

The documentation and process conversion measures necessary to comply with this amendment shall be completed by 16 November 2001.

INCH-POUND

MIL-PRF-19500/597C
 AMENDMENT 2
 16 August 2001
 SUPERSEDING
 AMENDMENT 1
 20 January 1999

PERFORMANCE SPECIFICATION SHEET

SEMICONDUCTOR DEVICE, TRANSISTORS, QUAD, FIELD EFFECT,
 N-CHANNEL, SILICON TYPE 2N7334
 JAN, JANTX, JANTXV, JANS, JANHC, AND JANKC

This amendment forms a part of MIL-PRF-19500/597C, dated 3 July 1998, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

1.3 Maximum ratings, second I_{D1} ; delete " I_{D1} "and substitute " I_{D2} ".

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* 4.3, screen 12, JANS column, delete and substitute: "Method 1042, test condition A, $t = 240$ hours, or accelerated test, $T_A = 175^\circ\text{C}$, $t = 48$ hours".

4.4.1, first line, following "with"; add "appendix E, table V".

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4.4.2.1, subgroup B5, conditions column; delete and substitute: "Condition A, $V_{DS} = 80$ percent of rated, $T_A = +175^\circ\text{C}$, $t = 120$ hours."

4.4.2.2, second subgroup B3; delete " $V_{DS} = 80$ percent of rated" and substitute " $V_{GS} = 80$ percent of rated".

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* TABLE I; subgroup 4, switching time test, delete " $R_g = 24\Omega$ " and substitute " $R_g = 7.5\Omega$ ".

TABLE I; add the following subgroup:

<u>Subgroup 7</u>					
Gate charge	3471	Condition B			
On-state gate charge			$Q_{g(\text{on})}$	15	nC
Gate to source charge			Q_{gs}	7.5	nC
Gate to drain charge			Q_{gd}	7.5	nC
Reverse recovery time	3473	$di/dt = 100 \text{ A}/\mu\text{s}$, $V_{DD} \leq 30 \text{ V dc}$; $I_D = I_{D1}$	t_r	200	ns

MIL-PRF-19500/597C
AMENDMENT 2

The margins of this amendment are marked with asterisks to indicate where changes from the previous issue 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 5961-2433)

Review activities:

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