

MILITARY SPECIFICATION

SEMICONDUCTOR DEVICE, TRANSISTOR, PNP, GERMANIUM, LOW-POWER
TYPE 2N393

This amendment forms a part of Military Specification MIL-S-19500/77C, dated 6 March 1968, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

1.4, $V_{CE(sat)}$, Max limits column: Delete "-0.07" and substitute "-0.10".

PAGE 2

3.4: Delete "tables I, II, and III" and substitute "table I".

* After 3.5, add the following new paragraph:

"3.6 Manufacturer eligibility. To be eligible to supply transistors to this specification, the manufacturer shall have a product assurance program approval in accordance with MIL-S-19500 for at least one line."

4.2, 4.3, and 4.3.1, delete and substitute the following:

"4.2 Qualification inspection. Qualification inspection is not required.

4.3 Quality conformance inspection. Quality conformance inspection shall consist of group A inspections.

4.3.1 Group A inspection. Group A inspection shall consist of the examinations and tests specified in table I on a 100 percent basis."

4.3.2 and 4.3.3: Delete in their entirety.

PAGE 3

* FIGURE 1: Delete and substitute new figure 1 as printed on page 3 of this amendment.

PAGE 4

4.3.4: Delete in its entirety.

4.4: Delete "tables I, II, and III" and substitute "table I".

TABLE I, LTPD column: Delete.

TABLE I, Subgroup 3, Test method 3071, Max limits column: Delete "-0.07" and substitute "-0.10".

PAGE 5

TABLE I, LTPD column: Delete.

TABLE I, Subgroup 6, Low-temperature operation, test column: Delete "Small-signal short-circuit forward-current transfer ratio" and substitute "Forward-current transfer ratio"; Method column: Delete "3206" and substitute "3076"; Symbol column: Delete " h_{fe} " and substitute " h_{FE} ".

TABLE II: Delete in its entirety.

PAGES 6 AND 7

TABLES II and III: Delete in their entirety.

The margins of this amendment are marked with asterisks to indicate where changes (additions, modifications, corrections, deletions) 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 - ER
Navy - EC
Air Force - 17

Preparing activity:

Army - ER

(Project 5961-0985)

Review activities:

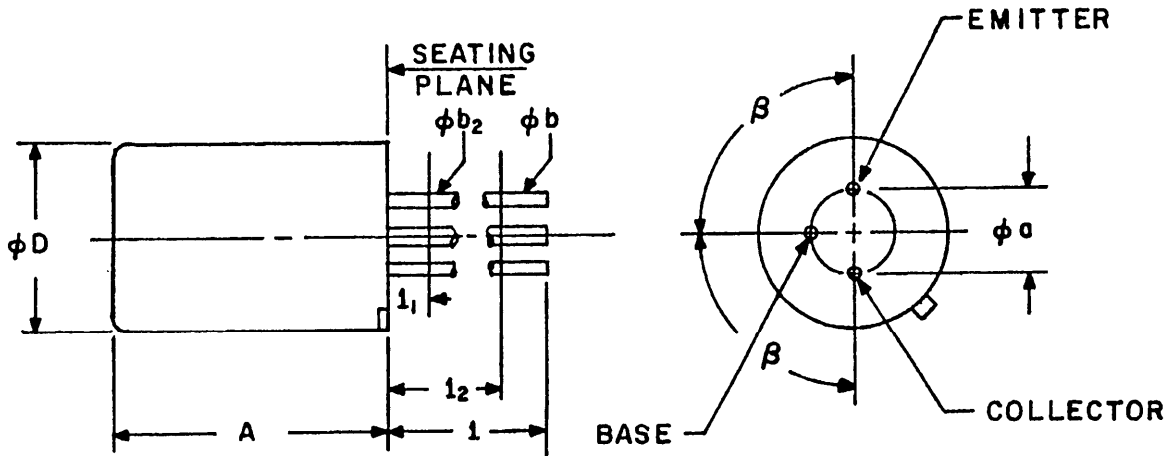
Army - AR
Navy - SH
Air Force - 11, 85
DLA - ES

User activities:

Army - SM
Navy - AS, CG, MC, OS
Air Force - 19

Agent:

DLA - ES



SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN.	MAX.	MIN.	MAX.	
ϕa	.061	.081	1.55	2.06	
A		.410		10.41	
ϕb		.021		.533	1
ϕb_2	.016	.019	.406	.483	1
ϕD		.240		6.10	
1	1.500		38.10		1
l_1		.050		1.27	
l_2	.250		6.35		1
β	90° NOMINAL				

- NOTES:
1. (Three leads) ϕb_2 applies between l_1 and l_2 . ϕb applies between l_2 and 1.5" (38.10 mm) from seating plane. Diameter is uncontrolled in l_1 and beyond 1.5" (38.10 mm) from seating plane.
 2. Metric equivalents are given for general information only.
 3. All leads electrically isolated from case.

FIGURE 1. Physical dimensions of transistor type 2N393.