

The documentation and process conversion measures necessary to comply with this amendment shall be completed by 15 December 1992

INCH-POUND

MIL-S-19500/278E
AMENDMENT 1
15 September 1992

MILITARY SPECIFICATION

SEMICONDUCTOR DEVICE, DIODE, SILICON, MATCHED PAIR
TYPES 1N4306, 1N4306M, JANTX AND JANTXV

This amendment forms a part of MIL-S-19500/278E dated 19 January 1991, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

1.3, footnote 1/, Storage temperature: Delete "+175°C" and substitute "+200°C".

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FIGURE 1, title: Delete "1N4306" and substitute "1N4306M"; NOTES: add the following note:

"6. Figure shown is one half of 1N4306M. Actual device consists of two individual unencapsulated axial leaded diodes."

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FIGURE 2, title: Delete "1N4306M" and substitute "1N4306".

PAGE 6

4.3, screen 12, measurements column: Delete "MIL-STD-750, method 1038, test condition A, t = 48 hours".

4.3.1: Delete "T_A = +150°C; V_R = 40 V dc; I_F = 0 mA dc; t = 48 hours minimum." and substitute "T_A = 25°C ±3°C; I_F = 75 mA dc (each diode)."

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TABLE II, inspection column, subgroup 3: Delete footnote "2/".

TABLE II, subgroup 3, method column: Delete "1026" and substitute "1027".

TABLE II, subgroup 6, method column: Delete "1031" and substitute "1032".

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TABLE III, inspection column, subgroup 6: Delete footnote "2/".

TABLE III, subgroup 6, method column: Delete "1026" and substitute "1027".

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TABLE V, step 4, forward voltage, unit column: Delete "nV" and substitute "mV".

TABLE V, step 5, reverse current, min limits column: Delete "25 percent" and substitute "100 percent".

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6.2, Add:

"d. Product assurance level and type designator."

CONCLUDING MATERIAL

Custodians:

Army - ER
Navy - EC
Air Force - 17

Review activities:

Army - AR, MI
Navy - SH
Air Force - 19, 85, 99
DLA - ES
NASA - NA

User activities:

Army - SM
Navy - AS, CG, MC,

Preparing activity:
Navy - EC

Agent:
DLA - ES
(Project 5961-1294)