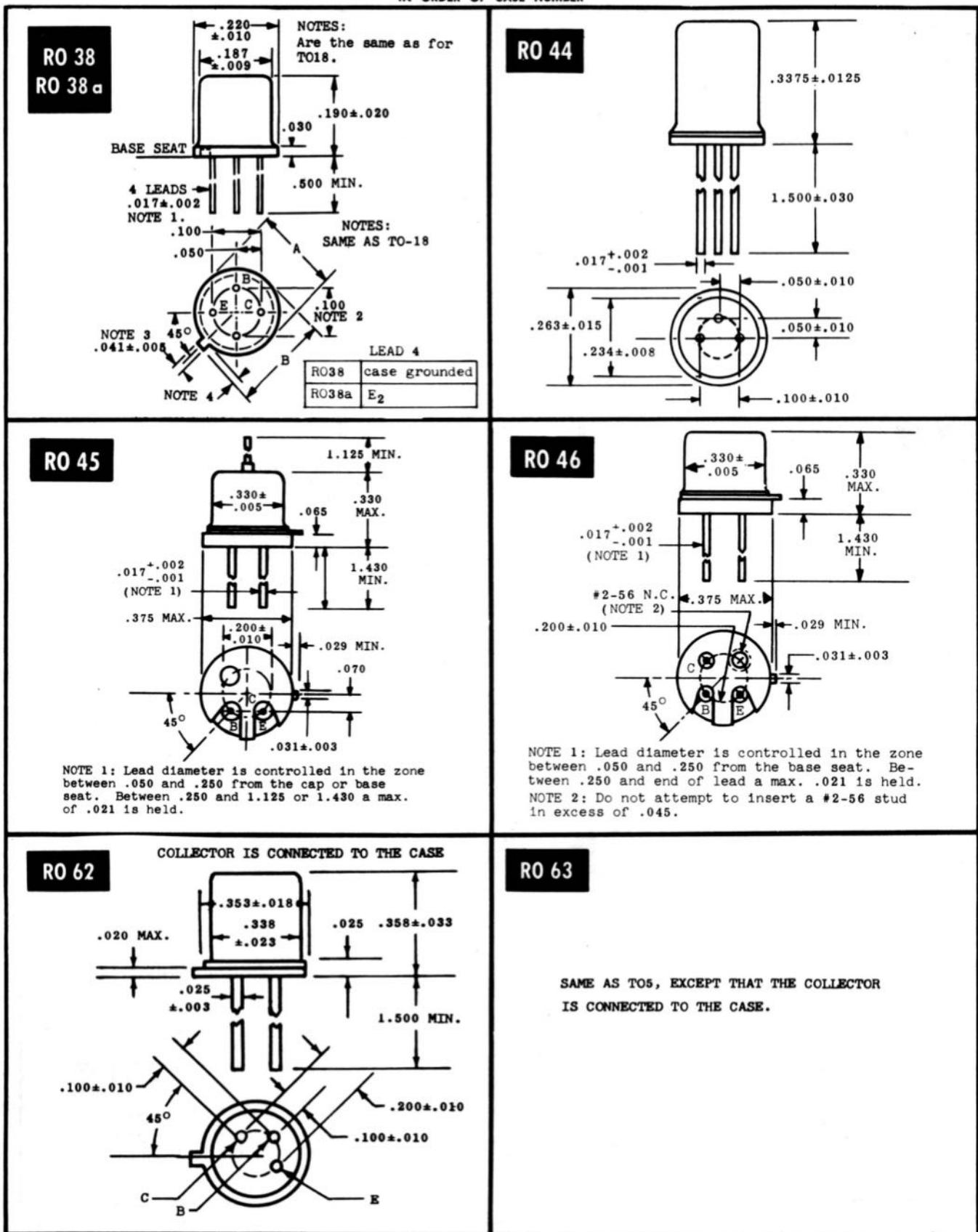
Measured from max. diameter of the actual device.

NOTE 3:

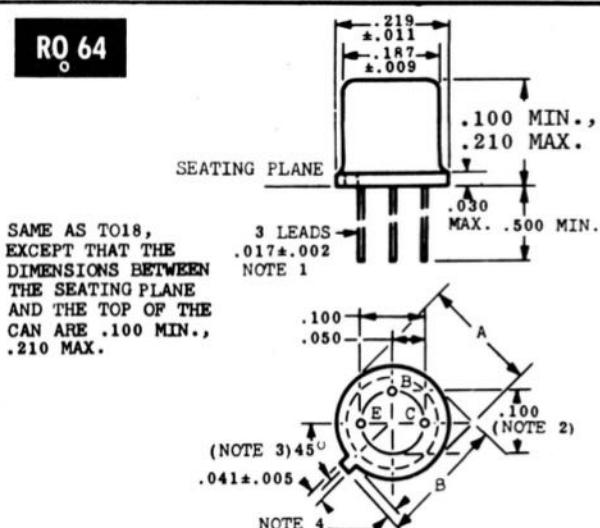
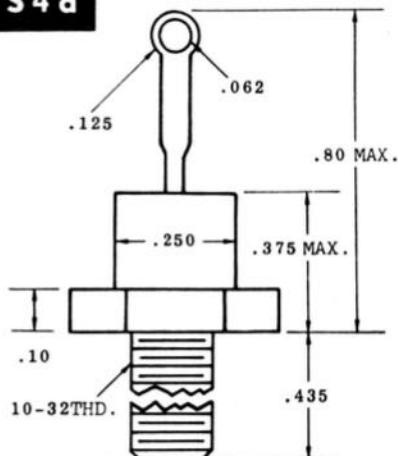
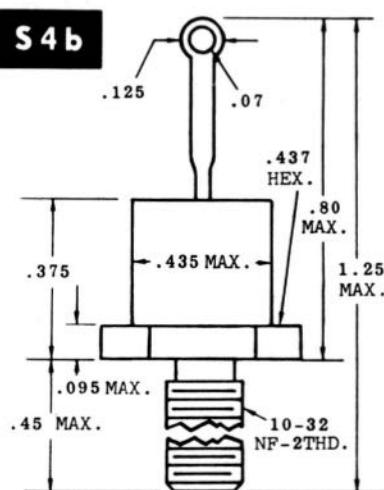
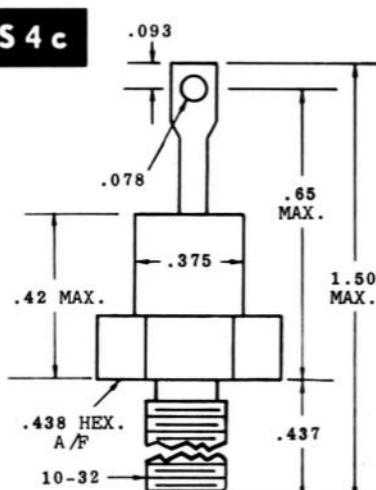
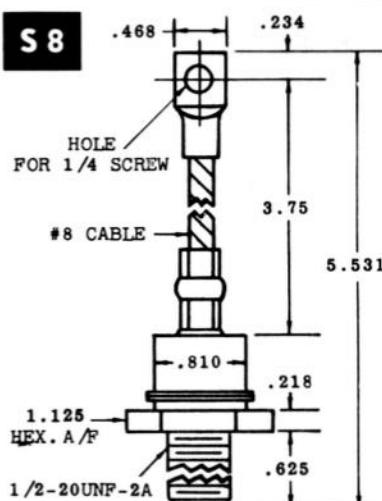
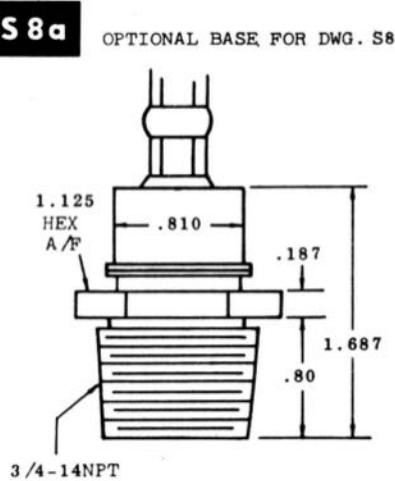
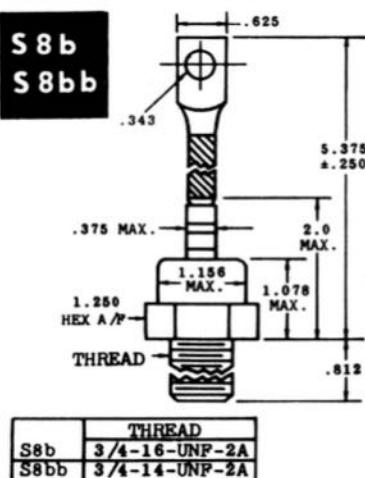
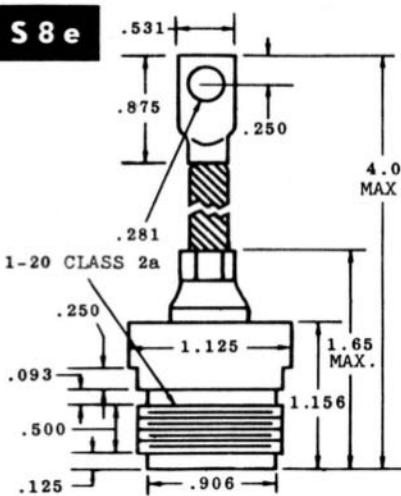
The specified lead diameter applies in the zone between .050 and .250 from the base seat. Between .250 and 1.5 max. of .021 diameter is held. Outside of these zones the lead diameter is not controlled.

18. OUTLINE DRAWINGS

IN ORDER OF CASE NUMBER

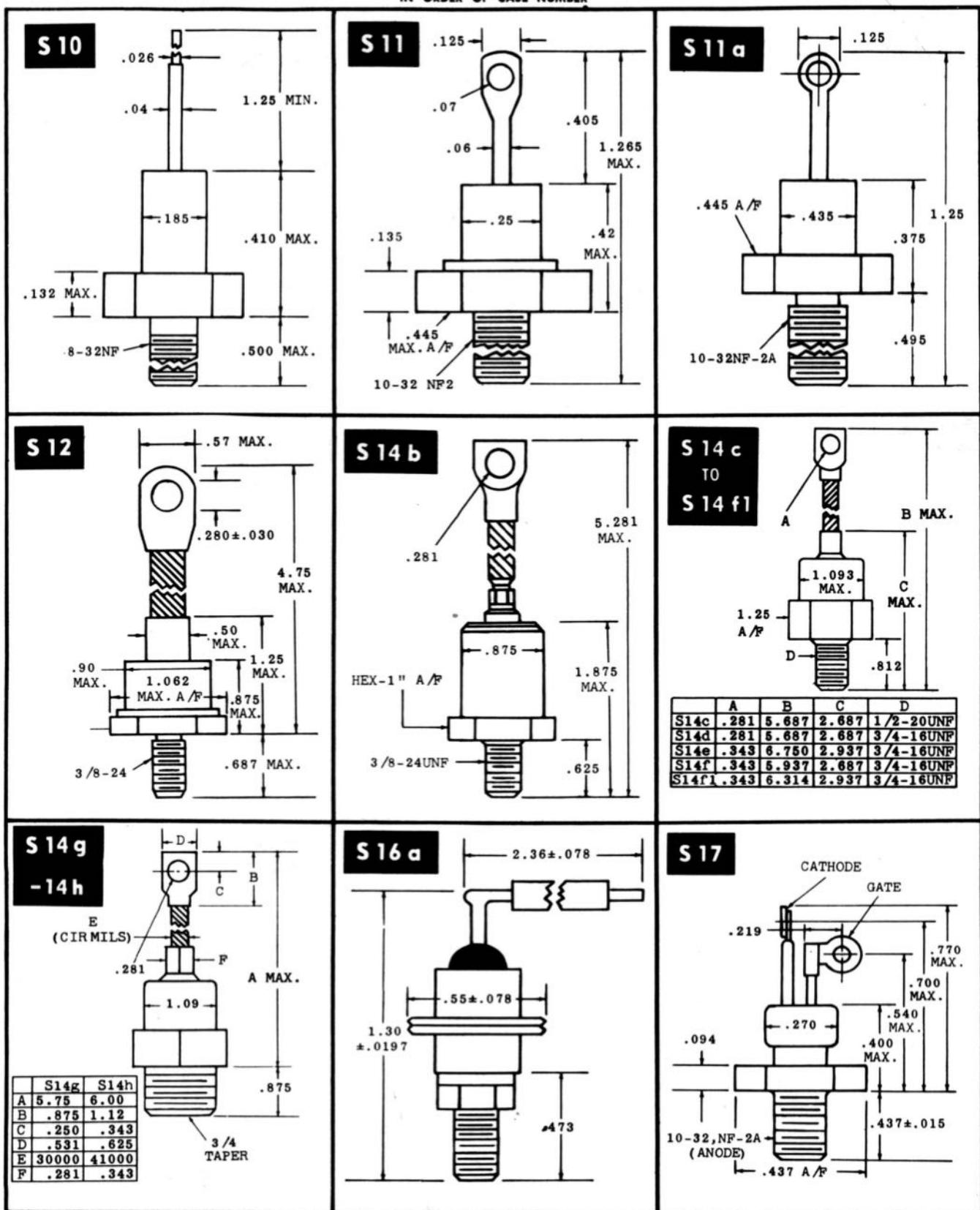


18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

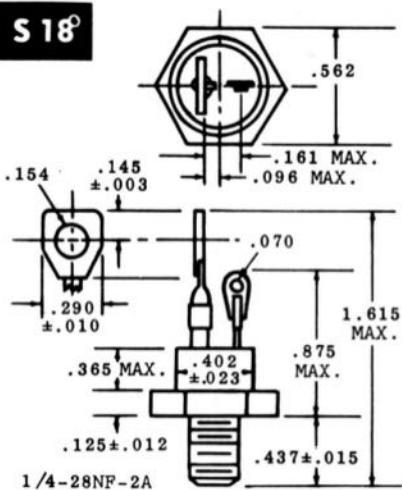
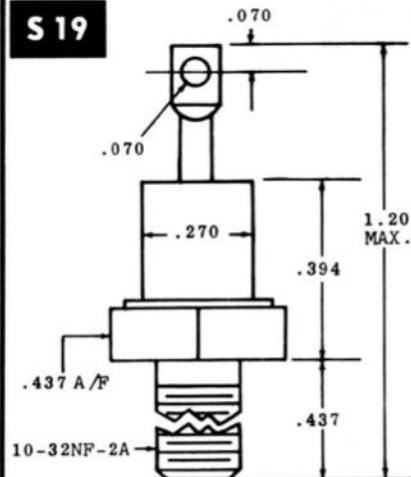
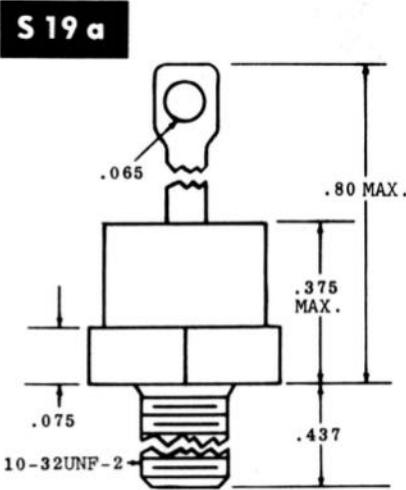
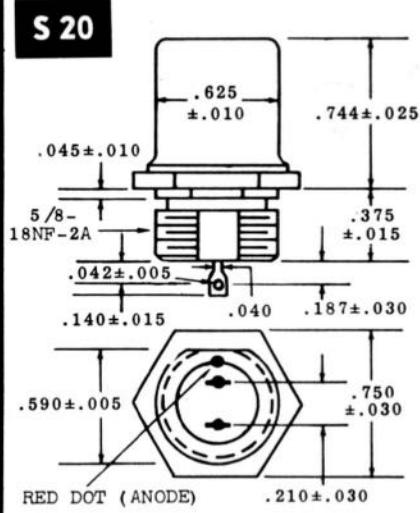
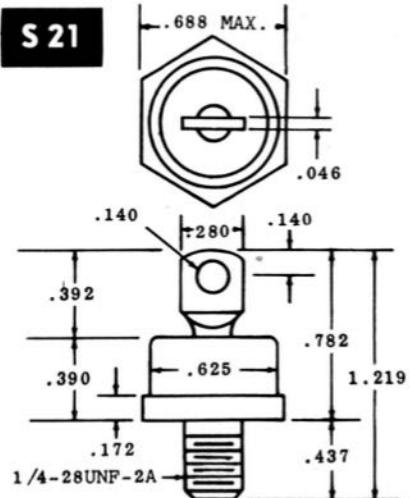
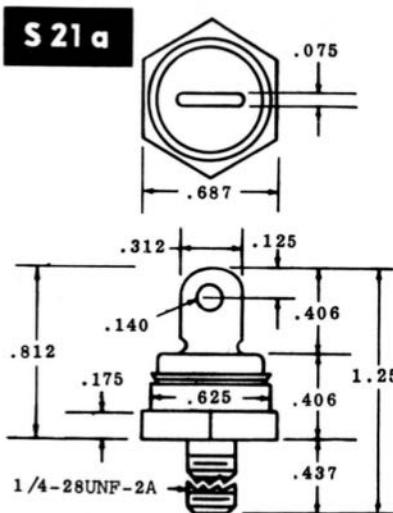
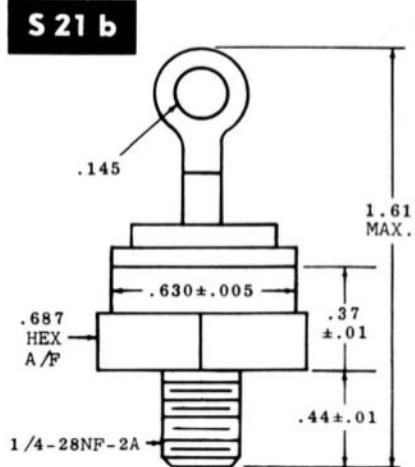
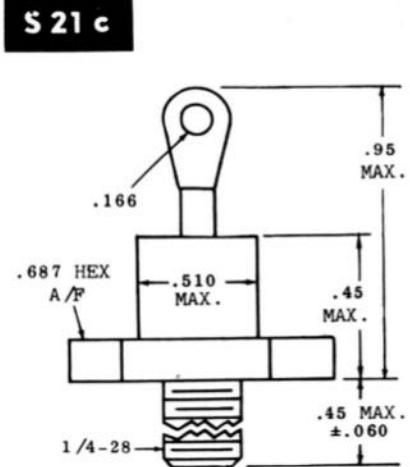
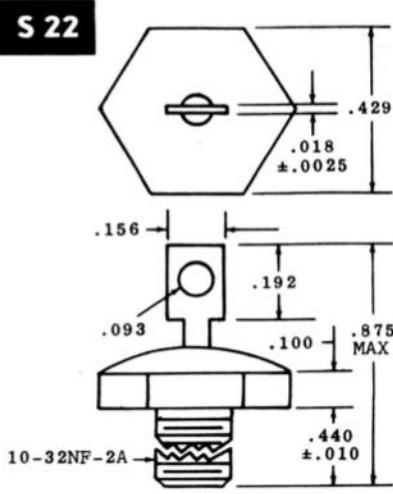
R0 64**S 4 a****S 4 b****S 4 c****S 8****S 8 a****S 8 b
S 8 bb****S 8 e**

18. OUTLINE DRAWINGS

IN ORDER OF CASE NUMBER

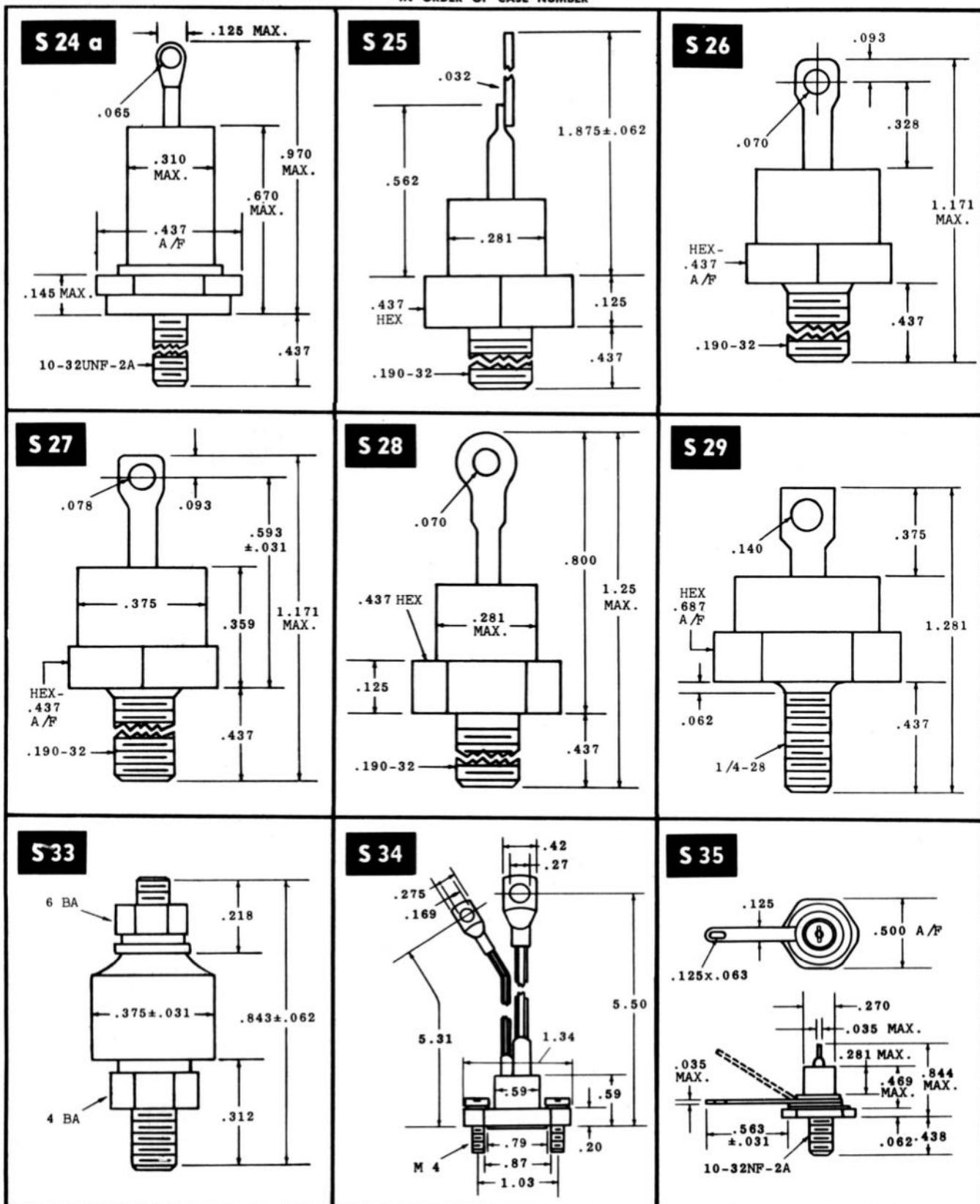


18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

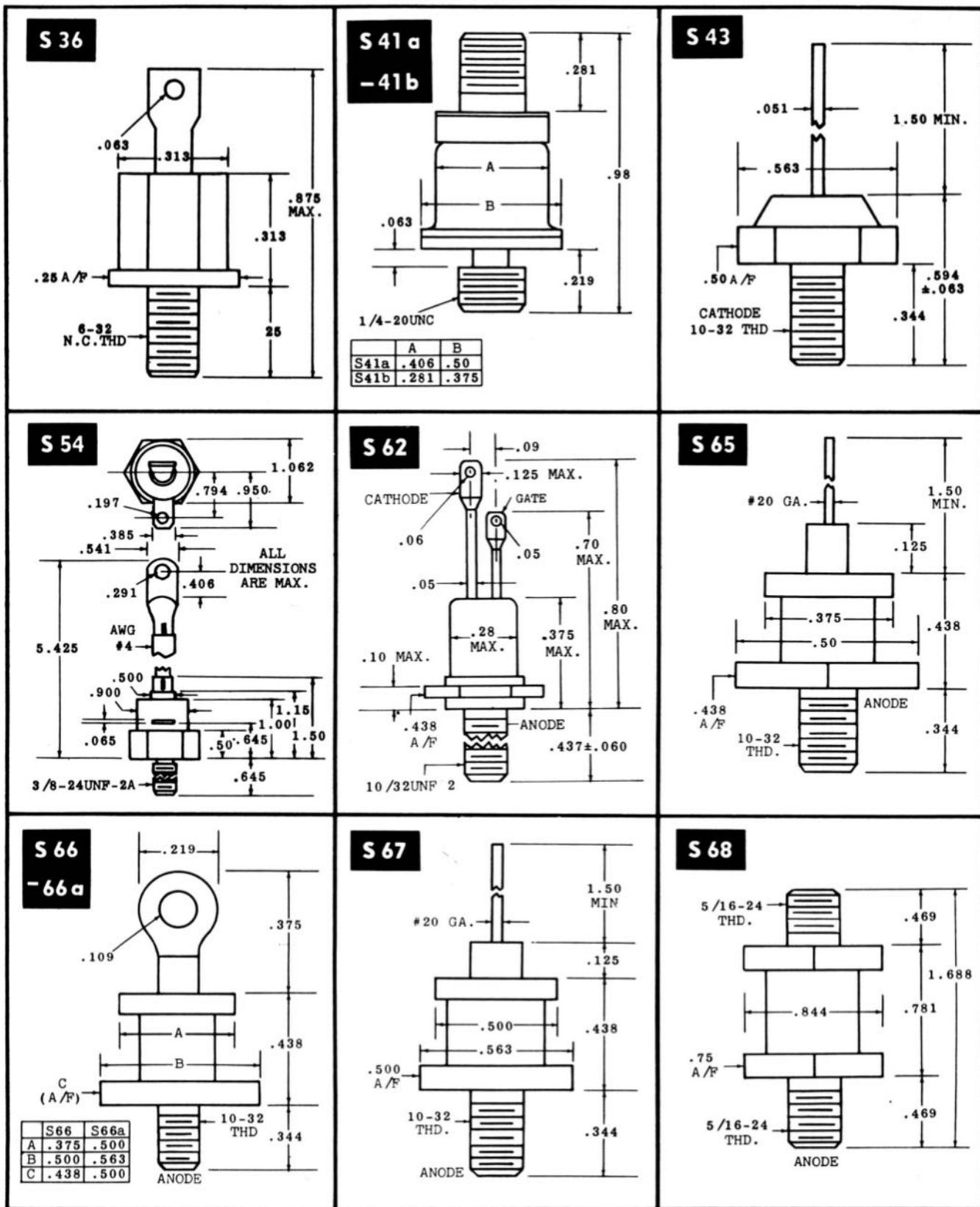
S 18**S 19****S 19 a****S 20****S 21****S 21 a****S 21 b****S 21 c****S 22**

18. OUTLINE DRAWINGS

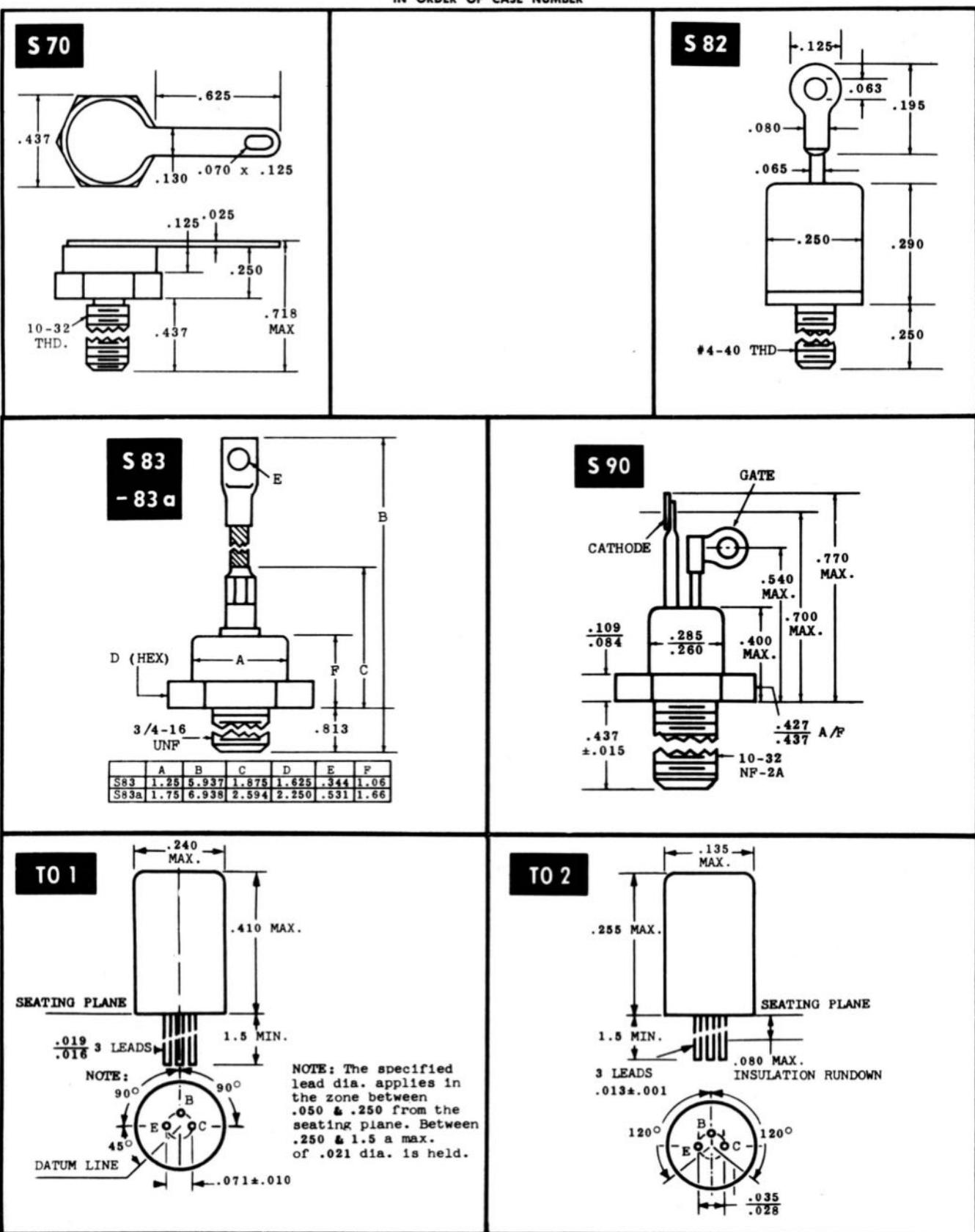
IN ORDER OF CASE NUMBER



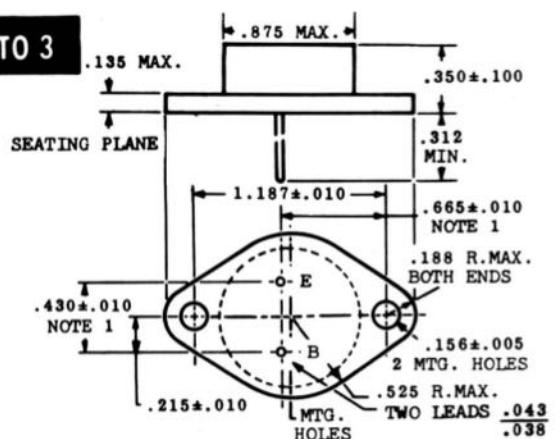
18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

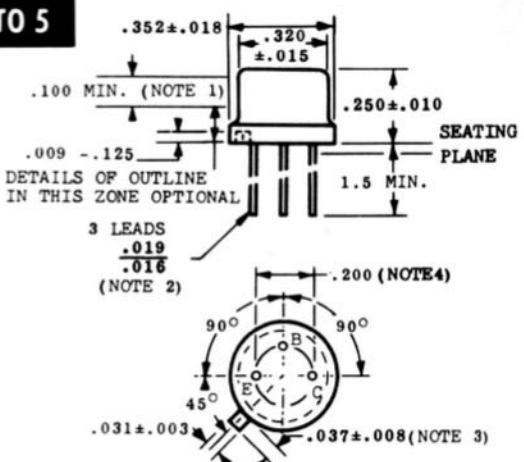


18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

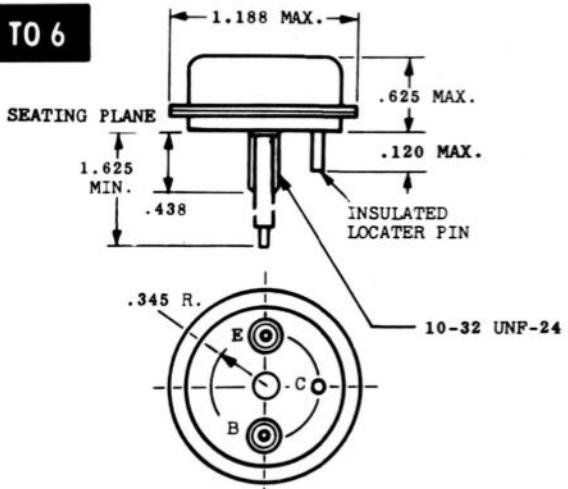
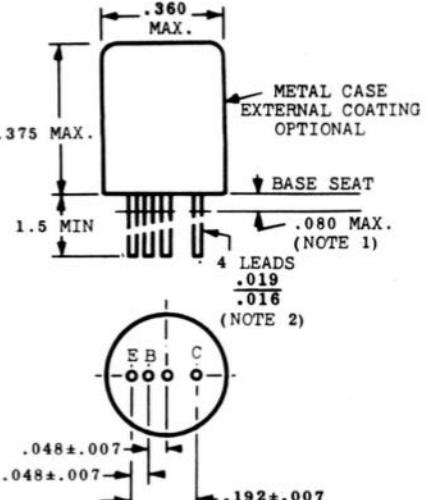
T0 3

NOTE 1.

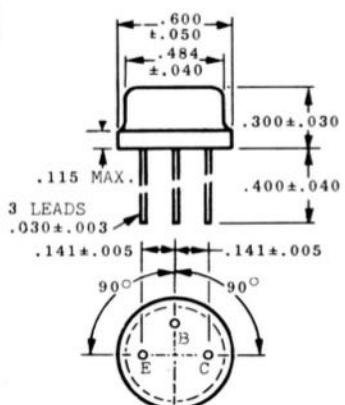
THESE DIMENSIONS SHOULD BE MEASURED AT POINTS .050 TO .055 BELOW SEATING PLANE. WHEN GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.

T0 5

SEE T0-9 FOR NOTES

T0 6**T0 7**

NOTES:

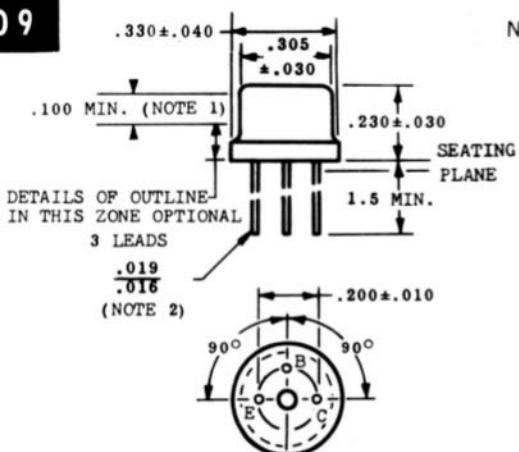
T0 8

NOTES FOR T0-7:

NOTE 1. EXTERNALLY COATED DEVICES SHALL NOT HAVE COATING ON THE LEADS BEYOND THIS ZONE.

NOTE 2. THE SPECIFIED LEAD DIAMETER APPLIES IN THE ZONE BETWEEN 0.050 AND 0.250 FROM THE SEATING PLANE BETWEEN 0.250 AND 1.50 A MAXIMUM OF 0.021 DIAMETER IS HELD. OUTSIDE OF THESE ZONES, THE LEAD DIAMETER IS NOT CONTROLLED.

18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

TO 9

NOTES:

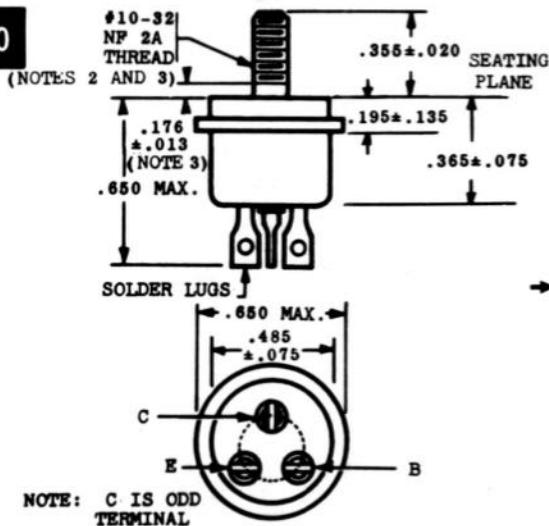
NOTES FOR TO5,9,11,12,16,28,33,39,42,43.
 This device is for socketed, single-sided circuit-board, wire in & similar applications where solder bridging may occur. A dielectric washer or other stand-off device may be necessary.

NOTE 1: This zone is controlled for automatic handling. The variation in actual dia. within this zone shall not exceed .010.

NOTE 2: The specified lead dia. applies in the zone between .050 & .250 from the seating plane. Between .250 & 1.5 a max. of .021 dia. is held. Outside of these zones the lead dia. is not controlled.

NOTE 3: Measured from max. dia. of the actual device.

NOTE 4: Leads having max. dia. .019 measured in gaging plane .054 + .001 below the seating plane shall be within .007 of their true locations relative to a max-width tab.

TO 10

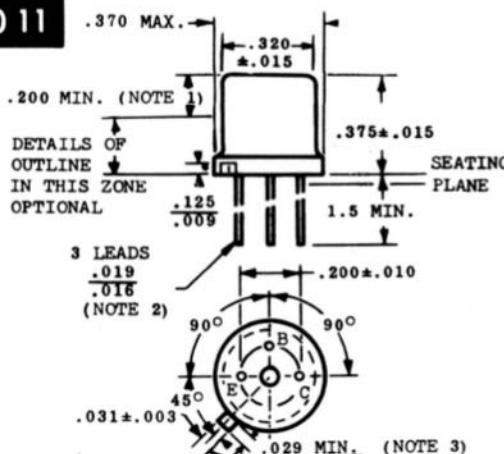
NOTES FOR TO10:

NOTE 1: ANGULAR ORIENTATION OF INDIVIDUAL SOLDERED TERMINAL IS UNDEFINED.

NOTE 2: 10-32 UNF-2A MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER .1697, REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H 28 1957 PL.

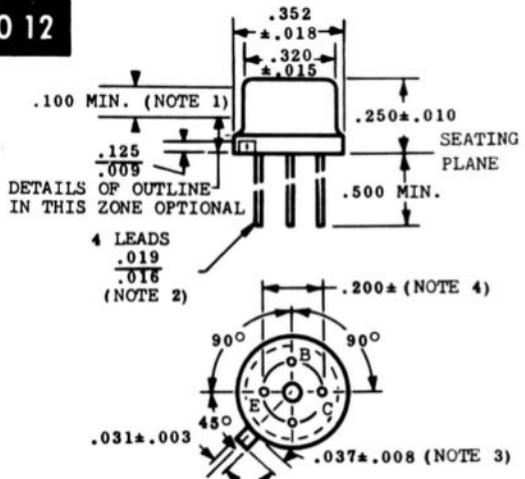
NOTE 3: COMPLETE THREADS SHALL EXTEND TO WITHIN 2 1/2 THREADS OF THE SEATING PLANE.

NOTE 4: THE UNIT SHALL NOT BE DAMAGED BY A TORQUE OF 15 LB-IN. APPLIED TO A 10-32 UNF-2B (NONLUBRICATED) NUT ASSEMBLED ON THE THREADS.

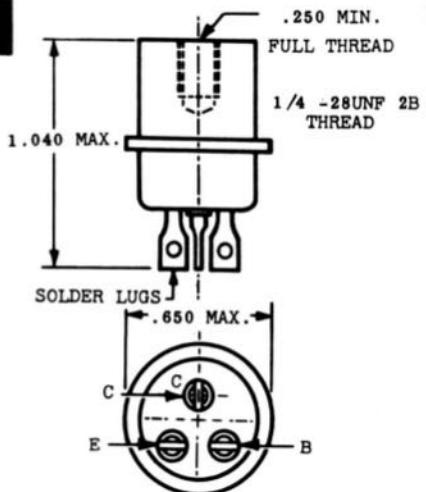
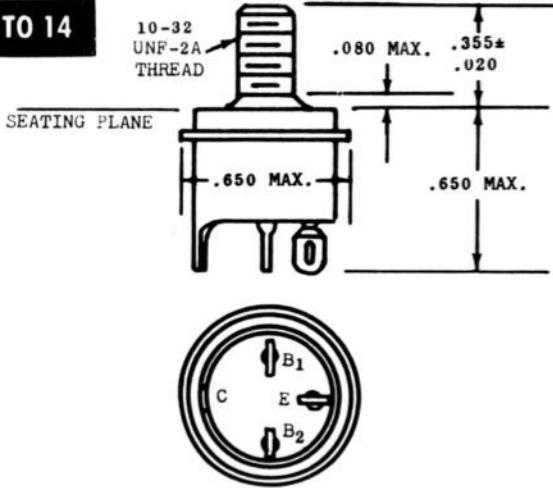
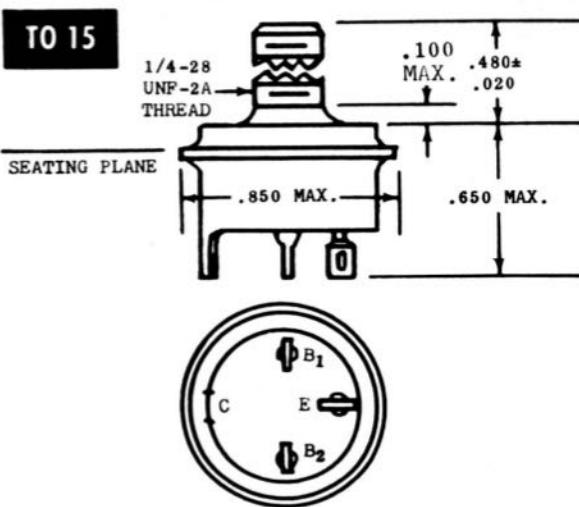
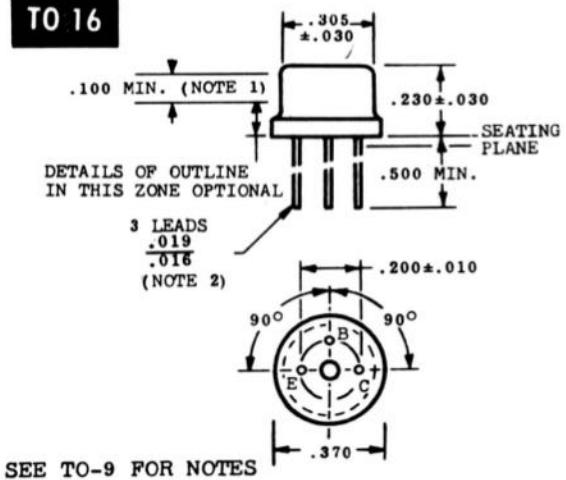
TO 11

SEE TO-9 FOR NOTES

18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

TO 12

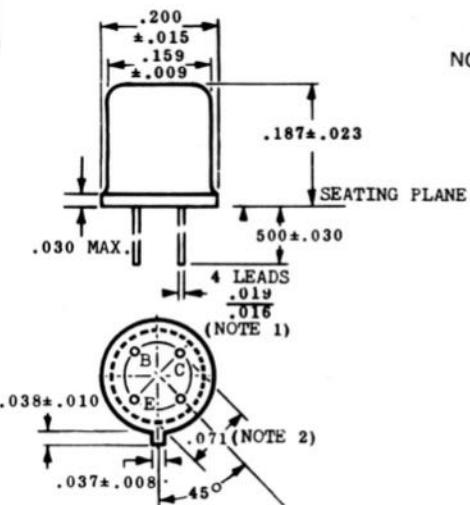
SEE TO-9 FOR NOTES

TO 13**TO 14****TO 15****TO 16**

SEE TO-9 FOR NOTES

18. OUTLINE DRAWINGS

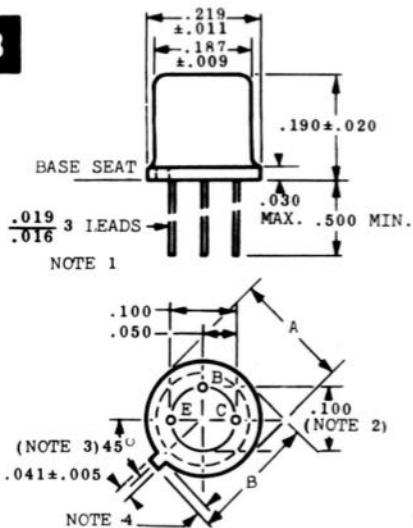
IN ORDER OF CASE NUMBER

TO 17

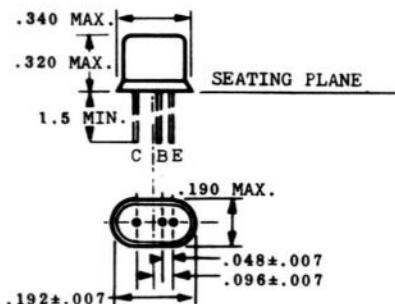
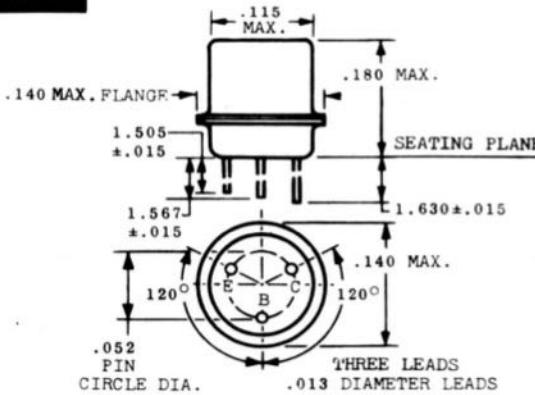
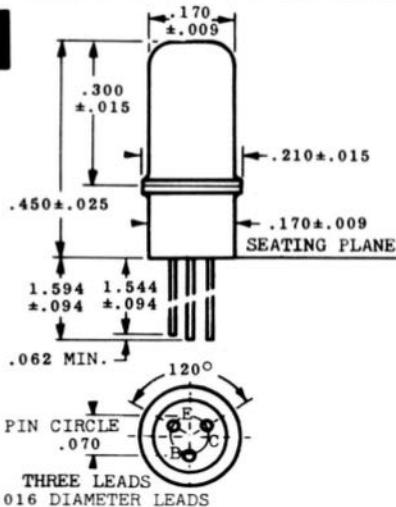
NOTES: →

NOTES FOR TO17, TO18 and RO38

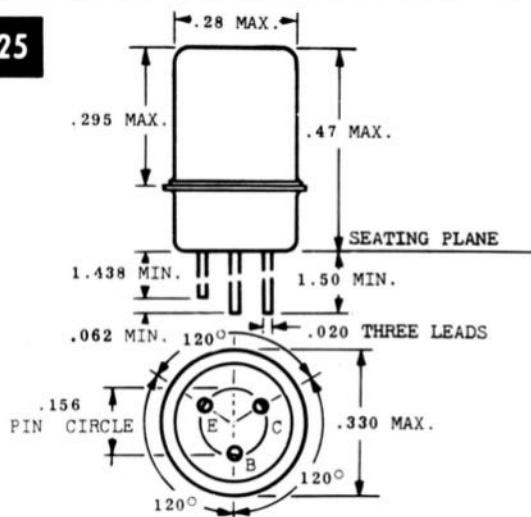
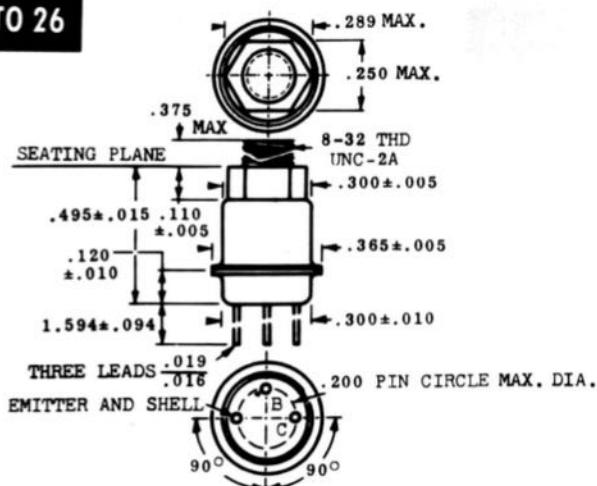
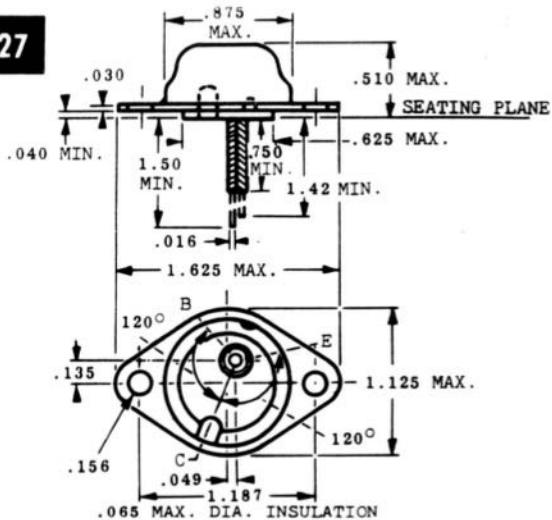
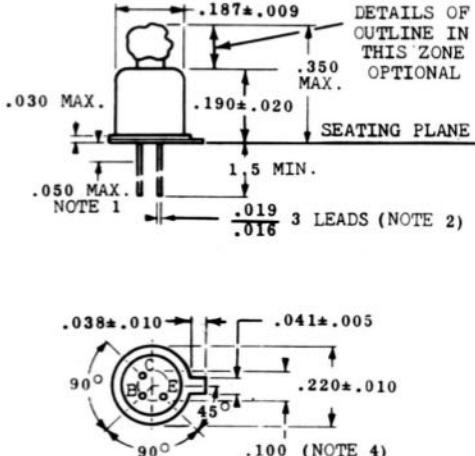
1. The specified lead diameter applies to the zone between .050 and .250 from the base seat. Between .250 and end of lead a maximum of .021 is held. Outside of these zones the lead diameter is not controlled.
2. Maximum diameter leads at a gaging plane $.054 \pm .001 - .000$ below SEATING PLANE to be within .007 of their true location relative to max. width tab and to the maximum diameter measured with a suitable gage. When gage is not used, measurement will be made at base seat.
3. Index tab for visual orientation only.
4. Tab length to be .028 minimum - .048 maximum, and will be determined by subtracting diameter A from dimension B.

TO 18

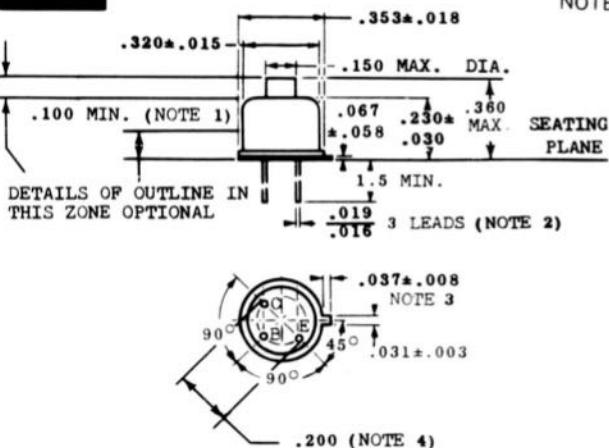
NOTES: →

TO 22**TO 23****TO 24**

18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

TO 25**TO 26****TO 27****TO 28**

NOTES: SEE TO 9

TO 29

NOTES:

NOTES FOR TO 29:

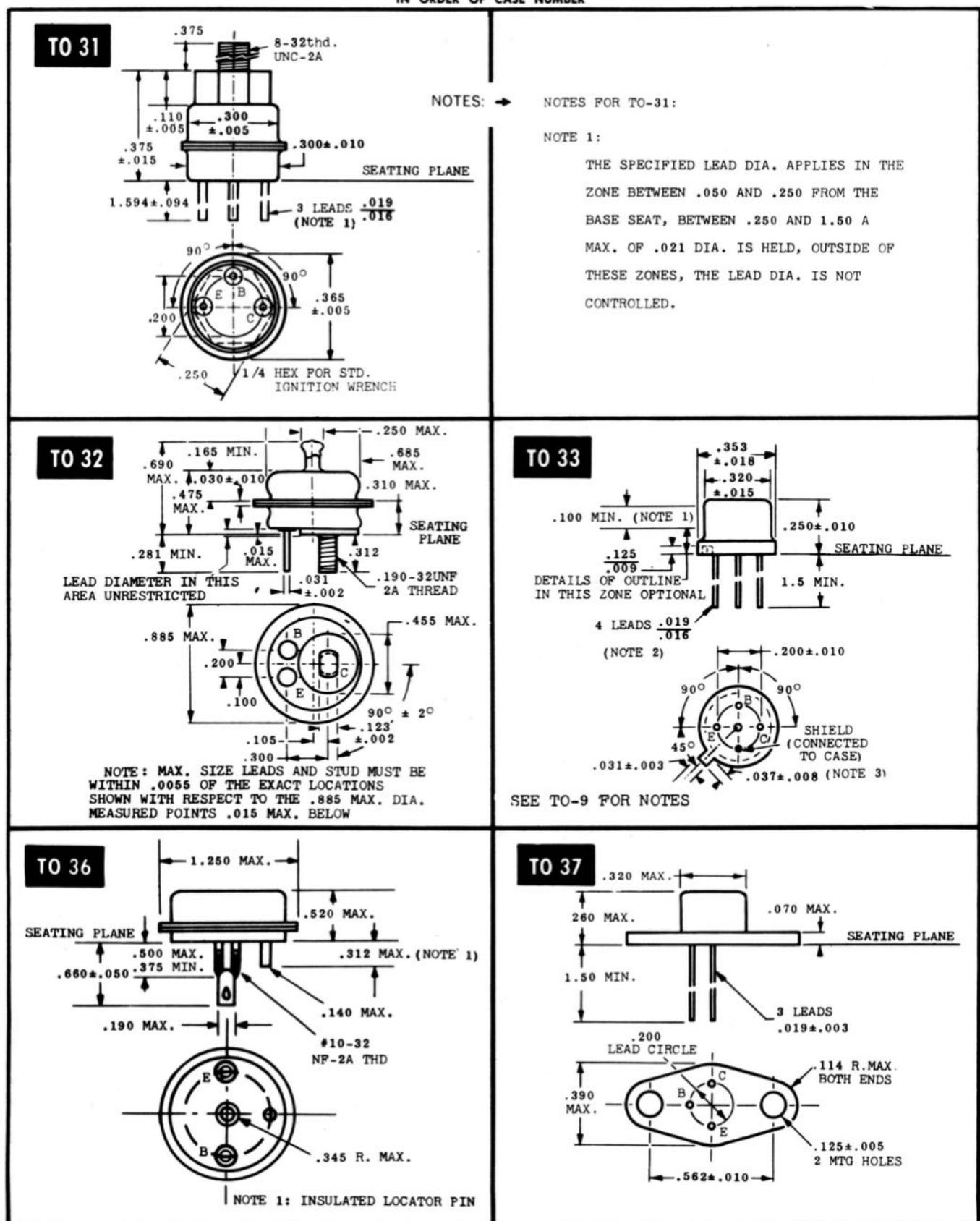
NOTE 1: THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THE ZONE SHALL NOT EXCEED .010.

NOTE 2: THE SPECIFIED LEAD DIAMETER APPLIES IN THE ZONE BETWEEN .050 and .250 FROM THE SEATING PLANE. BETWEEN .250 and 1.5 A MAXIMUM OF .021 DIAMETER IS HELD. OUTSIDE OF THESE ZONES THE LEAD DIAMETER IS NOT CONTROLLED.

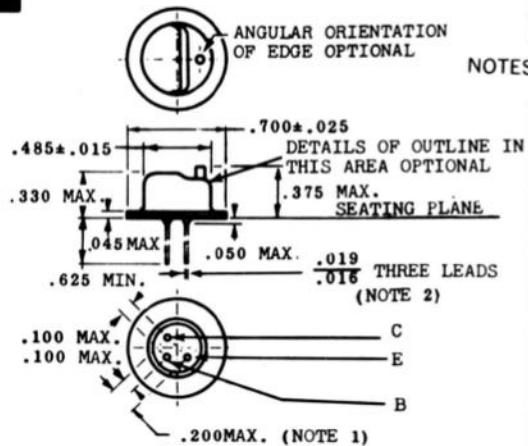
NOTE 3: MEASURED FROM MAX. DIAMETER OF THE ACTUAL DEVICE.

NOTE 4: LEADS HAVING MAX. DIAMETER .019 MEASURED IN GAGING PLANE .054 ± .001 - .000 BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007 OF THEIR TRUE LOCATIONS RELATIVE TO A MAXIMUM-WIDTH TAB.

18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

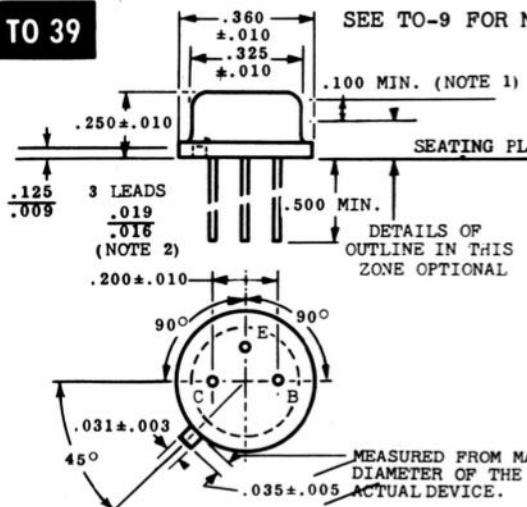
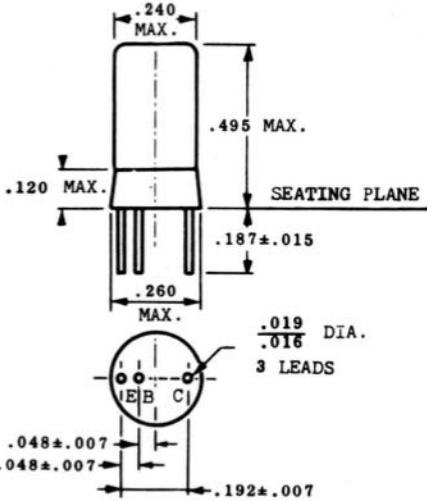
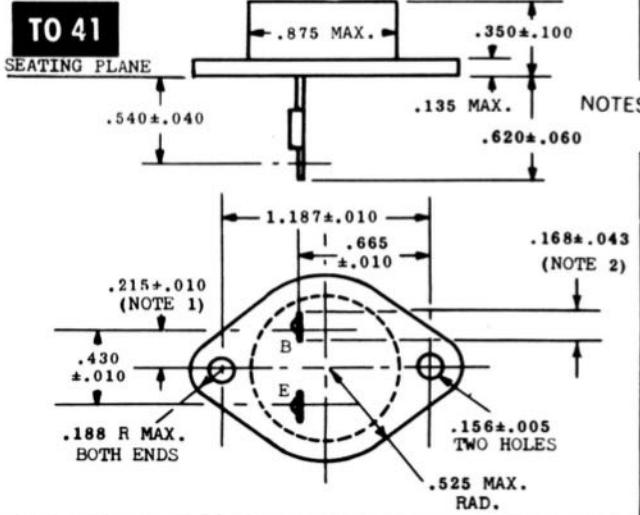
TO 38

NOTES: →

NOTES FOR TO38:

NOTE 1: MAXIMUM DIAMETER LEADS MEASURED AT A GAGING PLANE .054+.001-.000 BELOW THE SEATING PLANE SHALL BE WITHIN .010 OF THEIR TRUE LOCATIONS WITH RESPECT TO THE .725 DIAMETER.

NOTE 2: THE SPECIFIED LEAD DIAMETER APPLIES IN THE ZONE BETWEEN .050 AND .250 FROM THE SEATING PLANE. IN THE ZONE BETWEEN .050 AND .625 FROM THE SEATING PLANE DIAMETER OF LEADS SHALL NOT EXCEED .021. DIAMETER IS UNCONTROLLED BEYOND .625 FROM SEATING PLANE.

TO 39**TO 40****TO 41**

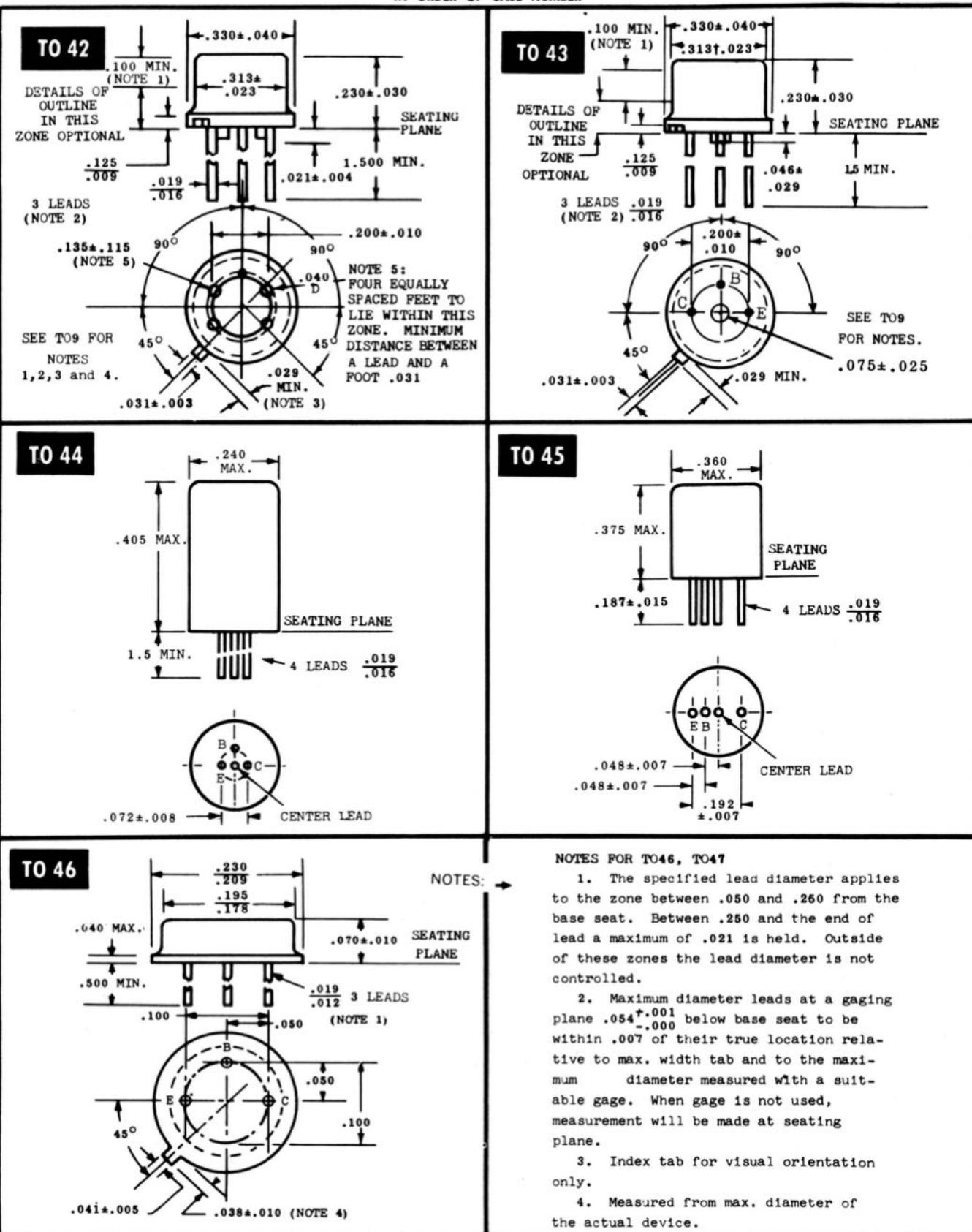
NOTES FOR TO-41:

1. THESE DIMENSIONS SHOULD BE MEASURED AT POINTS .050 TO .055 BELOW SEATING PLANE. WHEN GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.

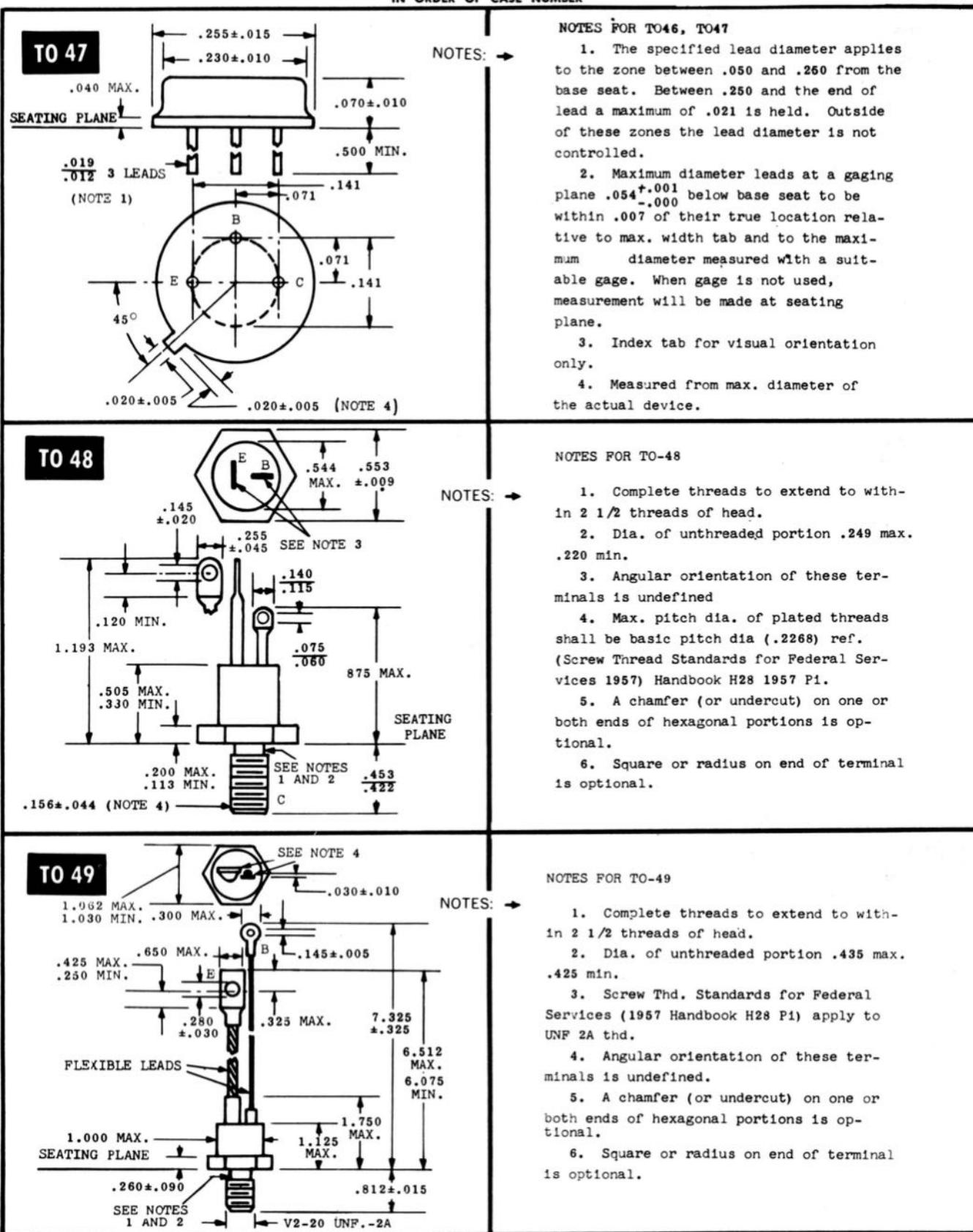
2. SQUARE OR RADIUS ON END OF TERMINAL AND/OR HOLE OPTIONAL.

18. OUTLINE DRAWINGS

IN ORDER OF CASE NUMBER



18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

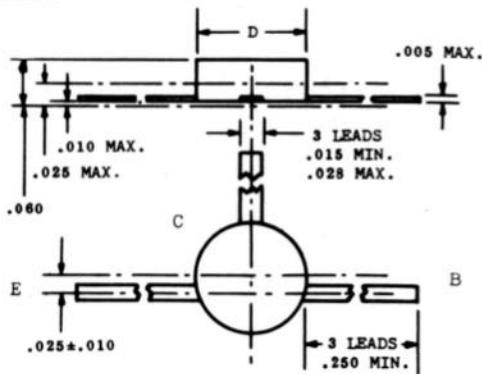


18. OUTLINE DRAWINGS

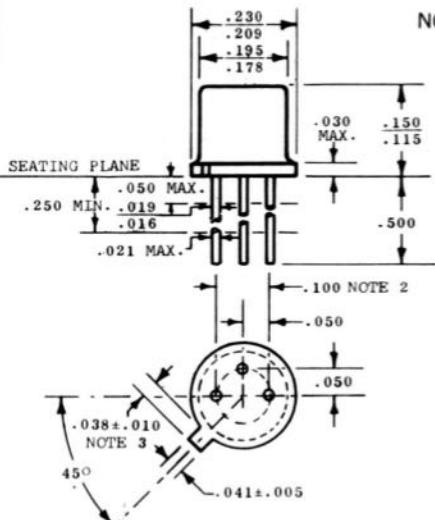
IN ORDER OF CASE NUMBER

TO 50
TO 51

	D-MIN.	D-MAX.
TO 50	.170	.190
TO 51	.140	.165



TO 52

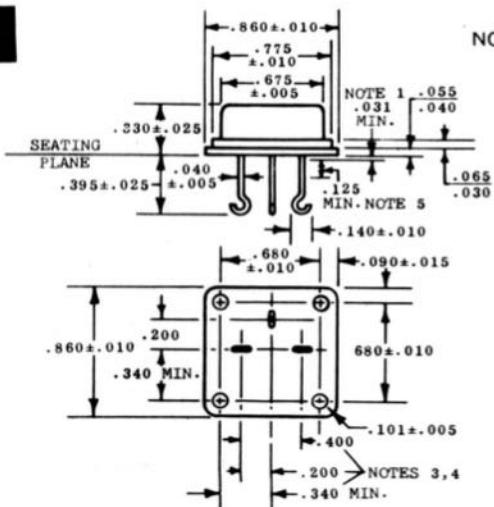


NOTES:

NOTES FOR TO52:

1. LEAD DIAMETER .016 MIN., .019 MAX.
APPLIES BETWEEN .05 MAX. & .250 MIN. FROM
SEATING PLANE. LEAD DIAMETER .021 MAX.
APPLIES BETWEEN .250 MIN. & .50 FROM SEAT-
ING PLANE. DIAMETER IS UNCONTROLLED IN .05
AND .50 FROM SEATING PLANE.
 2. LEADS HAVING MAX. DIAMETER MEASURED
IN GAGING PLANE .054+.001-.000 BELOW THE
SEATING PLANE OF THE DEVICE SHALL BE WITHIN
.007 OF THEIR TRUE LOCATIONS RELATIVE TO A
MAX. WIDTH TAB.
 3. MEASURED FROM MAX. DIAMETER OF THE
ACTUAL DEVICE.

TO 53

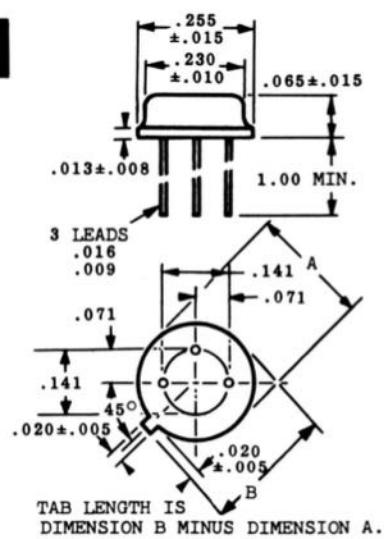
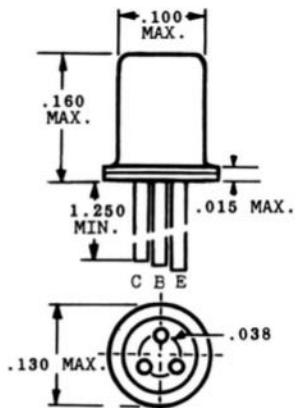
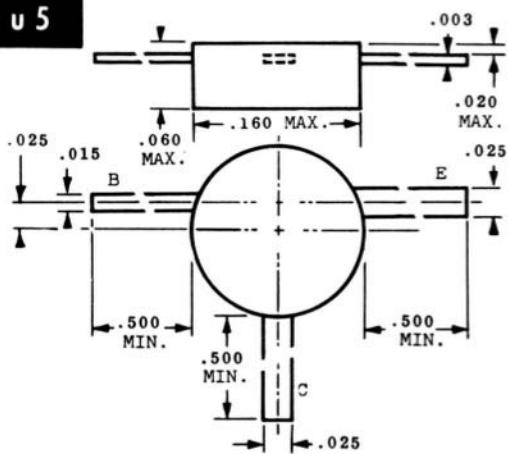
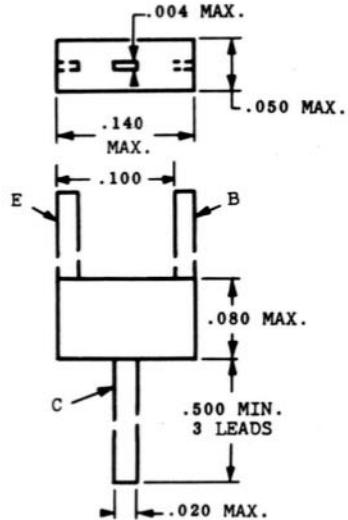
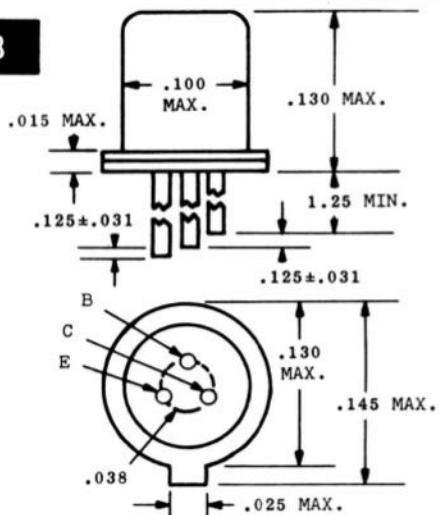
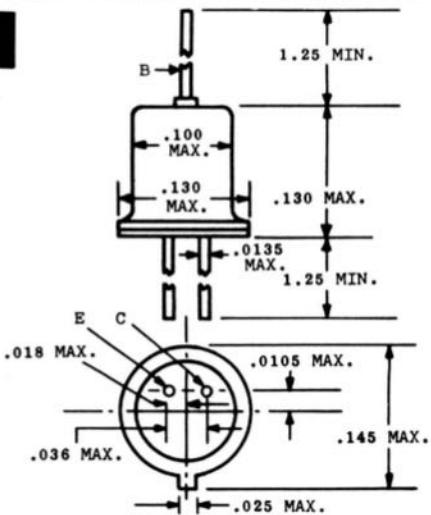


NOTES: -

NOTES FOR TO53:

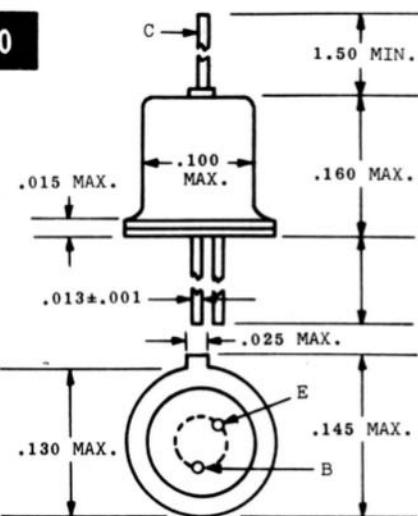
1. LEAD DIAMETER NOT CONTROLLED IN THIS AREA.
 2. RADIUS AT CONERS OF MOUNTING FLANGE OPTIONAL.
 3. ANGULAR ORIENTATION OF TERMINAL ENDS SHOWN #15 DEGREES.
 4. LEADS HAVING MAXIMUM DIAMETER MEASURED IN GAGE PLANE .031+.001-.000 BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .010 OF THEIR TRUE LOCATION RELATIVE TO MIN. DIA.
 5. THE LEADS SHALL BE ESSENTIALLY STRAIGHT WITHIN THIS ZONE.

18. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

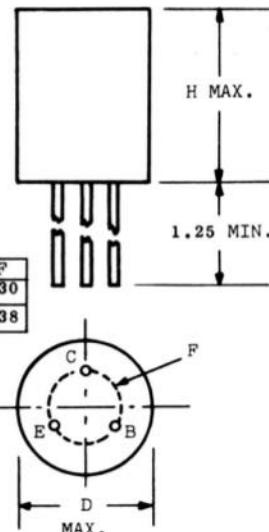
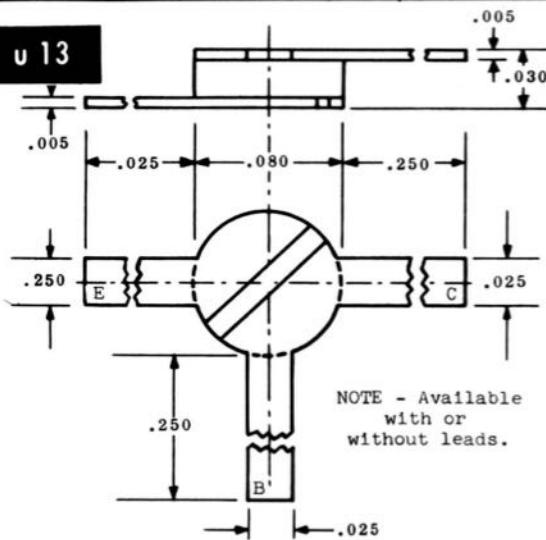
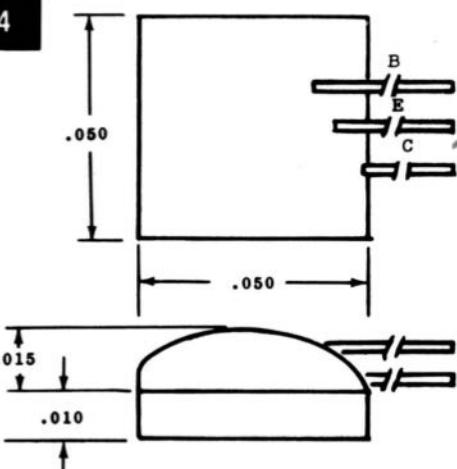
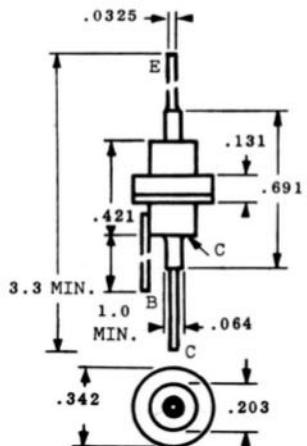
u 1**u 2****u 5****u 6****u 8****u 9**

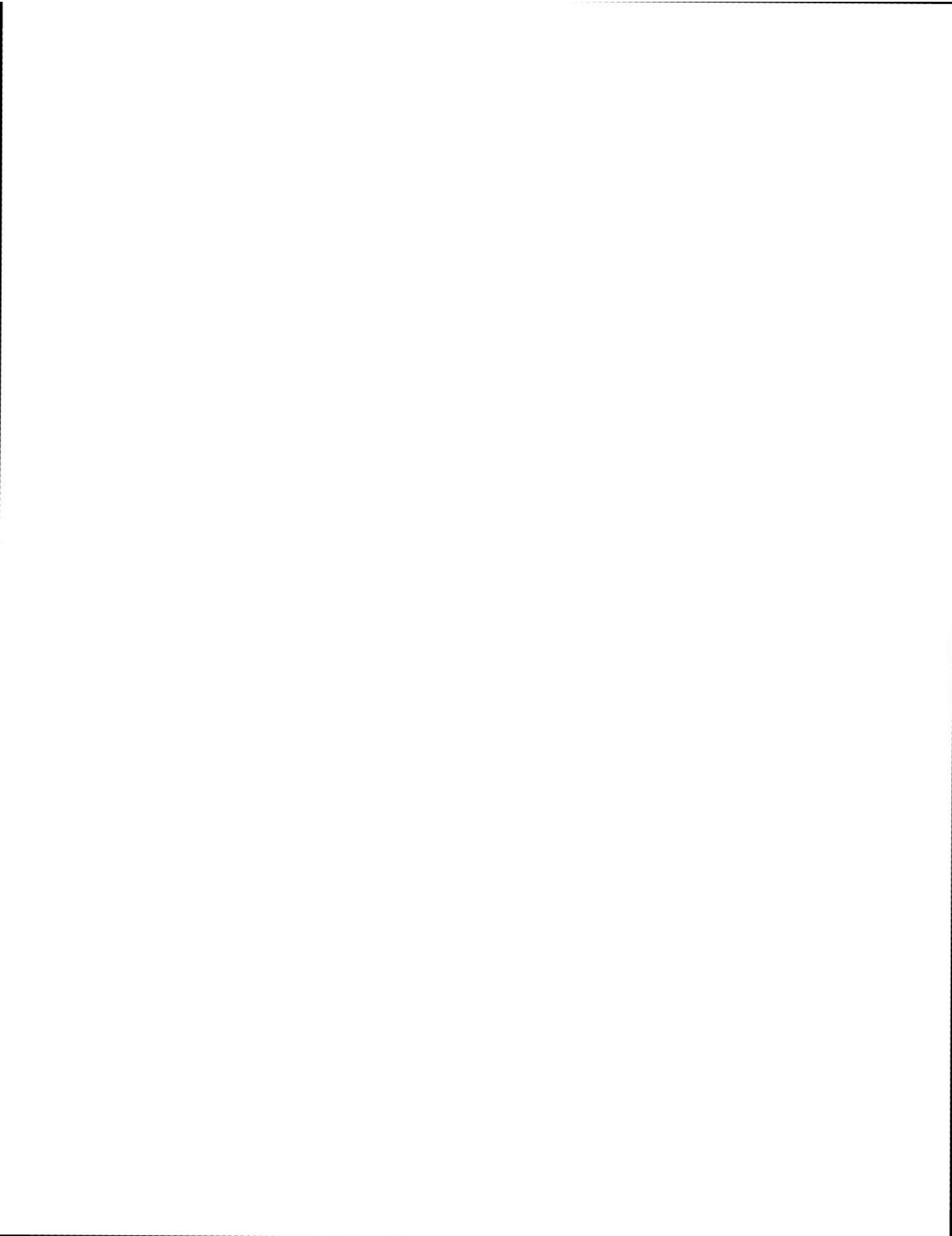
18. OUTLINE DRAWINGS

IN ORDER OF CASE NUMBER

u 10**u 11****u 12**

	D	H	F
u 11	.130	.160	.030
u 12	.100	.130	.038

**u 13****u 14****X 3**



SYMBOLS

FOR CONVENIENT REFERENCE CERTAIN
SYMBOLS ARE
PRESENTED IN COLUMN HEADINGS

TRANSISTORS

SYMBOLS ADDRESSED TO ALL SECTORS

2	THROUGH	10
<u>Under STATUS</u>		
A	Army Spec.	
D	Developmental	
F	AF Spec.	
M	Mil. Spec.	
N	Navy Spec.	
R	Military use only	
T	Tentative data	
<u>Following TYPE NO.</u>		
□	Switching Type.	
△	Chopper.	
#	Tetrode.	
<u>Under MAX. TEMP.</u>		
-50	65° C	
-70	80° C	
-85	100° C	
-110	125° C	
-140	165° C	
-170	200° C	
-Over 200° C		
▲	Ambient	
C	Case	
J	Junction	
S	Storage	
<u>Following MAX. ICBQ</u>		
-At VCB < Max. VCB		
(See Q.C.B.)		

TRANSISTORS

APPEALS TO ALL SECTIONS

Under STRUCTUR	A — Alloy D — Diffused or D E — Epitaxial EM — Epitaxial Mes F — Fused G — Grown MA — Micro Alloy Di MD — Micro Alloy Di ME — Mesa PA — Precision Allo PC — Point Conta PD — Precision Allo Di PE — Planar Epitax PL — Planar S — Surface Barrier Δ — Switching plu □ — Other
Following tab or fig.	§ — Gain-Bandwidth Product (BT) • — Maximum Frequency of Oscillation ○ — Figure of Merit (f _r -frequency for Unity Power Gain) △ — Minimum
Under MAX. TEMP.	● — -50°-65° C ○ — -70°-80° C # — 85°-100° C * — 110°-125° C \$ — 140°-165° C — — 170°-200° C ▼ — Over 200° C ▲ — Ambient A — Case C — Junction J — Storage S — Following MAX ICBO ○ — AT VCB < Max. VCB (See Mr. Spec.)
Under STATUS	A — Army Spec. D — Developmental F — AF Spec. M — Mil. Spec. N — Navy Spec. R — Military use only T — Tentative data Following TYPE NO. □ — Switching Type. △ — Chopper. # — Tetrode.
2 THROUGH 10	§ — Gain-Bandwidth Product • — Maximum Frequency of Oscillation ○ — Figure of Merit (f _r -frequency for Unity Power Gain) △ — Minimum

SEMICON-DIODES

SYMBOLS APPPLICABLE TO ALL SECTIONS

10	Following TAB or <i>læg</i> (TR)	Gain Bandwidth Product	Under STRUCTURE
11	Maximum Frequency of Oscillation	• Maximum Frequency of Oscillation	Under MAX. TEMP.
12	Figure of Merit (Fre- quency of Unity Power Gain)	○ Figure of Merit (Fre- quency of Unity Power Gain)	Under STATUS
13	Minimum,	△ Minimum,	A - Army Spec. D - Developmental F - AF Spec. M - Mil. Spec. N - Navy Spec. R - Military use only T - Tentative data Following TYPE NO. □ - Switching Type.
14	Following TAB or <i>læg</i> (TR)	Chopper.	△ - Chopper. # - Tetrode.
15	Following TAB or <i>læg</i> (TR)	Junction	J - Junction
16	Following TAB or <i>læg</i> (TR)	S - Storage	A - Ambient B - Base (Stud)
17	Following MAX. WORKING VOLTAGE	Following MAX. ICBO	C - Case J - Junction
	(same as PIV unless indicated)	At VCB < Max. VCB (See VCB Spec.)	
	Diffused or Drift	○ At VCB < Max. VCB (See VCB Spec.)	
	Epitaxial		
	Epitaxial Mesa		
	Fused		
	Grown		
	Micro Alloy Diffused		
	Micro Alloy		
	Mesa		
	Precision Alloy		
	Point Contact		
	Precision Alloy		
	Diffused		
	Planar Epitaxial		
	Planar		
	Surface Barrier		
	Switching plus		
	Other uses		
	Chopper plus		
	other uses		
	Noise Figure 8 db or below		
	Noise Figure 9- 15 db		
	Peak		
	Following TEMP.		
	A - Ambient B - Base (Stud)		
	Gallium Arsenide		
	Gallium Antimonide		
	Germanium		
	Selenium		
	Silicon		
	Silicon Carbide		

LOW-POWER SECTIONS ONLY

Following MAX. QOLL. DISS.
Symbols indicate temperature at which derating starts

•	-40° C	—	-60° C
•	-45° C	—	-70° C
•	-50° C	—	-100° C
#	with infinite heat sink		

Following hfe

—	Minimum
—	Maximum
*	Pulsed

Under hog.

b	—h parameters are hub, hub, and hrb.
---	--

Following Cob

Δ	—Maximum
---	----------

HIGH-POWER SECTIONS ONLY

Following MAX. THERMAL RES.
 Symbols indicate temperature
 at which derating starts

—	—40° C	—75° C
—	—45° C	—100° C
—	—50° C	Free
—	—60° C	Typical

Following MAX. COLL. DISS.

FOLLOWING UNIT NO.
∅—Two or more units
in separate cases

FOLLOWING TYPE NO.	leakage current specs
\odot — Double Anode Type	♦ — Multiple Unit Device
\triangle — Reverse Amplifier	FOLLOWING DWG. NO. Δ—Available with Reversible Polarity (usually by adding suffix R; i.e., IN2514—IN2514R)
\square — Multiple Unit Device	
FOLLOWING TOLERANCE	
\odot — Available with $\pm 5\%$ tol.	
\triangle — Available with $\pm 2\%$ tol.	
\square — Available with $\pm 1\%$ tol.	
FOLL. DYN. IMP. AND TEMP. COEFF.	

- Maximum
- Pulsed
- Under Hg.
- b** - h parameters are
hob, hb, and
hrb.
- Following Cob
- Maximum

MICROWAVE MIXER DIODE MICROWAVE VIDEO DETECTOR DIODE SECTIONS ONLY		FOLLOWING DWG. NO.	
4—Hook Collector	15	\otimes	— Available with Reversed Polarity (R), Matched Forward (M), and Matched Reverse (MR) types. The letters in brackets () follow the type No.; i.e.—1N21BR, 1N21BM, 1N21BMR
5—Complementary Symmetry (PNP & NPN) Matched Pair	16	\otimes	— Available with Reversed Polarity Cartridge (S) — Reversible Polarity Cartridge (C) — Coaxial Cartridge (D) — Tripolar Construction (T)
6—Matched Pair		\square	— I. F. Amplifier (Q)
7—Phototransistor		\triangle	— Maximum (△) — Minimum (○) — Maximum (△ — Maximum)
8—Tetrode			# — Storage charge Q, in pC
9—Unijunction			\otimes — Minimum
10—Chopper			\square — Maximum
11—Composite			\triangle — Maximum
Under MATERIAL		FOLLOWING MAX. N.F.	
Under DESCRIPTION		<u>15/16</u>	
VPO = Pinchoff voltage			
IR182 = Interbase resistance			
ISR = Intrinsic standoff ratio			
I_p = Peak Current			
I_v = Valley Current			
I_{off} = Offset Voltage			
I_{rd} = Offset Current			
R_d = Dynamic Resistance			
Under CATEGORY			
1—Avalanche Mode			
2—Bi-Directional			
3—Field Effect			
Under MATERIAL			

FOLLOWING MAX. DISS.
 — Infinite heat sink
FOLLOWING DWG. NO.
 — Available with Reversible Polarity (usually by adding suffix R; i.e., IN2514—IN2514R or N replacing P; i.e., 5J3P—5J3N)

MICROWAVE MIXER DIODE
MICROWAVE VIDEO DETECTOR DIODE
SECTIONS ONLY

15/16

— Storage charge Q in pC
 FOLLOWING CAPACITANCE
 Ø — Minimum Δ — Maximum

FOLLOWING DWG. NO.
 Ø — Available with Reversed Polarity (R), Matched Forward and Reversed Pair (M), and Matched Forward and Reversed Pair (MR) types. The letters in brackets () follow the type No.; i.e. — 1N21BR, 1N21BM, 1N21B
 § — Reversible Polarity Cartridge
 □ — Coaxial Cartridge Δ — Tripolar Construction
 Ø — I. F. Amplifier

FOLLOWING MAX. N.F.

MISCELLANEOUS EQUIPMENT		UNDER USE	UNDER STATUS
SECTION ONLY			◆ - Multiple Unit Device
1	Video Detector		
2	UHF Mixer		

MISCELLANEOUS DIODE SECTION ONLY		<u>UNDER USE</u>	<u>UNDER STATUS</u>
1	Video Detector	♦ — Multiple Unit Device	
2	UHF Mixer		
3	Harmonic Generator		
4	Photo-diode		
5	4 layer Bistable Diode		
6	Parametric Diode		
7	Solar Cell		
8	Photo-conductive Cells		
9	Avalanche Switch		
10	Controlled Rectifier		
11	Non-linear Resistor		
12	Tunnel Diode		
13	Backward Diode		
14	Varistor		
15	PNP Switch		
16	Logarithmic Diode		
M	Other misc. types		

NOTES: 1. When letters representing units follow a value in the tabulation, the units shown in the column heading do not apply.
2. All values in this tabulation are typical and given at 25°C ambient.

