



RoHS Compliant

Features:

- · Ideal for printed circuit board
- · Reliable low cost construction utilizing moulded plastic technique
- High surge current capability
- High temperature soldering guaranteed: 260°C/10 seconds at 5lbs.,
 (2.3 kg) tension
- · Small size, simple installation
- Pure tin plated terminal, Lead free Leads solderable per MIL-STD-202 Method 208.

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified Single phase, half wave, 60Hz, 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	
Maximum DC Blocking Voltage	VDC	200	400	600	
Maximum Average Forward Rectified Current On glass-epoxy PCB On aluminum substrate	I _(AV)	0.5 0.8			- A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	IFSM	30			
Maximum Instantaneous Forward Voltage at 0.4A	VF	1			V
Maximum DC Reverse Current at TA = 25°C at Rated DC Blocking Voltage at TA = 125°C	I	5 100			μА
Maximum Reverse Recovery Time at (Note)	T _{rr}	150		nS	
Typical Junction Capacitance Per Leg	C _j	13		pF	
Typical Thermal Resistance Per Leg	$R_{\scriptscriptstyle{\theta ja}}$	85		°C/W	
Operating Temperature Range	T _j	-55 to +150			°C
Storage Temperature Range	Тѕтс				

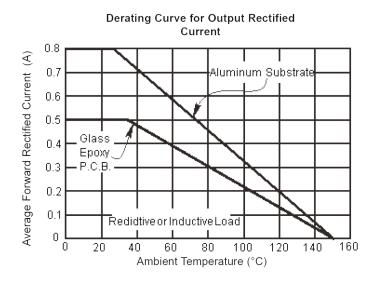
Note: Reverse Recovery Test Conditions: IF = 0.5A, IR = 1.0A, IRR = 0.25A.

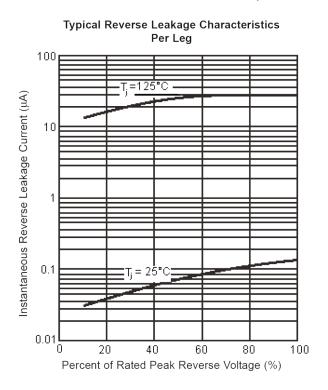
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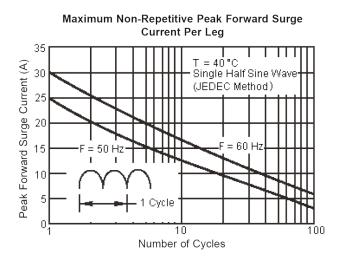


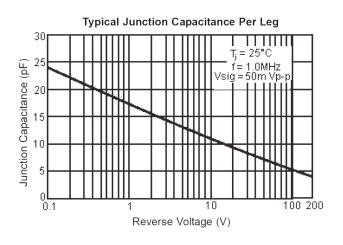


Ratings and Characteristic Curves (GBL01, GBL02, GBL04, GBL06, GBL08 and GBL10)

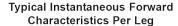


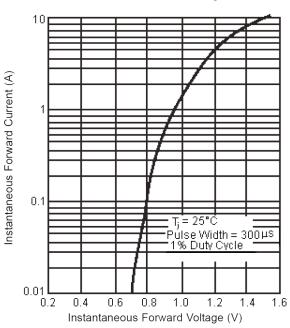




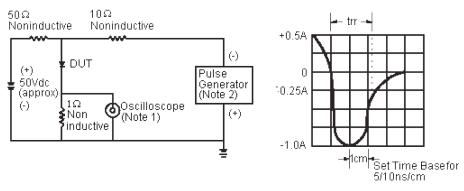








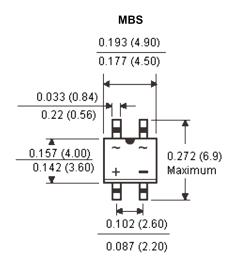
Reverse Recovery Time Characteristic and Test Circuit Diagram

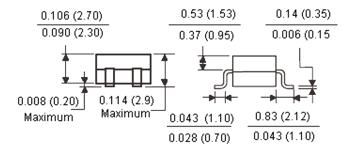


Notes: 1. Rise Time = 7ns maximum Input Impedance = $1M\Omega$ 22pf 2. Rise Time = 10ns maximum Sourse Impedance = 50Ω

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Dimensions: Inches (Millimetres)

Part Number Table

Description	Part Number		
Bridge Rectifier, 0.5A, 200V	RMB2S		
Bridge Rectifier, 0.5A, 400V	RMB4S		
Bridge Rectifier, 0.5A, 600V	RMB6S		

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