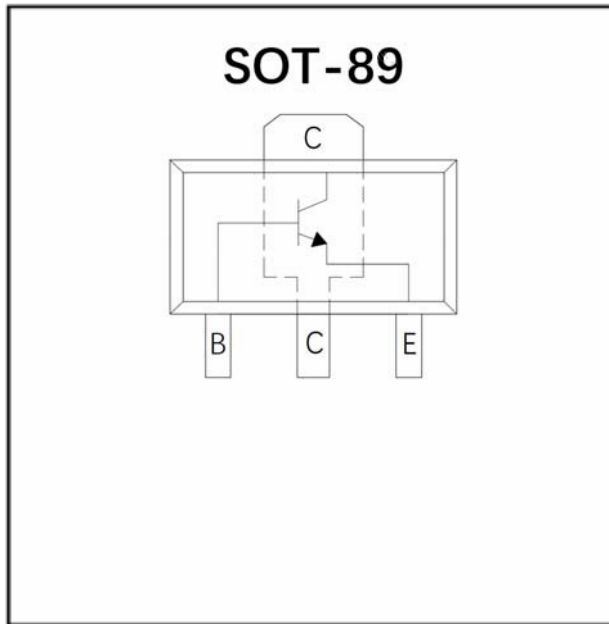


NPN General Purpose Amplifier



Features

- Epoxy meets UL-94 V-0 flammability rating
- Halogen free available upon request by adding suffix "HF"
- Moisture Sensitivity Level 1

Mechanical Data

- **Package:** SOT-89
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:** 1G6

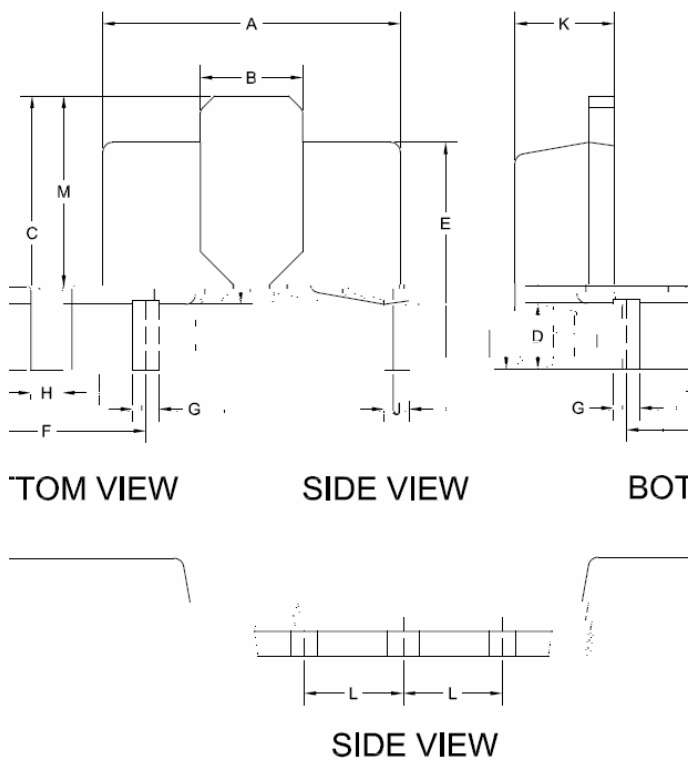
■Maximum Ratings (Ta=25 - unless otherwise noted)

Item	Symbol	Unit	Conditions	Value
Minimum Collector-Emitter Voltage	V_{CEO}	V	$I_C=1mA, I_B=0$	160
Minimum Collector-Base Voltage	V_{CBO}	V	$I_C=100\mu A, I_E=0$	180
Minimum Emitter-Base Voltage	V_{EBO}	V	$I_E=10\mu A, I_C=0$	6
Collector Current	I_C	mA		600
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

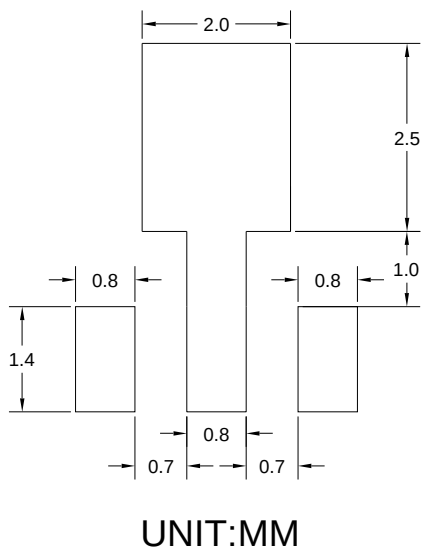
CXT5551



■SOT-89 Package Outline Dimensions



■SOT-89 Suggested Pad Layout





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