

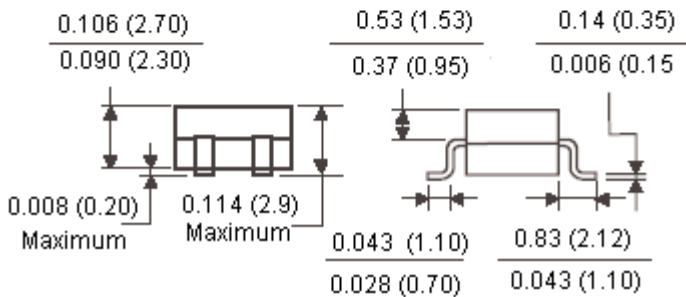
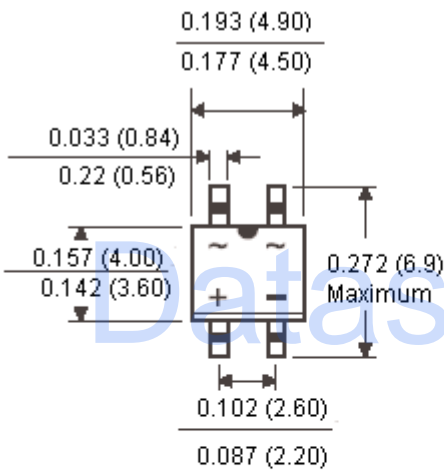


Features:

- 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.



MBS



Dimensions : Inches (Millimetres)

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

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

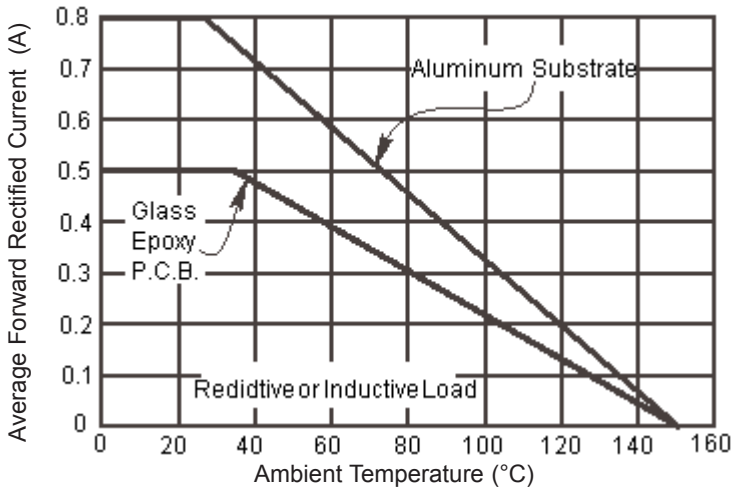
For capacitive load, derate current by 20%.

Type Number	Symbol	RMB2S	RMB4S	RMB6S	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	200	400	600	V
Maximum RMS Voltage	V_{RMS}	140	280	420	
Maximum DC Blocking Voltage	V_{DC}	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)	I_{FSM}	30			
Maximum Instantaneous Forward Voltage at 0.4A	V_F	1.0			V
Maximum DC Reverse Current at $T_A = 25^\circ\text{C}$ at Rated DC Blocking Voltage at $T_A = 125^\circ\text{C}$	I_R	5.0 100			μA μA
Maximum Reverse Recovery Time at (Note)	T_{rr}	150			nS
Typical Junction Capacitance Per Leg	C_J	13			pF
Typical Thermal Resistance Per Leg	$R_{\theta JA}$	85			$^\circ\text{C}/\text{W}$
Operating Temperature Range	T_J	-55 to +150			$^\circ\text{C}$
Storage Temperature Range	T_{STG}				

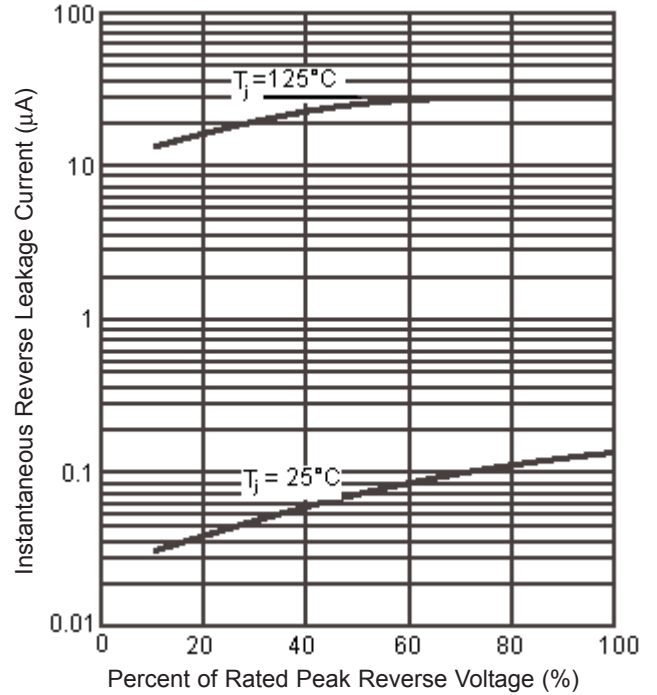
Note: Reverse Recovery Test Conditions: $I_F = 0.5\text{A}$, $I_R = 1.0\text{A}$, $I_{RR} = 0.25\text{A}$.

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

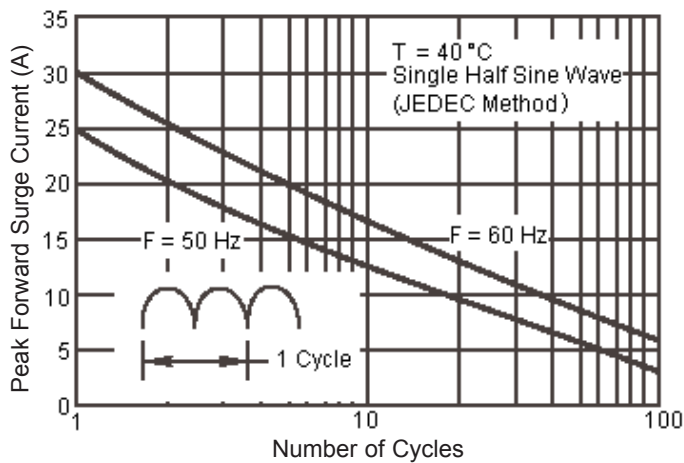
Derating Curve for Output Rectified Current



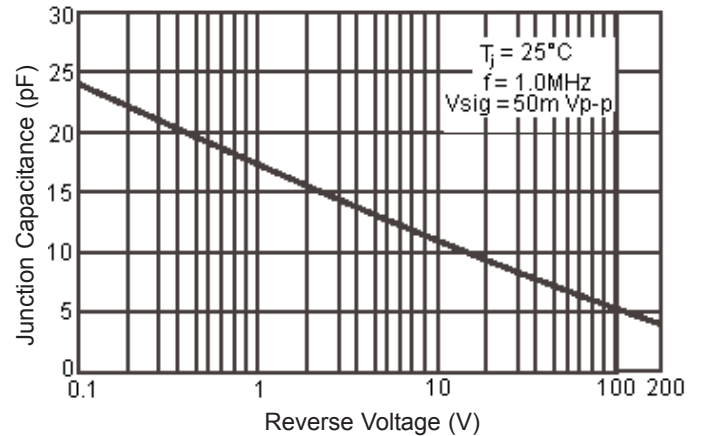
Typical Reverse Leakage Characteristics Per Leg



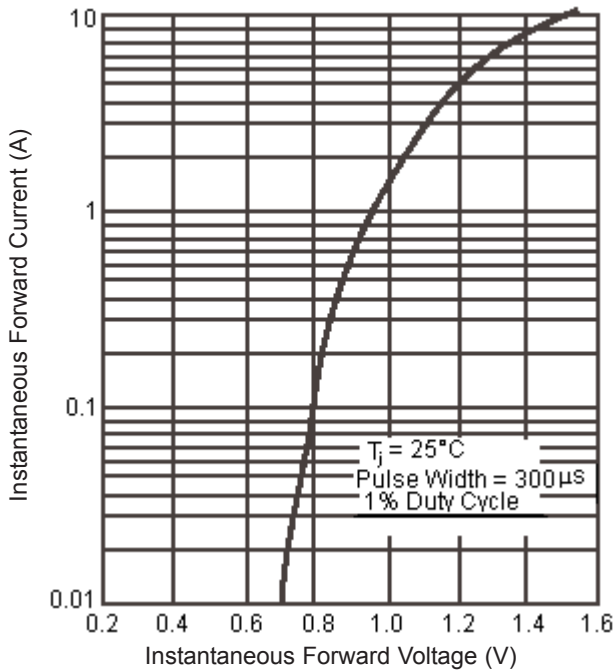
Maximum Non-Repetitive Peak Forward Surge Current Per Leg



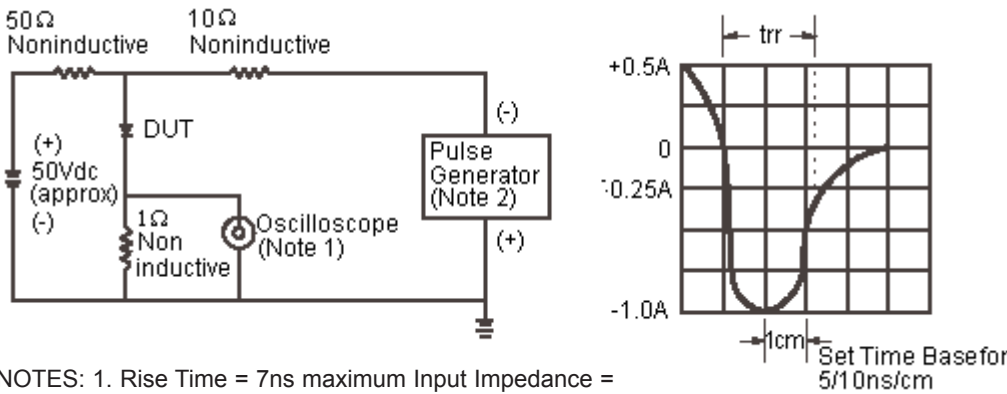
Typical Junction Capacitance Per Leg



Typical Instantaneous Forward Characteristics Per Leg



Reverse Recovery Time Characteristic and Test Circuit Diagram



Part Number Table

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

Notes:

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