

The documentation and process conversion measures necessary to comply with this amendment shall be completed by 20 March 1999

INCH POUND

MIL-PRF-19500/578C  
 AMENDMENT 2  
 20 December 1998  
 SUPERSEDING  
 AMENDMENT 1  
 25 May 1998

PERFORMANCE SPECIFICATION SHEET

SEMICONDUCTOR DEVICE, DIODE, SILICON, SWITCHING,  
 1N6638, 1N6642, 1N6643, 1N6638U, 1N6642U, 1N6643U, 1N6638US, 1N6642US, 1N6643US  
 JAN, JANTX, JANTXV AND JANS

This amendment forms a part of MIL-PRF-19500/578C, dated 17 January 1998 and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 2

1.4, 1N6642, 1N6642U, 1N6642US,  $V_{FI}$  column; delete "1.0" and substitute "0.80".

PAGE 3

Figure 1, dimension table; delete and substitute as follows:

Symbol	Dimensions				Notes
	Inches		Millimeters		
	Min	Max	Min	Max	
LD	.018	.022	0.46	0.56	
BD	.056	.075	1.42	1.91	3
BL	.130	.180	3.30	4.57	4
LL	1.000	1.500	25.40	38.10	

TYPES 1N6638, 1N6642, AND 1N6643 "

PAGE 5

3.3; delete:

" $V_{FRM}$  - - - - Peak forward recovery voltage during forward recovery.

EC - - - - - End caps."

\* 3.6 Polarity; delete in its entirety and substitute as follows:

"3.6 Polarity. Polarity shall be as specified in MIL-PRF-19500".

PAGE 6

4.3.2, third sentence; delete "table II" and substitute "appendix E, table IV".

PAGE 9

Table I, subgroup 2, forward voltage, max limits column for 1N6642, 1N6642U, 1N6642US, delete "1.0" and substitute "0.80".

PAGE 11

\* Table I, subgroup 4, reverse recovery time, conditions column; delete " $c \geq 1 \text{ nF}$ " and substitute " $c > 1 \text{ pF}$ ".

MIL-PRF-19500/578C  
AMENDMENT 2

PAGE 13

5.1; delete in its entirety and substitute as follows:

“5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of material is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Points' packaging activity within the Military Department or Defense Agency, or within the Military Departments' System Command. Packaging data retrieval is available from the managing Military Departments' or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.”

NOTE: The margins of this amendment are marked with asterisks to indicate where changes from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Custodians:

Army - CR  
Navy - EC  
Air Force - 17  
NASA - NA

Preparing activity:

DLA - CC  
  
(Project 5961-2052)

Review activities:

Army - AR, MI, SM  
Navy - AS, MC  
Air Force - 19, 85, 99