

# RMB2S - RMB6S

0.8 AMP. Miniature Glass Passivated  
Fast Recovery Surface Mount Bridge Rectifiers

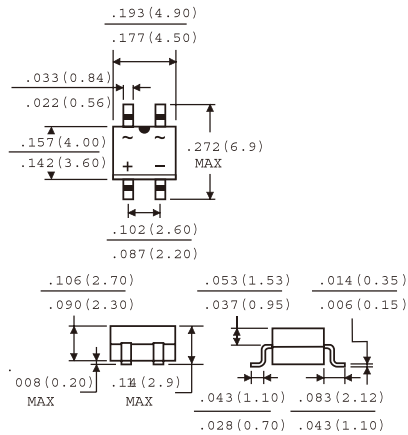
**MBS**

## Features

- ✧ UL Recognized File # E-326243
- ✧ 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



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

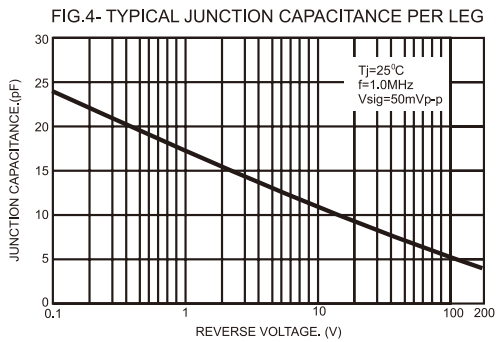
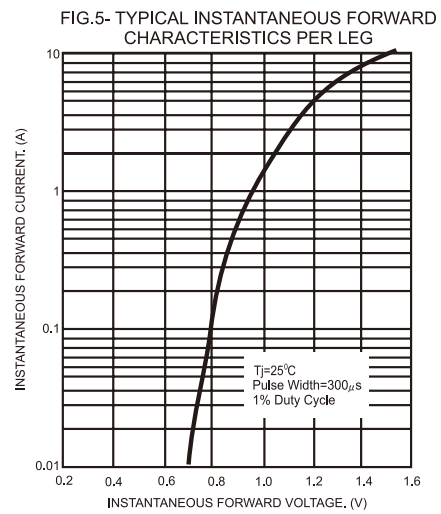
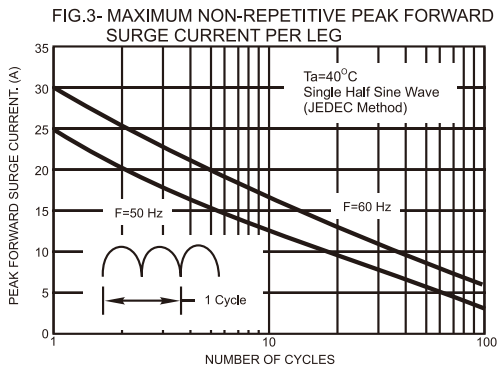
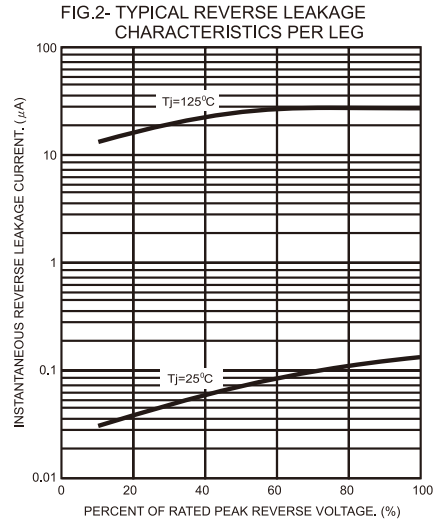
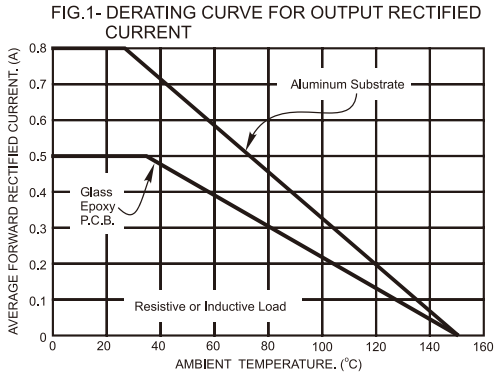
## Maximum Ratings and Electrical Characteristics

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	IF(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 (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.6- REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM**

