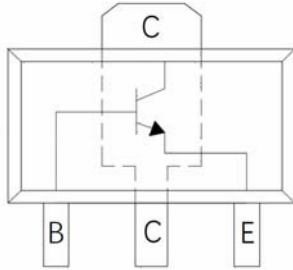


NPN General Purpose Amplifier

SOT-89



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

Mechanical Data

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

Item	Symbol	Unit	Conditions	Value
Minimum Collector-Emitter Voltage	V_{CE0}	V	$I_C=1mA, I_B=0$	80
Minimum Collector-Base Voltage	V_{CBO}	V	$I_C=50\mu A, I_E=0$	100
Minimum Emitter-Base Voltage	V_{EBO}	V	$I_E=50\mu A, I_C=0$	5
Collector Current	I_C	A		1
Collector Power Dissipation	P_C	mW		500

Storage Temperature	T_{stg}			-55 to +150



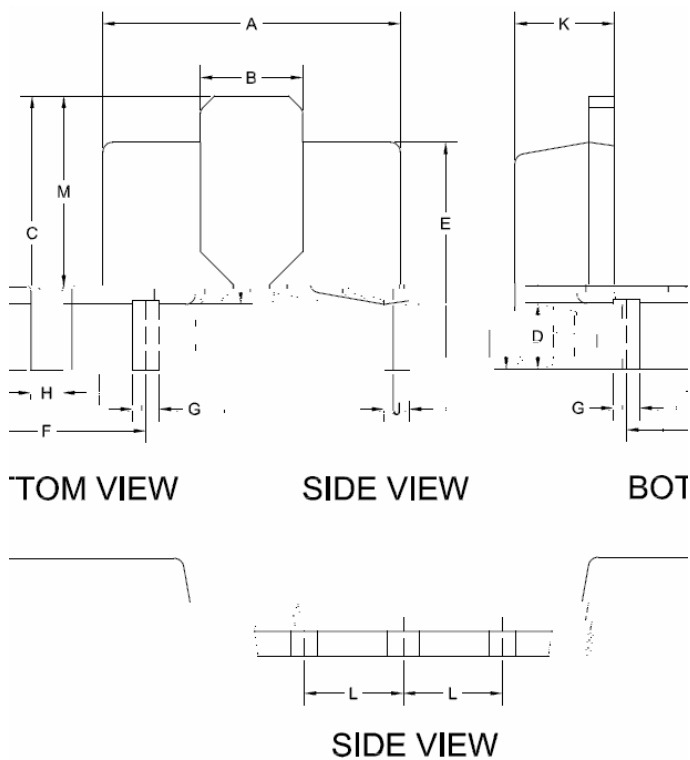
2SD1898-Q

■Electrical Characteristics (Ta=25 unless otherwise noted)

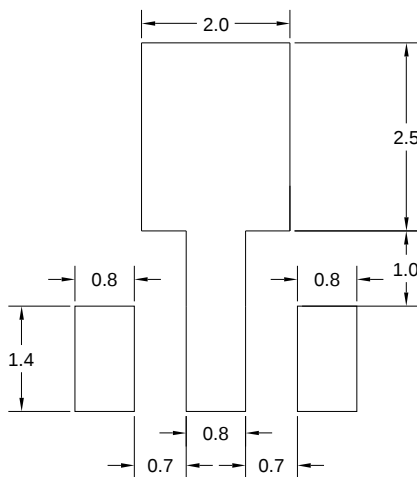
Item	Symbol	Unit	Conditions	Min	TYP	Max
Collector-Emitter Voltage	V_{CEO}	V	$I_C=1mA, I_B=0$	80		
Collector-Base Voltage	V_{CBO}	V	$I_C=50\mu A, I_E=0$	100		
Emitter-Base Voltage	V_{EBO}	V	$I_E=50\mu A, I_C=0$	5		
Collector-Base cut-off current	I_{CBO}	μA	$V_{CB}=80V$			1
Emitter-Base cut-off current	I_{EBO}	μA	$V_{EB}=4V$			1
DC Current Gain	h_{FE}		$V_{CE}=3V, I_C=500mA$	120		270
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	V				



■SOT-89 Package Outline Dimensions



ΩSOT-89 Suggested Pad Layout



UNIT:MM



Disclaimer

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