



MMBD495A/C/S

SURFACE MOUNT SCHOTTKY BARRIER

VOLTAGE 40 Volts **POWER** 250 mW

SOT-23 Unit: inch (mm)

FEATURES

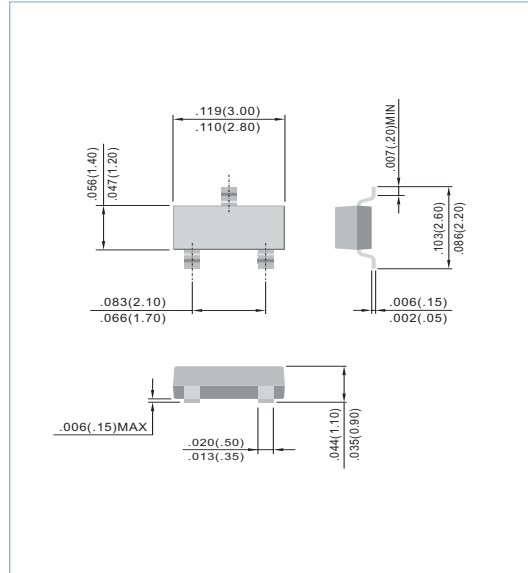
- Low turn-on voltage
- Fast switching
- PN Junction Guard Ring for Transient and ESD Protection.
- Pb free product are available : 99% Sn above can meet RoHS environment substance directive request

MECHANICAL DATA

Case: SOT-23, Plastic

Terminals: Solderable per MIL-STD-750, Method 2026

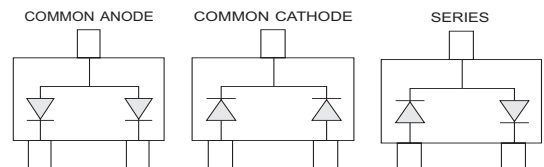
Approx. Weight: 0.008 gram



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Parameter	Symbol	MMBD495A	MMBD495C	MMBD495S	Units
Marking code		95A	95C	95S	
Peak Repetitive Reverse Voltage	V_{RRM}	40			V
Maximum DC Blocking Voltage	V_R	25			V
Maximum Average Forward Current at $T_a=75^\circ\text{C}$	I_o	0.4			A
Peak Forward Surge Current, 1.0s (JEDEC method)	I_{FSM}	2			A
Maximum Instantaneous Forward Voltage @ $I_F=10\text{mA}$ @ $I_F=200\text{mA}$	V_F	0.3 0.5			V
Maximum DC Reverse Current at Rated DC Blocking Voltage @ $V_R=25\text{V}$	I_R	70			μA
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	400			$^\circ\text{C}/\text{W}$
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 TO +125			$^\circ\text{C}$
Circuit Figure		Common Anode	Common Cathode	Series	





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ELECTRICAL CHARACTERISTICS CURVES

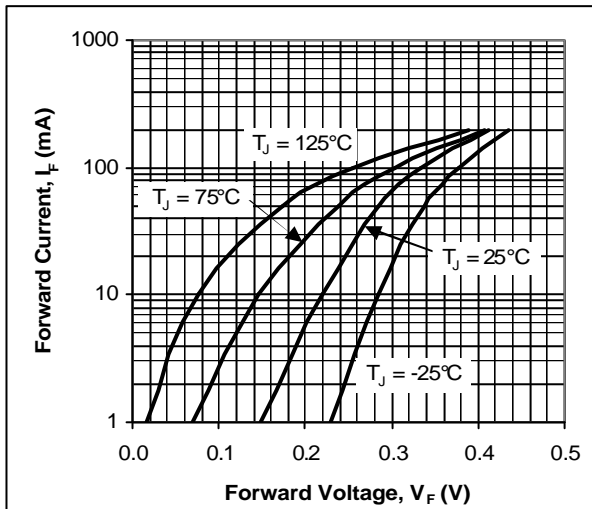


Fig. 1. Typical Forward

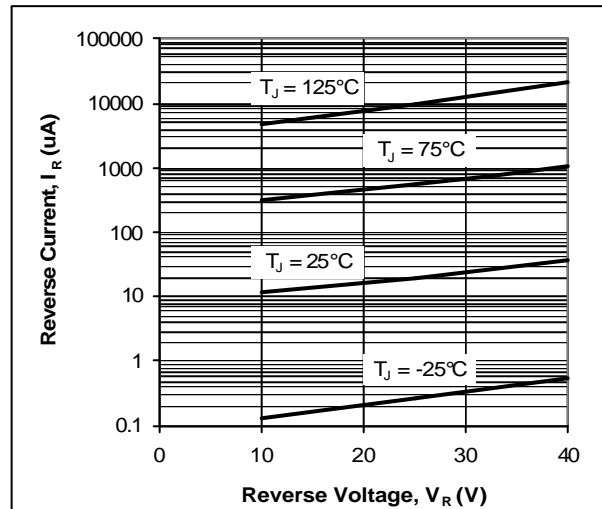


Fig. 2. Typical Reverse

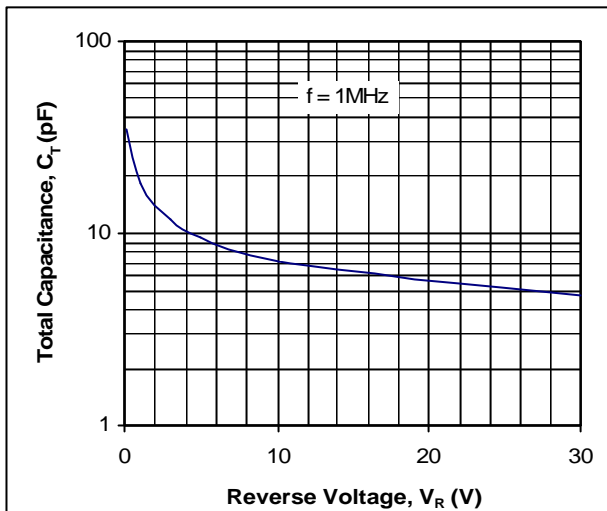
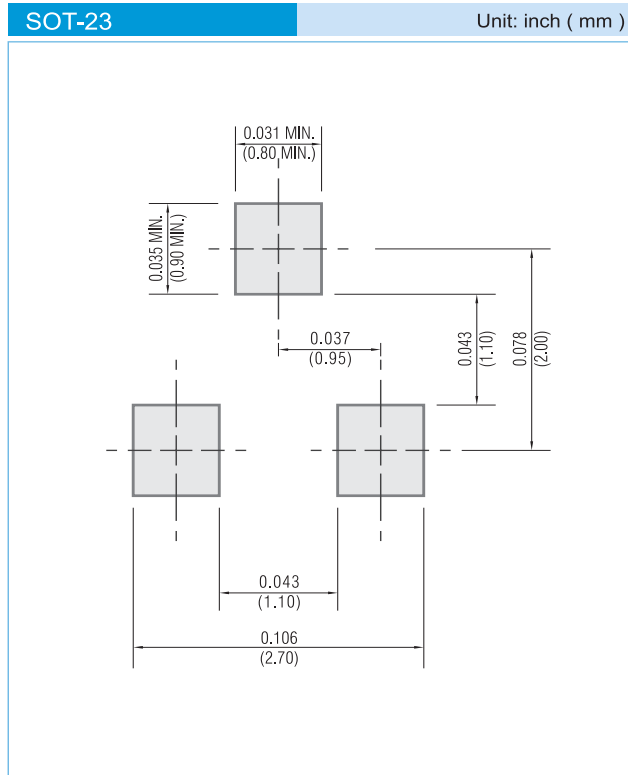


Fig. 3. Typical Capacitance



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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information

T/R - 12K per 13" plastic Reel

T/R - 3K per 7" plastic Reel

LEGAL STATEMENT

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