

MIL-S-19500/331A(EL)
AMENDMENT-2

29 January 1974

SUPERSEDING

AMEND-1

15 June 1971

MILITARY SPECIFICATION

SEMICONDUCTOR DEVICE, TRANSISTOR, PNP, GERMANIUM
TYPES 2N1553A through 2N1556A

This amendment forms a part of Military Specification MIL-S-19500/331A(EL) dated 8 February 1971 and is approved for use by all Departments and Agencies of the Department of Defense.

Page 17

Figure 2: Bias resistor; change "9.9 " to "0-50 ".

Page 17

Figure 3: Remove and substitute the attached Figure 3.

Page 18

Figure 4: Remove and substitute the attached Figure 4.

Custodian:
Army-EL

Preparing Activity
Army-EL
Project Nr. 5961 -A582
FSC--5961

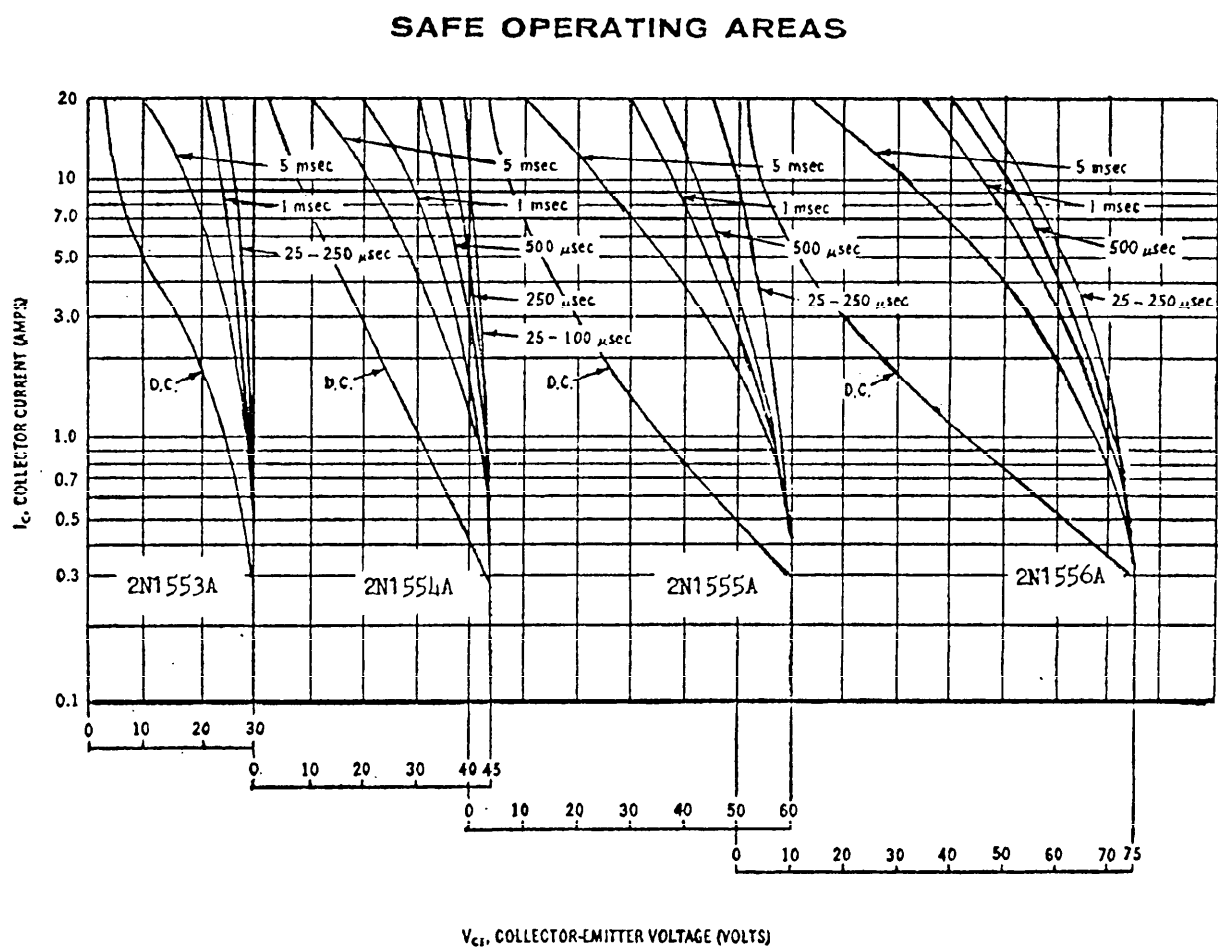
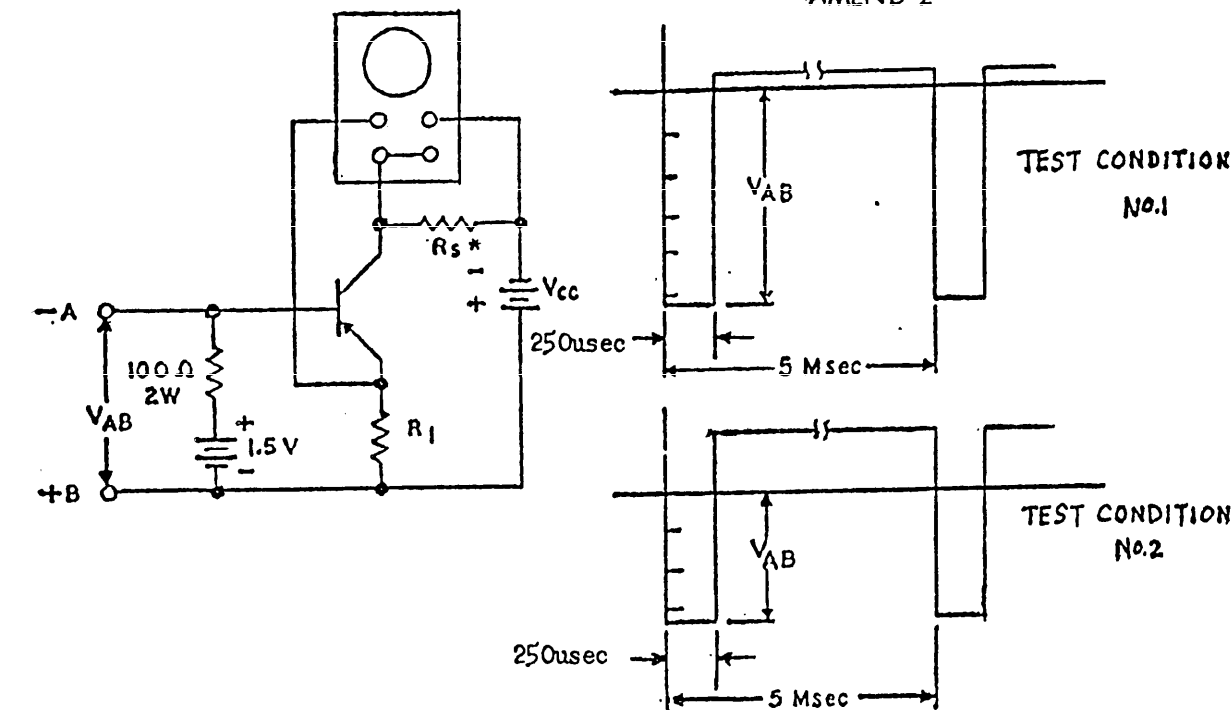


FIGURE 3 Safe operating Area curves.



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}
2N1553A 1 Ω , 50W	21.5V	47V	20 Ω , 20W	21.5V	50V	5 Ω , 20W	10V	30V
2N1554A 1 Ω , 50W	21.5V	56.5V	20 Ω , 20W	20.6V	64.0V	10 Ω , 20W	13V	42.5V
2N1555A 1 Ω , 50W	21.5V	67V	10 Ω , 20W	22.5V	77V	10 Ω , 20W	10.6V	47V
2N1556A 1 Ω , 50W	21.5V	67V	5 Ω , 20W	15.6V	81V	20 Ω , 20W	15.6V	66V

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

* R_S IS 0.1 Ω 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