

The documentation and process conversion measures necessary to comply with this amendment shall be completed by 26 September, 2000.

INCH-POUND

MIL-PRF-19500/598A
AMENDMENT 2
26 June 2001
SUPERSEDING
AMENDMENT 1
8 May 1998

PERFORMANCE SPECIFICATION SHEET

SEMICONDUCTOR DEVICE, QUAD, FIELD EFFECT TRANSISTOR,
P-CHANNEL, AND N-CHANNEL, SILICON TYPE 2N7336,
JAN, JANTX, JANTXV, AND JANS

This amendment forms a part of MIL-PRF-19500/598A, dated 24 November 1997 and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

1.2, physical dimensions; delete "(MO-Q36AB)" and substitute "(MO-036AB)".

1.3, I_{D2} , P-channel, delete ".5" and substitute "-.5".

PAGE 2

1.3, footnote 1/; delete "0.11 W/°C" and substitute "0.011 W/°C".

PAGE 3

FIGURE 1, table, symbol column; delete "eA" and substitute "e".

FIGURE 1, note 6, first line; delete "eA" and substitute "e".

FIGURE 1, title; delete "(MO-Q36AB)" and substitute "(MO-036AB)".

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3.3, second line; delete "(MO-Q36AB)" and substitute "(MO-036AB)".

PAGE 5

* 4.3, screen 12, JANTX and JANTXV; delete Method 1042, test condition A and substitute "Method 1042, test condition A or accelerated test, $T_A = +175^\circ\text{C}$, $t = 48$ hours".

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4.4.2.1, B5; delete condition column in its entirety.

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TABLE I, subgroup 2, gate to source voltage, method column; delete "3404" and substitute "3403".

TABLE I, subgroup 3, drain current, conditions column; delete " $V_{DS} = 100$ percent of rated V_{DS} "; symbol column; delete " I_{DSS3} "; max limits column; delete "1.0"; unit column; delete "mA dc".

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TABLE I, subgroup 3, gate to source voltage (threshold), method column; delete "3404" and substitute "3403".

- * TABLE I, subgroup 4, switching time test, delete " $R_g = 24\Omega$ " and substitute " $R_g = 7.5\Omega$ ".
- * TABLE I, subgroup 4, turn-off delay time, delete "Turn-off delay time", and substitute "Turn-off delay time, P-channel inspection with a maximum limit of 70ns and N-channel inspection with a maximum limit of 40ns".

TABLE I, subgroup 4, fall time, N-channel, max limits column; delete "60" and substitute "40".

- * TABLE I, subgroup 4, fall time, P-channel, max limits column; delete "40" and substitute "80".

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TABLE I, subgroup 5, Safe operating area test, P-channel, conditions column; delete " $I_D = 0.05$ A" and substitute " $I_D = 0.5$ A".

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TABLE II, step 2, method column; delete "3404" and substitute "3403".

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6.4, substitution table, manufacturers' and users' PIN column, delete "IRFG91" and substitute "IRFG6110".

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 - NW
Air Force - 11
NASA - NA
DLA - CC

Preparing activity:
DLA - CC

(Project 5961-2250)

Review activities:
Army - AR, MI, SM
Navy - AS, CG, MC
Air Force - 13, 19, 99