

# SILICON POWER TRANSISTORS

## 2SB546A, 547A/2SD401A, 402A

### VERTICAL DEFLECTION OUTPUT FOR COLOR TV PNP/NPN SILICON TRIPLE DIFFUSED TRANSISTORS

#### DESCRIPTION

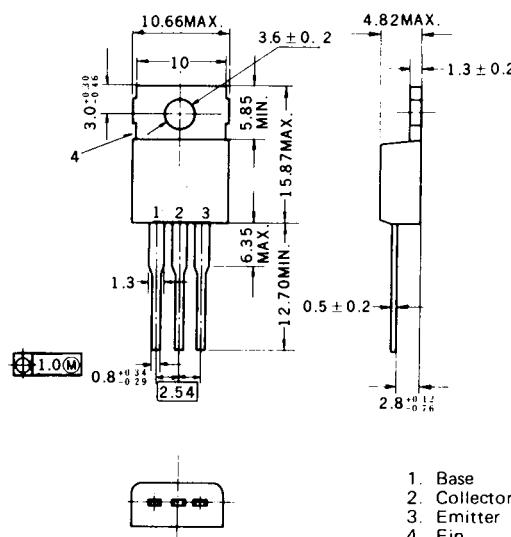
The 2SB546A (PNP), 2SD401A (NPN), 2SB547A (PNP), and 2SD402A (NPN) are high voltage triple diffused silicon transistors. These devices are designed for use in line-operated color TV vertical deflection of complementary symmetry circuit. 2SB546A and 2SD401A are complementary transistors, consisting of straight leads. 2SB547A and 2SD402A consist of emitter and base leads for insertion into TO-66 sockets.

QUICK REFERENCE DATA			
		2SB546A, 2SB547A	2SD401A, 2SD402A
Collector-emitter voltage (open base)	$V_{CEO}$	MAX. 150	150 V
Collector current (peak value)	$I_{CM}$	MAX. 3	3 A
Total power dissipation up to $T_{case} = 25^\circ\text{C}$	$P_{tot}$	MAX. 30	30 W
D.C. Current gain $I_C = -0.4/0.4\text{A}, V_{CE} = -10/10\text{V}$	$h_{FE}$	MIN. 40	40

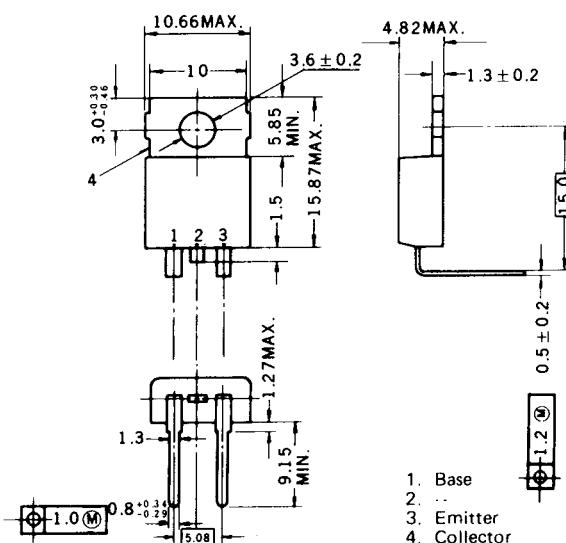
#### MECHANICAL DATA

(Dimensions in mm)

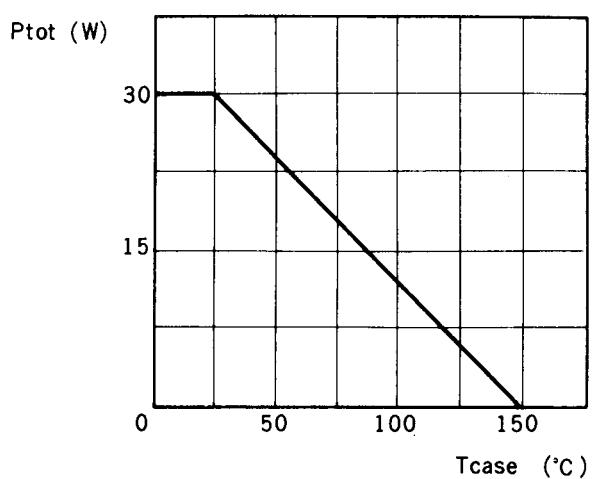
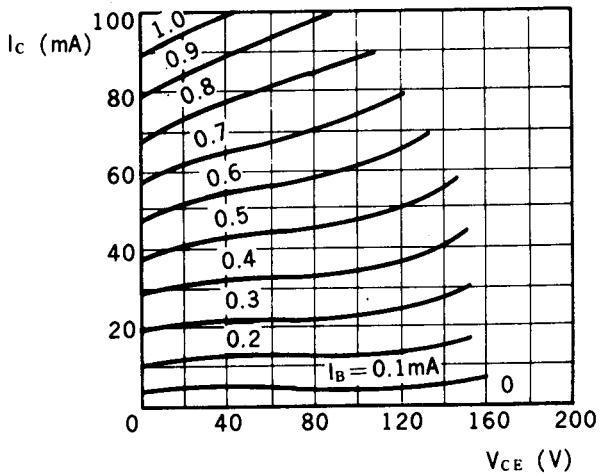
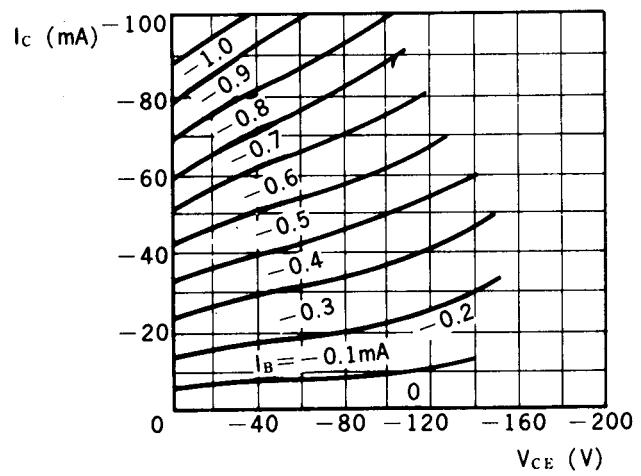
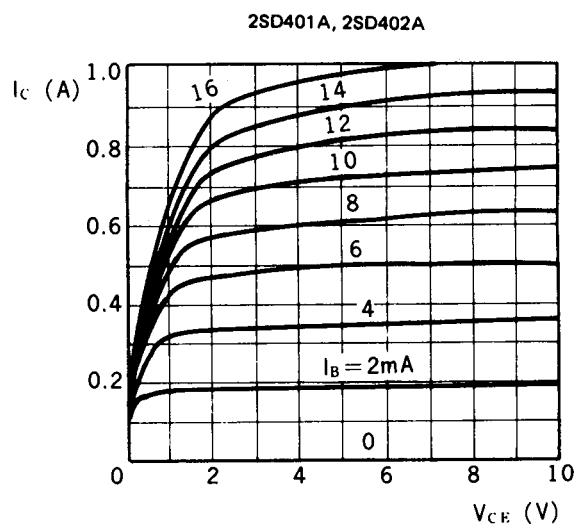
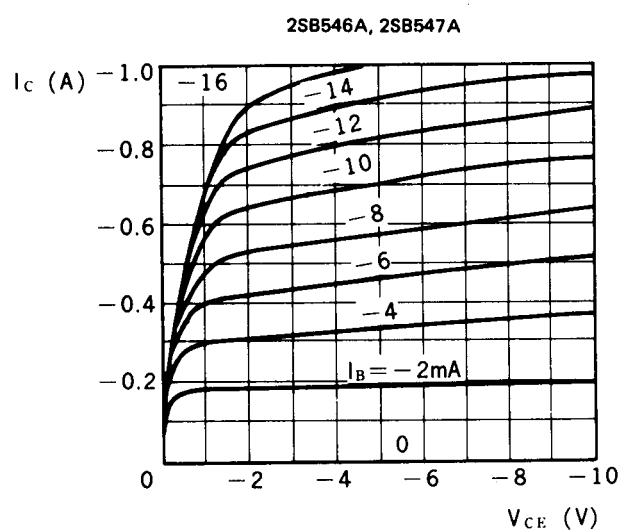
2SB546A, 2SD401A



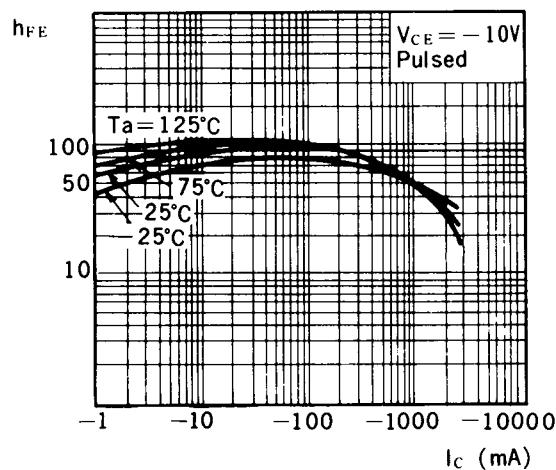
2SB547A, 2SD402A



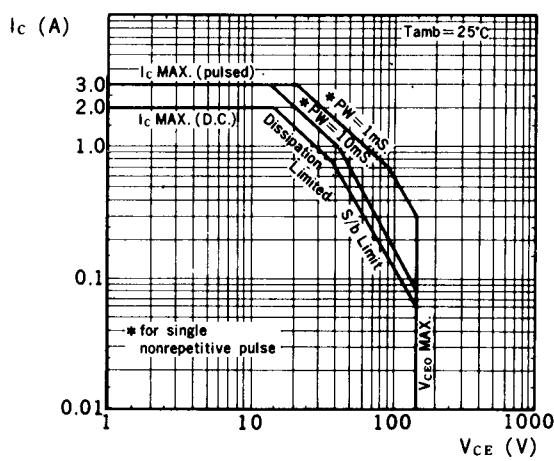
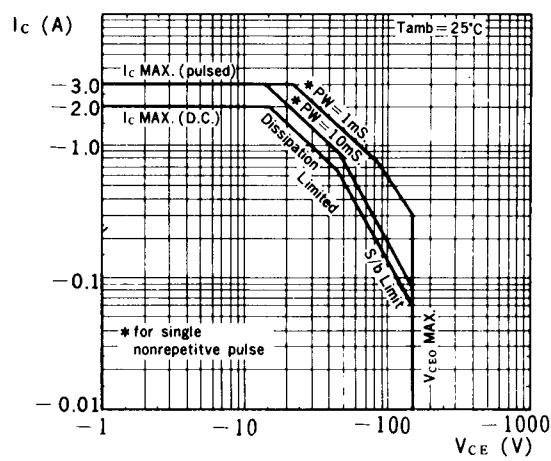
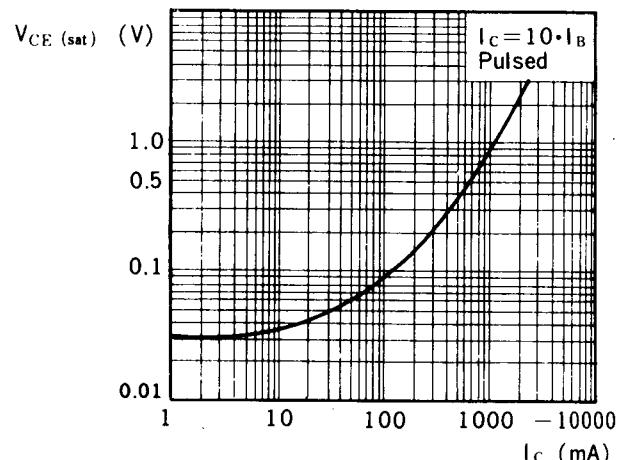
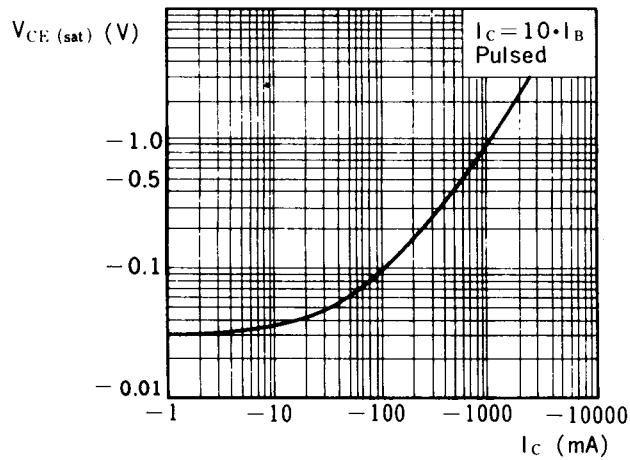
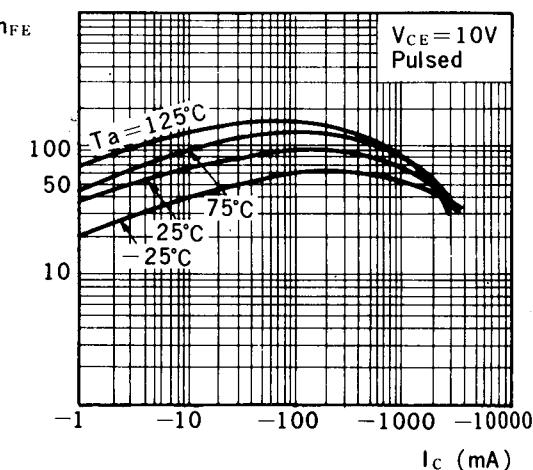


TYPICAL CHARACTERISTICS ( $T_{amb} = 25^\circ\text{C}$ )

2SB546A, 547A



2SD401A, 2SD402A



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