

MB22S~MB210S

SURFACE MOUNT SCHOTTKY BRIDGE RECTIFIER

VOLTAGE 20 to 100 Volt **CURRENT** 2.0 Ampere

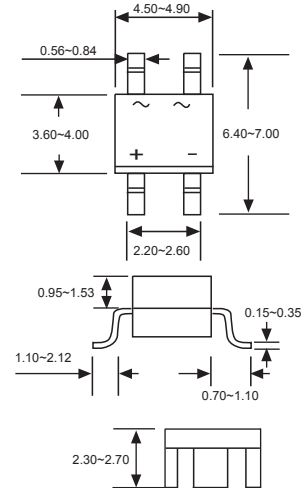
FEATURES

- Schottky barrier rectifier diode chip device
- Saves space on printed circuit boards
- Reliable low cost construction utilizing molded
- Lead free in compliance with EU RoHS

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0

MBS Unit:mm



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	MB22S	MB24S	MB26S	MB28S	MB210S	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	40	60	80	100	V
Maximum RMS Voltage	V_{RMS}	14	28	42	56	70	V
Maximum DC Blocking Voltage	V_{DC}	20	40	60	80	100	V
Maximum Average Forward Current (see FIG.1)	$I_{F(AV)}$	2.0					A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	50					A
Maximum Forward Voltage at 2.0 A	V_F	0.50		0.70		0.85	V
Maximum DC Reverse Current at Rated DC Blocking Voltage $T_J = 25^{\circ}C$ $T_J = 100^{\circ}C$	I_R	0.5 20					mA
Thermal Resistance	$R_{\theta JA}$	85					$^{\circ}C / W$
Operating Junction Temperature Range	T_J	-55 to +150					$^{\circ}C$
Storage Temperature Range	T_{STG}	-55 to +150					$^{\circ}C$

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RATING AND CHARACTERISTIC CURVES

Fig.1 - Forward Current Derating Curve

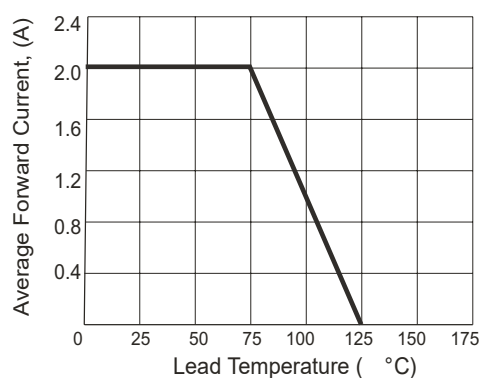


Fig. 2 - Peak Forward Surge Current

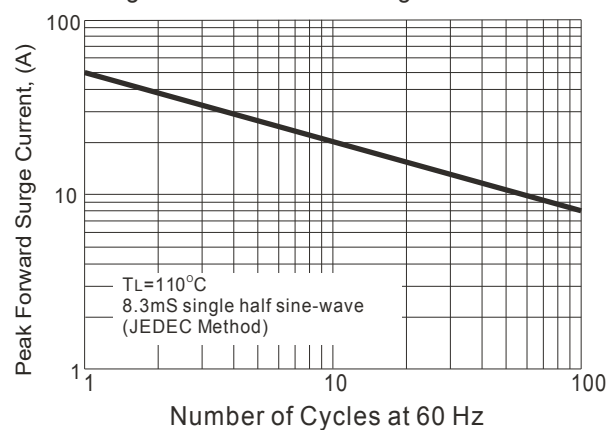


Fig. 3 - Typical Instantaneous Forward Characteristics

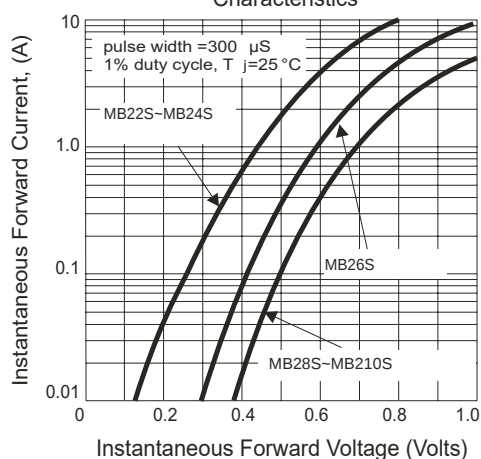
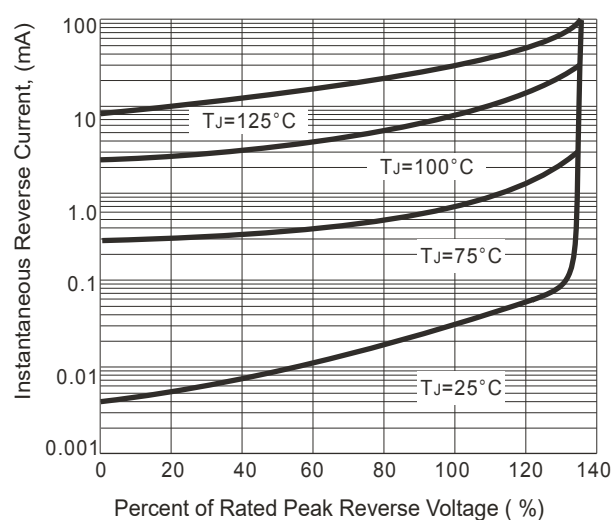


Fig. 4 - Typical Reverse Characteristics



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ORDER INFORMATION

- Packing information

Part Number	Case	DELIVERY MODE	QUANTITY
MB22S~MB210S	MBS	13 Inch	3000/Reel