MIL-S-19500/330A(EL)
AMENDMENT-5

29 January 1974
SUPERSEDING
AMENDMENT-4
15 June 1971

MILITARY SPECIFICATION

SEMICONDUCTOR DEVICE, TRANSISTOR, PNP, GERMANIUM TYPES 2N1557A through 2N1560A

This amendment forms a part of Military Specification MIL-S-19500/330A(EL) dated 13 November 1969 and is approved for use by all Departments and Agencies of the Department of Defense.

Page 2

Paragraph 1.4, $V_{BE}(sat)$ and $V_{CE}(sat)$, columns; change "V_{CE} = 1 Vdc" to read "I_B = -1 Adc".

Page 3

Add the following Paragraph: 4.1.1 Preconditioned-unit constituency of inspection lots. - All semiconductor devices covered herein, each inspection lot presented for Quality Conformance inspection, shall have been subjected to the following preconditioning:

(a) Maintained at T_A=+100°C minimum, for 96 ± 8 hours minimum.

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Subgroup 5 of Group B, under conditions, add: "See figure 4".

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Group C, Subgroup 5, End-Point tests: Change "Same as for Subgroup 2 above", to read "Same as for Subgroup 4 above".

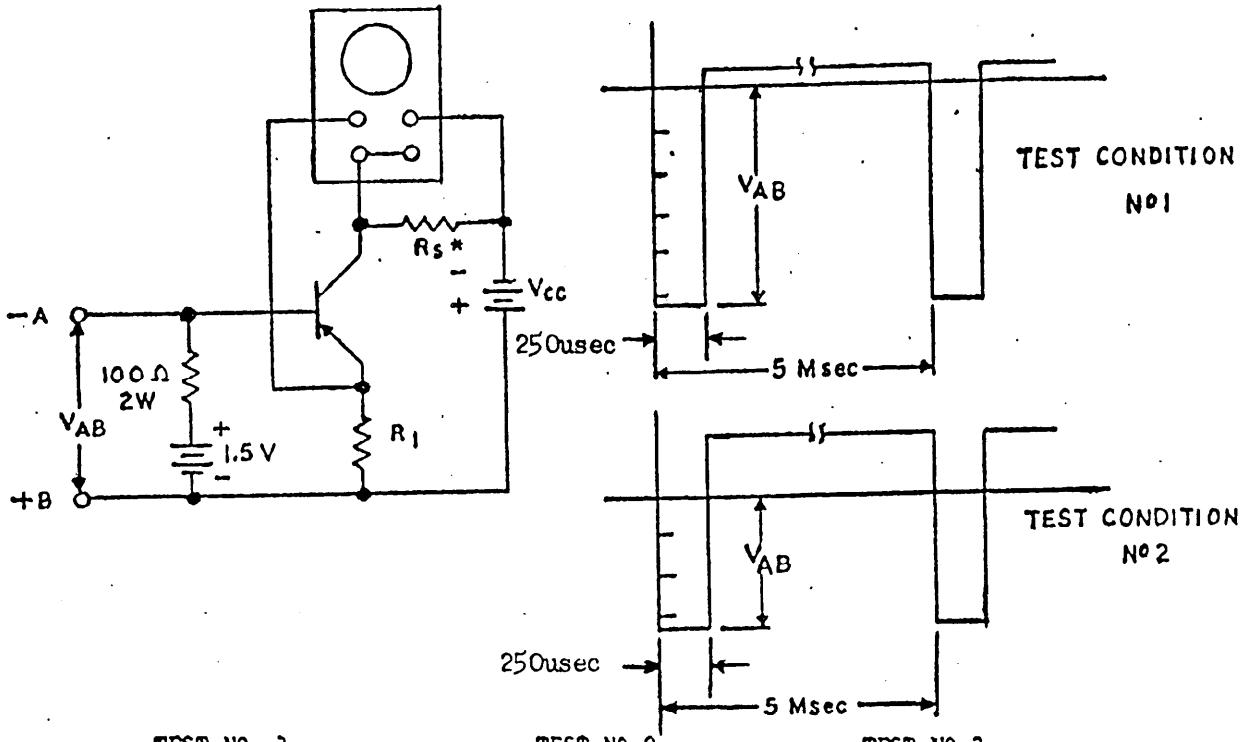
Add: Figure 4.

Page 20

Figure 2, bias resistor; change "9.9 " to "0-50 "

Custodian:
Army-EL

Preparing Activity:
Army-EL
Project No. 5961-A581
FSC-5961



	TEST NO. 1			TEST NO.2			TEST NO.3		
	R_1	V_{AB}**	V_{CC}	R_1	V_{AB}**	V_{CC}	R_1	V_{AB}**	V_{CC}
2N1557A	1Ω, 50W	21.5V	47V	20Ω, 20W	21.5V	50V	5 Ω, 20W	10V	30V
2N1558A	1Ω, 50W	21.5V	56.5V	20Ω, 20W	20.6V	64.0V	10Ω, 20W	13V	42.5V
2N1559A	1Ω, 50W	21.5V	67V	10Ω, 20W	22.5V	77V	10Ω, 20W	10.6V	47V
2N1560A	1Ω, 50W	21.5V	67V	5Ω, 20W	15.6V	81V	20Ω, 20W	15.6V	66V

V_{CC} AND V_{AB} ARE REGULATED POWER SUPPLIES (± 1% BOTH LINE AND LOAD.)

* R_S IS 0.1Ω NON INDUCTIVE 2 WATT. A CURRENT PROBE MAY BE USED IN LIEU OF THIS SENSE RESISTOR.

** ADJUSTMENT WILL BE NECESSARY TO SET THE EXACT CURRENT AND VOLTAGE POINTS SPECIFIED IN TEST 1, 2 AND 3.

TEST Nº 3 A D.C. REGULATED SUPPLY IS CONNECTED TO POINTS A, B (MINUS TO POINT "A").

FIGURE 4. SAFE AREA TEST CIRCUIT