

The documentation and process conversion measures necessary to comply with this amendment shall be completed by 16 June 1999.

INCH-POUND

MIL-PRF-19500/512C
 AMENDMENT 2
 16 June 1999
 SUPERSEDING
 AMENDMENT 1
 8 May 1998

PERFORMANCE SPECIFICATION SHEET

SEMICONDUCTOR DEVICE, TRANSISTOR, PNP, SILICON, SWITCHING
 TYPES 2N4029, 2N4033, JAN, JANTX, JANTXV, AND JANS

This amendment forms a part of MIL-PRF-19500/512C, dated 31 January 1998, and is approved for use by all Departments and Agencies of the Department of Defense.

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* 1.3, delete maximum ratings table and change to $R_{\theta JC}$ from amendment 1 and substitute table as follows:

Type	$P_T \frac{1}{T_A = +25^\circ C}$	V_{CBO}	V_{CEO}	V_{EBO}	I_C	T_{OP} and T_{STG}	$R_{\theta JC}$
	<u>W</u>	<u>V dc</u>	<u>V dc</u>	<u>V dc</u>	<u>A dc</u>	<u>°C</u>	<u>°C/W</u>
2N4029	0.5 <u>1/</u>	80	80	5.0	1.0	-55 to +200	150
2N4033	0.8 <u>2/</u>	80	80	5.0	1.0	-55 to +200	25.0

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* 4.5.2, a, end of sentence, add "maximum"; f, delete in its entirety and as changed in amendment 1 and substitute as follows:

"f. Maximum $R_{\theta JC}$ limit shall be 150°C/W for 2N4029 and 25.0 °C/W for 2N4033."

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Table I, subgroup 2, $V_{(BR)CBO}$, delete entire test.

Table I, subgroup 2, I_{EBO1} , minimum limits column, delete "5".

Table I, subgroup 2, h_{FE2} , conditions column; delete " $I_C = 100 \mu A$ dc" and substitute " $I_C = 100$ mA dc".

Table I, subgroup 2, h_{FE3} , conditions column; delete " $I_C = 100 \mu A$ dc" and substitute " $I_C = 500$ mA dc".

MIL-PRF-19500/512C
AMENDMENT 2

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 - 11
DLA - CC

Preparing activity:
DLA - CC
(Project 5961- 2184)

Review activities:
Army - AV
Air Force - 19, 80, 99