

RMA2S Thru RMA6S

0.8Amps Miniature Glass Passivated Fast Recovery Surface Mount Bridge Rectifiers

Features:

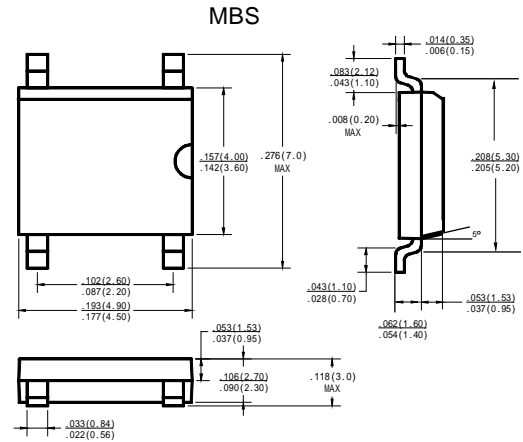
- Ideal for printed circuit board
- Reliable low cost construction utilizing moulded plastic technique
- High surge current capability
- High temperature soldering guaranteed: 260°C/10 seconds at 5lbs., (2.3 kg) tension
- Small size, simple installation
- Pure tin plated terminal, Lead free
Leads solderable 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	RMA2S	RMA4S	RMA6S	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	0.95	1.3	1.7	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	5 100			μA
Maximum Reverse Recovery Time at (Note)	T_{rr}	35			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 (RMA2S THRU RMA6S)

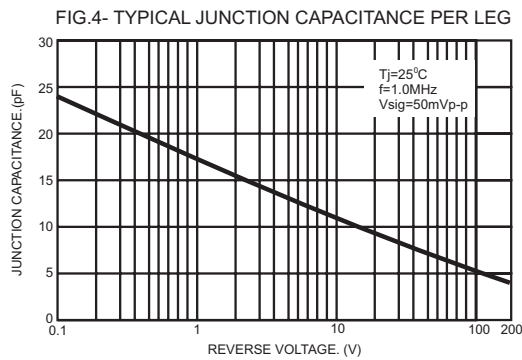
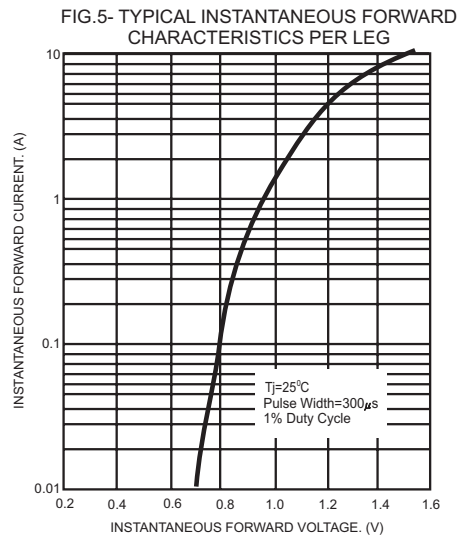
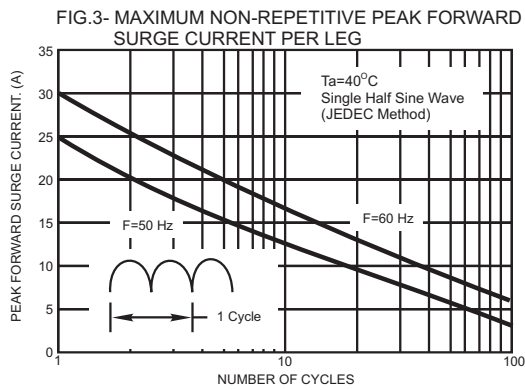
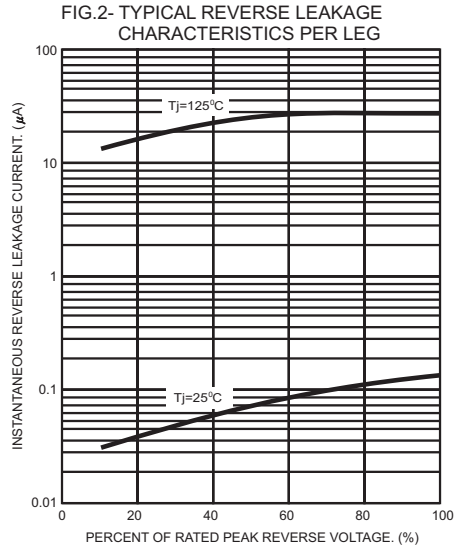
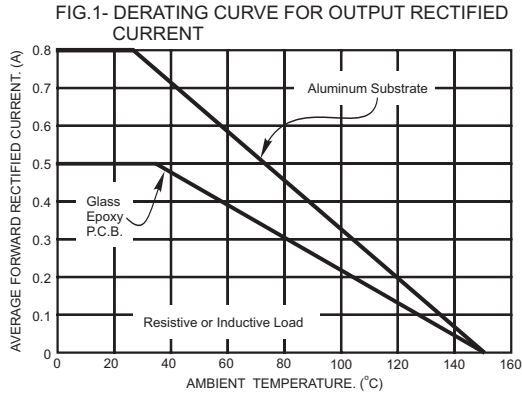


FIG.6- REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM

