

**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:** 5401

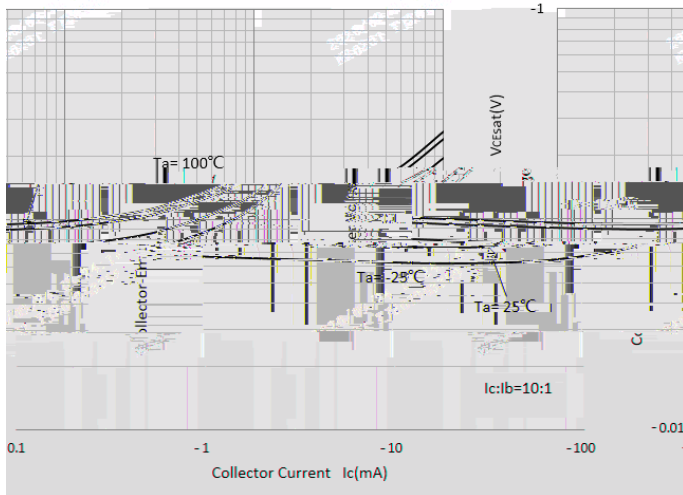
■Maximum Ratings (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Conditions	Value
Minimum Collector-Emitter Voltage	V_{CE}	V	$I_C = -1\text{mA}$, $I_B = 0$	-150
Minimum Collector-Base Voltage	V_{CBO}	V	$I_C = -100\mu\text{A}$, $I_E = 0$	-160
Minimum Emitter-Base Voltage	V_{EBO}	V	$I_E = -10\mu\text{A}$, $I_C = 0$	-5
Collector Current	I_C	mA		-500
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

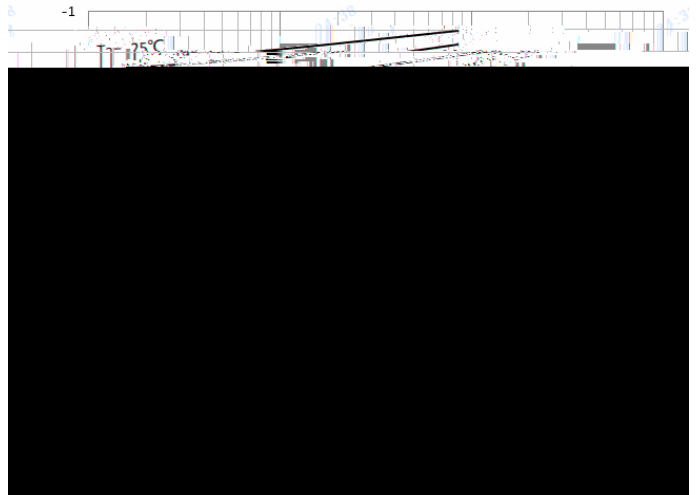


CXT5401

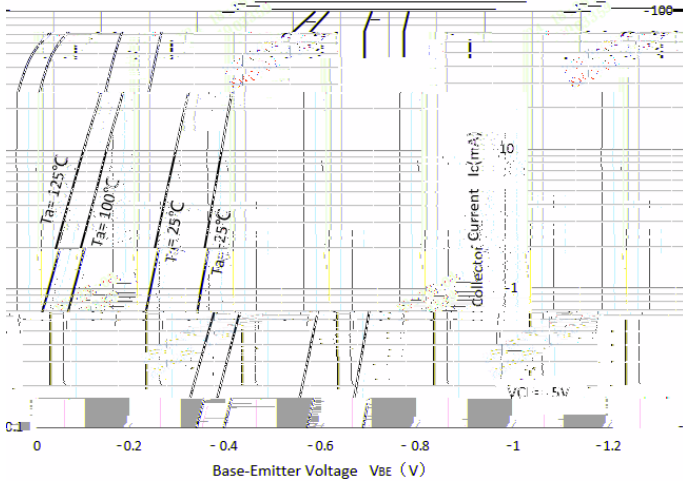
Collector-Emitter Saturation Voltage



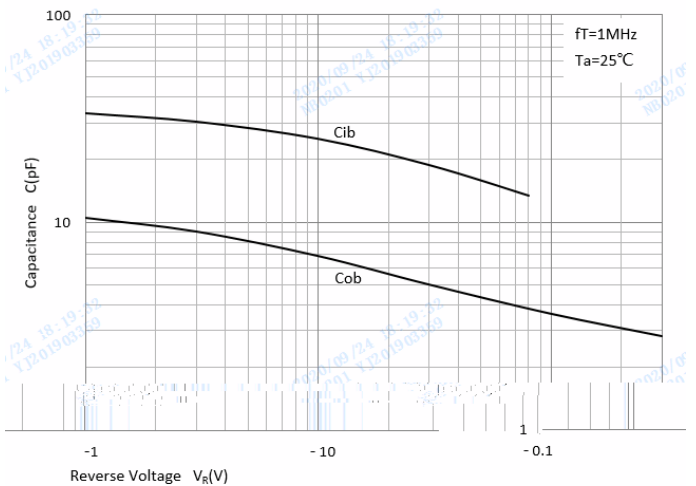
Base-Emitter Saturation Voltage



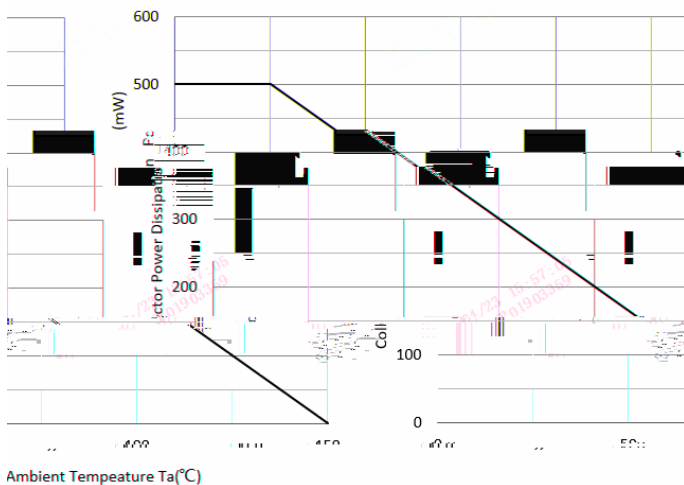
Base-Emitter On Voltage



$C_{ob}/C_{ib}-V_{CB}/V_{EB}$

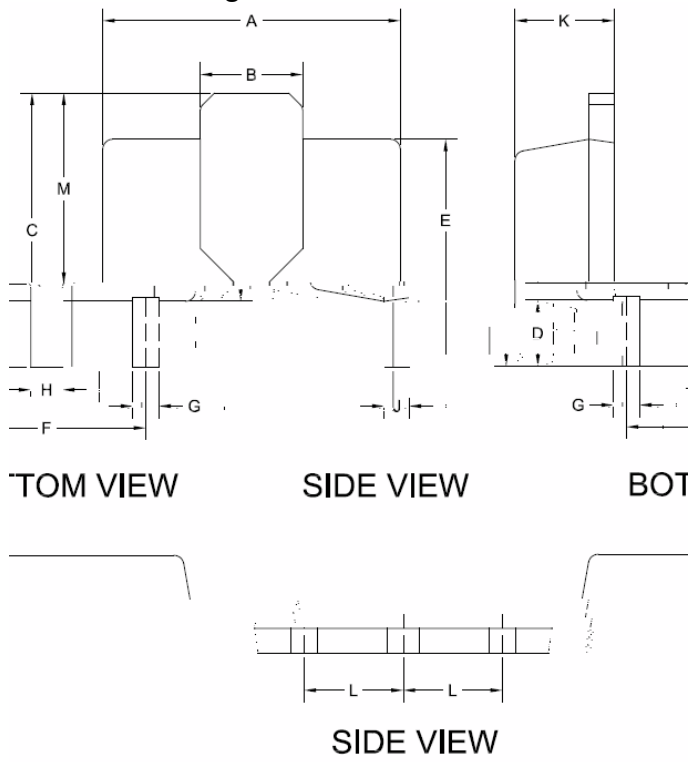


Collector Power Dissipation Capability

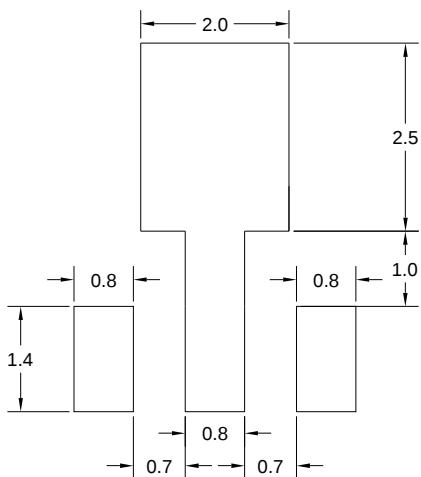




■SOT-89 Package Outline Dimensions



■SOT-89 Suggested Pad Layout



UNIT:MM



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