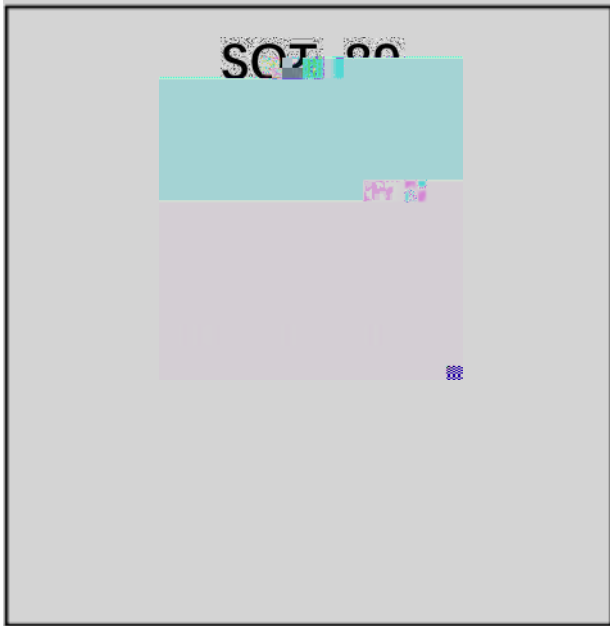


PNP General Purpose Amplifier



Features

- Epoxy meets UL-94 V-0 flammability rating
 - Halogen free available upon request by adding suffix "HF"
 - Moisture Sensitivity Level 1
 - Low collector-emitter saturation voltage $V_{CE(sat)}$
- Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
 - Marking:1S

■Maximum Ratings (Ta=25 °C unless otherwise noted)

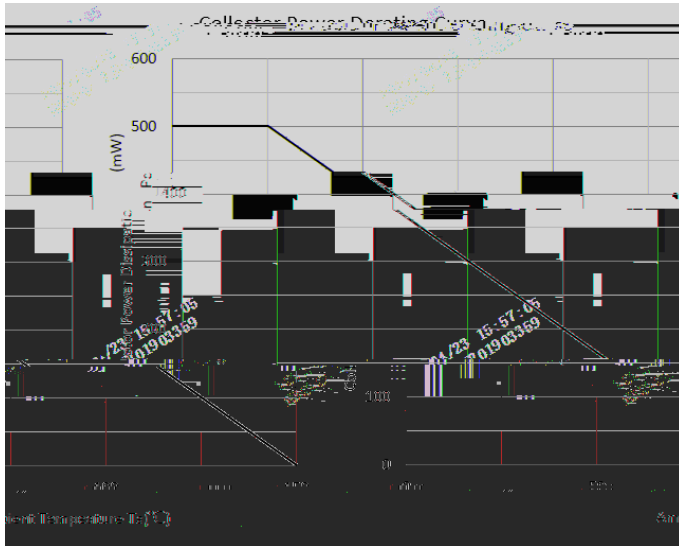
Item	Symbol	Unit	Conditions	Value
Minimum Collector-Emitter Voltage	V_{CEO}	V	$I_C = -10\text{mA}$, $I_B = 0$	-30
Minimum Collector-Base Voltage	V_{CBO}	V	$I_C = -100\mu\text{A}$, $I_E = 0$	-30
Minimum Emitter-Base Voltage	V_{EBO}	V	$I_E = -100\mu\text{A}$, $I_C = 0$	-6
Collector Current	I_C	A		-3
Collector Power Dissipation	P_C	mW		500
Thermal Resistance From Junction To Ambient	$R_{\theta JA}$	/W		250
Operation Junction Temperature	T_J			-55 to +150
Storage Temperature	T_{stg}			-55 to +150



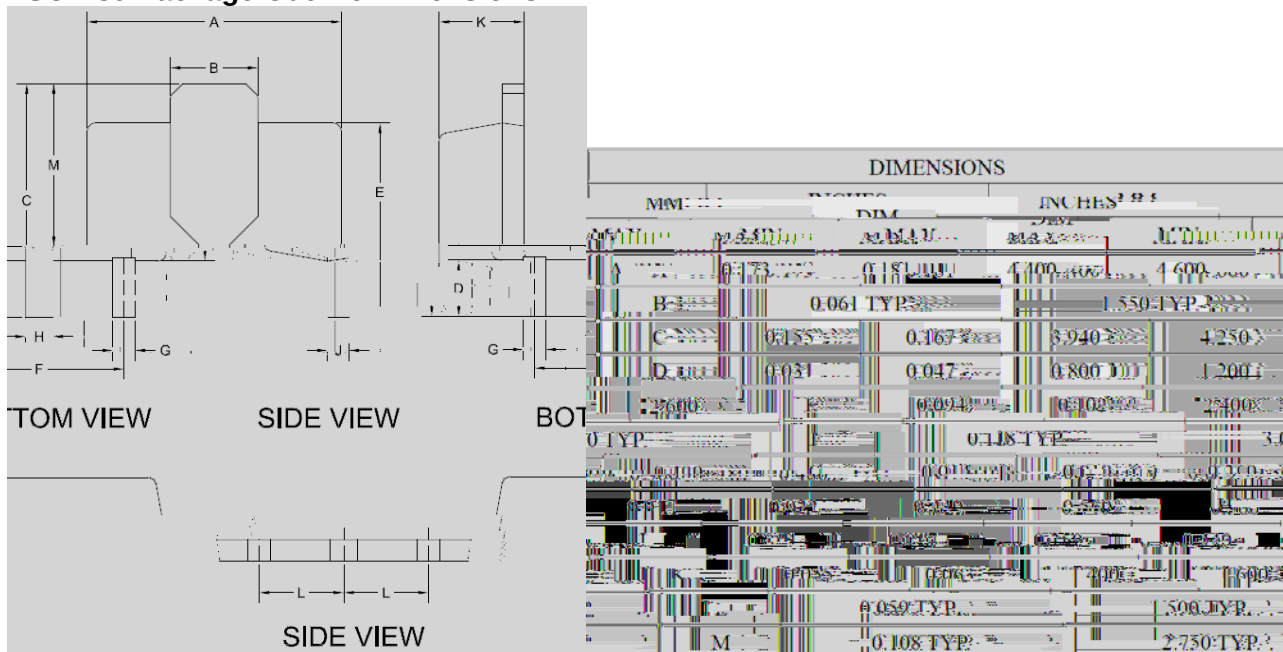
PBSS5330X

■Electrical Characteristics (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Conditions	Min	Max
Collector-Emitter Voltage	V_{CE0}	V	$I_C=-10mA, I_B=0$	-30	
Collector-Base Voltage	V_{CBO}	V	$I_C=-100\mu A, I_E=0$	-30	
Emitter-Base Voltage	V_{EBO}	V	$I_E=-100\mu A, I_C=0$	-6	
Collector-base Cut-off Current	I_{CBO}	nA	$V_{CB}=-30V$		-100
Collector-Emitter cut-off current	I_{CES}	nA	$V_{CE}=-30V, V_{BE}=0V$		-100
Base-emitter Cut-off Current	I_{EBO}	nA	$V_{EB}=-5V$		-100
DC Current Gain	h_{FE}		$I_C=-100mA, V_{CE}=-2V$	200	
			$I_C=-500mA, V_{CE}=-2V$	200	
			$I_C=-1A, V_{CE}=-2V$	175	450
			$I_C=-2A, V_{CE}=-2V$	140	
			$I_C=-3A, V_{CE}=-2V$	100	
Collector-Emitter Saturation Voltage	$V_{CE(sat)1}$	mV	$I_C=-500mA, I_B=-50mA$		-70
	$V_{CE(sat)2}$	mV	$I_C=-1A, I_B=-50mA$		-130
	$V_{CE(sat)3}$	mV	$I_C=-2A, I_B=-50mA$		



■SOT-89 Package Outline Dimensions



■SOT-89 Suggested Pad Layout



Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with