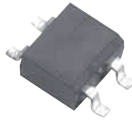


RMB2S - RMB6S

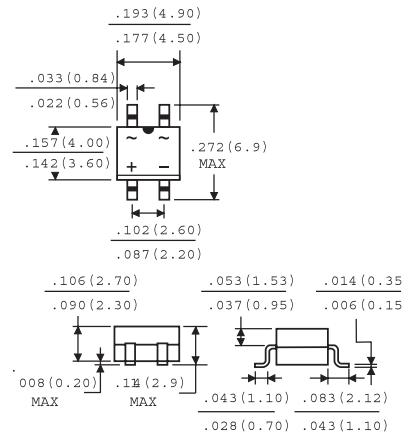
0.8Amps Miniature Glass Passivated
Fast Recovery Surface Mount Bridge Rectifiers



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.

MBS



Dimensions in inches and (millimeters)

Marking Diagram



RMBX = Specific Device Code
G = Green Compound
Y = Year
M = Work Month

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 On glass-epoxy P.C.B. On aluminum substrate	I(AV)		0.5 0.8		A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	IFSM		30		A
Maximum Instantaneous Forward Voltage @ 0.4A	VF		1.0		V
Maximum DC Reverse Current @ TA=25 °C at Rated DC Blocking Voltage @ TA=125 °C	IR		5.0 100		uA uA
Maximum Reverse Recovery Time at (Note 1)	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: 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

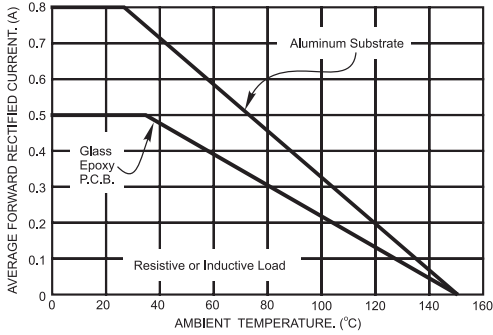


FIG.2- TYPICAL REVERSE LEAKAGE CHARACTERISTICS PER LEG

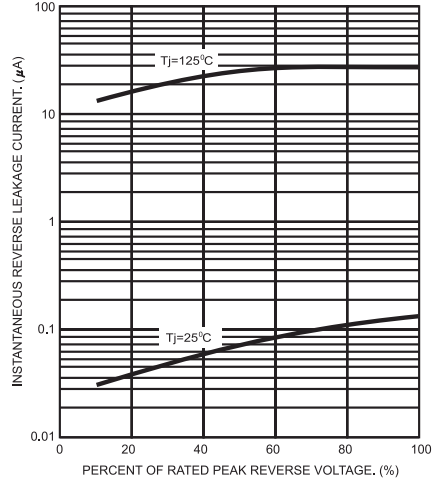


FIG.3- MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

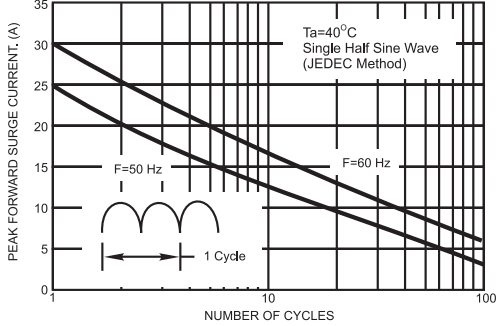


FIG.5- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER LEG

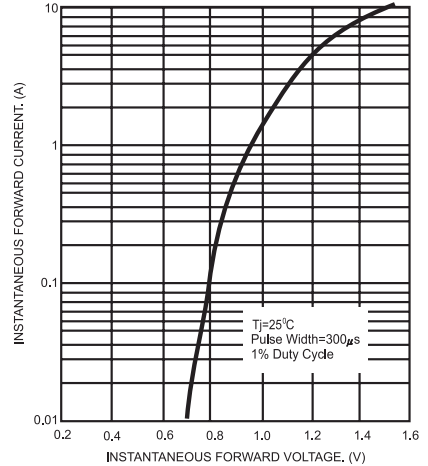


FIG.4- TYPICAL JUNCTION CAPACITANCE PER LEG

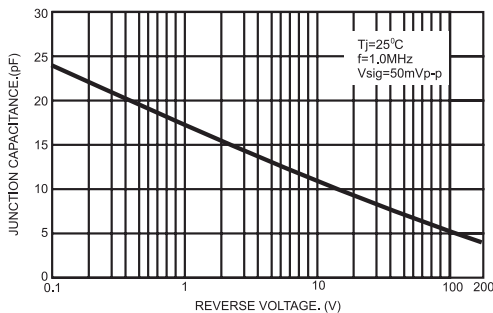
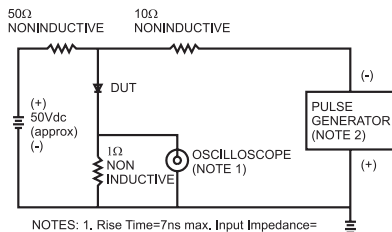


FIG.6- REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM



NOTES: 1. Rise Time=7ns max. Input Impedance= 1 megohm 22pf
2. Rise Time=10ns max. Source Impedance= 50 ohms

