



## 2SA1307

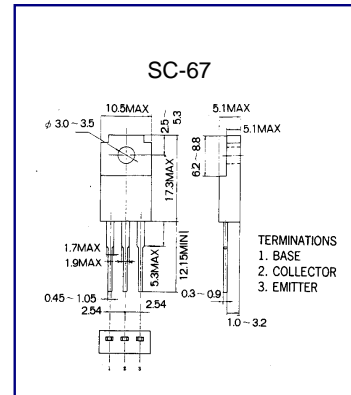
## PNP EPITAXIAL SILICON TRANSISTOR

### POWER AMPLIFIER VERTICAL DEFLECTION OUTPUT

- Complement to 2SC3299

### ABSOLUTE MAXIMUM RATINGS ( $T_A=25^\circ\text{C}$ )

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	$V_{CB0}$	-60	V
Collector-Emitter Voltage	$V_{CE0}$	-50	V
Emitter-Base voltage	$V_{EB0}$	-5	V
Collector Current (DC)	$I_C$	-5	A
Collector Dissipation ( $T_c=25^\circ\text{C}$ )	$P_C$	20	W
Junction Temperature	$T_j$	150	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-50~150	$^\circ\text{C}$



### ELECTRICAL CHARACTERISTICS ( $T_A=25^\circ\text{C}$ )

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Cutoff Current	$I_{CBO}$	$V_{CB} = -150V, I_E = 0$			-10	$\mu\text{A}$
Emitter Cutoff Current	$I_{EBO}$	$V_{EB} = -5V, I_C = 0$			-10	$\mu\text{A}$
DC Current Gain	$h_{FE1}$	$V_{CE} = -1.0V, I_C = -1.0A$	70		240	
Collector- Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -3A, I_B = -0.15mA$			-0.4	V
Current Gain Bandwidth Product	$F_t$	$V_{CE} = -10V, I_C = -0.5A$		60		MHZ

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