

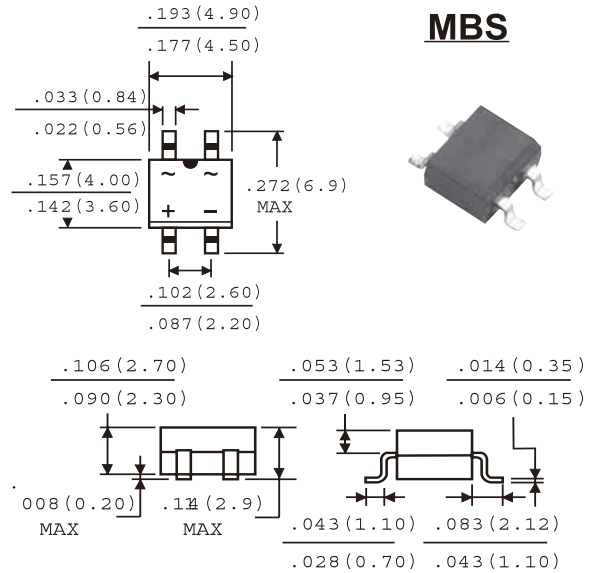


Features

- ✧ Ideal for printed circuit board
- ✧ Reliable low cost construction utilizing molded plastic technique
- ✧ High surge current capability
- ✧ High temperature soldering guaranteed: 260 °C / 10 seconds at 5 lbs., (2.3 kg) tension
- ✧ Small size, simple installation
- ✧ Pure tin plated terminal, Lead free. Leads solderable per MIL-STD-202 Method 208
- ✧ Green compound with suffix "G" on packing code & prefix "G" on datecode.
- ✧ Weight: 0.123 grams

Mechanical Data

- ✧ Case: Molded plastic
- ✧ Terminals: Leads solderable per MIL-STD-202 Method 208
- ✧ Weight: 0.123 grams



Maximum Ratings and Electrical Characteristics

Rating at 25 °C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number	Symbol	RMB2S	RMB4S	RMB6S	Units
Maximum Recurrent Peak Reverse Voltage	VRRM	200	400	600	V
Maximum RMS Voltage	VRMS	140	280	420	V
Maximum DC Blocking Voltage	VDC	200	400	600	V
Maximum Average Forward Rectified Current C On glass-epoxy P.C.B. On aluminum substrate	IF (AV)	1.0			A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDE method)	IFSM	30			A
Maximum Instantaneous Forward Voltage @ 0.4A	VF	1.0			V
Maximum D Reverse urrent @ TA=25 ° at Rated DC Blocking Voltage (Note 1) @ TA=125 °C	IR	5.0 100			uA uA
Maximum Reverse Recovery Time at (Note 2)	Trr	150			nS
Typical Junction Capacitance Per Leg	Cj	13			pF
Typical Thermal Resistance Per Leg	RθJA	85			°C /W
Operating Temperature Range	TJ	-55 to +150			°C
Storage Temperature Range	TSTG	-55 to +150			°C

Note: 1. Pulse Test with PW=300 usec, 1% Duty Cycle

2. Reverse Recovery Test Conditions: IF=0.5A, IR=1.0A, IRR=0.25A

RATINGS AND CHARACTERISTIC CURVES (RMB2S THRU RMB6S)

FIG.1- DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

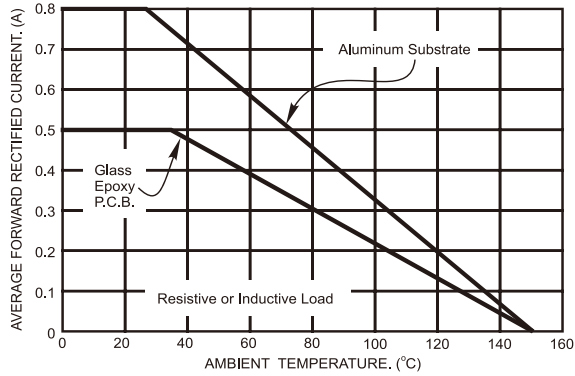


FIG.3- MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

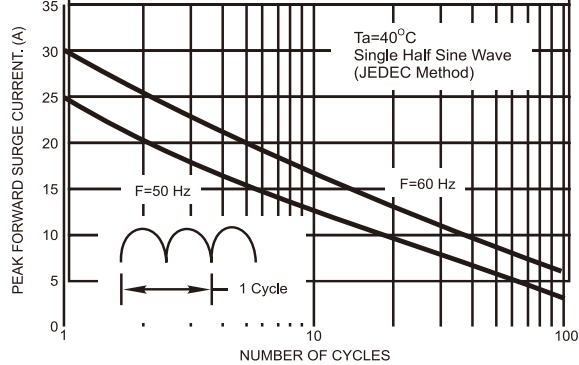


FIG.4- TYPICAL JUNCTION CAPACITANCE PER LEG

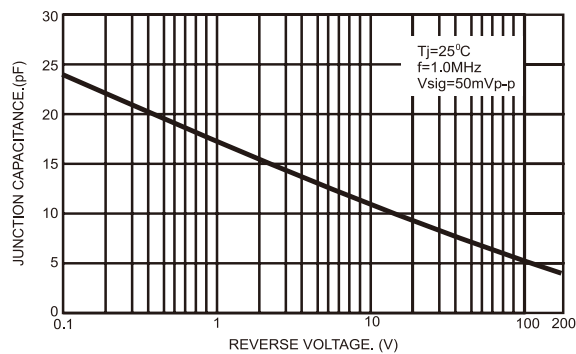


FIG.2- TYPICAL REVERSE LEAKAGE CHARACTERISTICS PER LEG

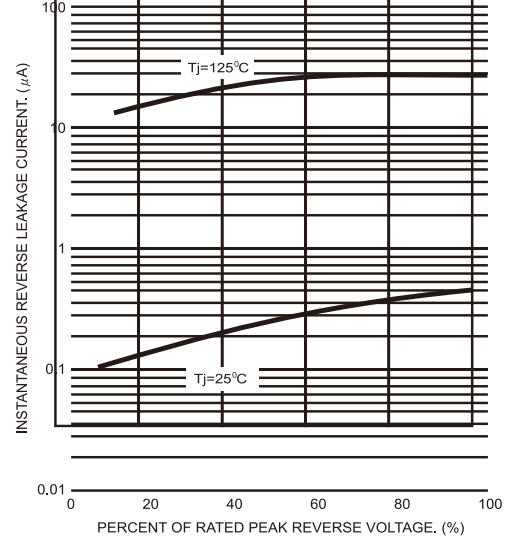


FIG.5- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER LEG

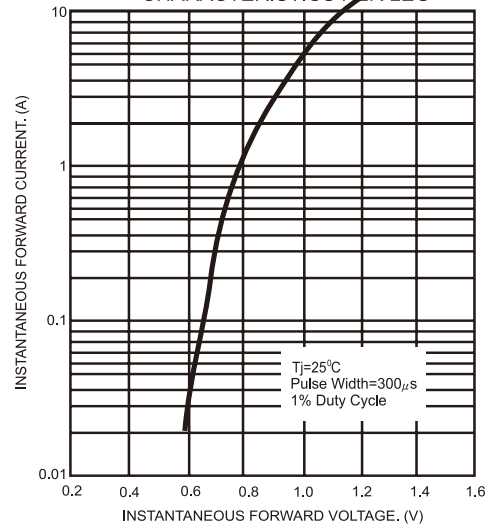


FIG.6- REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM

