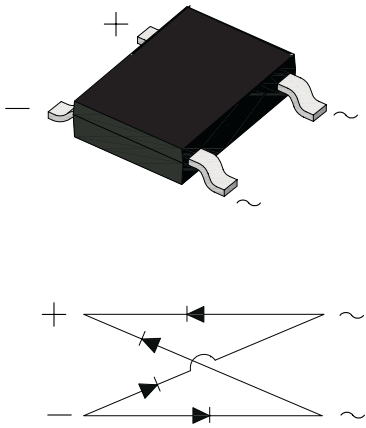




**0.8 Amp. Miniature Single Phase Glass Passivated Fast Recovery Surface Mount Bridge Rectifier**

<p><b>TO-269AA (MBS)</b></p> 	<p><b>Voltage</b> 200 V to 600 V</p>	<p><b>Current</b> 0.8 A</p>	
	<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>Saves space on printed circuit boards</li> <li>Ideal for automated placement</li> <li>High surge current capability</li> <li>Fast recovery, low switching loss</li> <li>Solder dip 260°C, 10s</li> <li>Component in accordance to RoHS 2011/65/EU and WEEE 2002/96/EC</li> <li>Meets MSL level 1, per J-STD-020, LF maximum peak of 260° C</li> </ul>		  <b>RoHS</b> COMPLIANT
	<p><b>MECHANICAL DATA</b></p> <ul style="list-style-type: none"> <li><b>Case:</b> TO-269AA (MBS). Epoxy meets UL 94V-0 flammability rating.</li> <li><b>Polarity:</b> As marked on body.</li> <li><b>Terminals:</b> Matte tin plated leads, solderable per MIL-STD-750 Method 2026, J-STD-002 and JESD22-B102. Consumer grade, meets JESD 201 class 2 whisker test.</li> </ul>		
	<p><b>TYPICAL APPLICATIONS</b> Used in general purpose ac-to-dc bridge full wave rectification for power supply, lighting ballaster, Battery charger, home appliances, office equipment, and terlecommunication applications.</p>		

**Maximun Ratings and Electrical Characteristics at 25°C**

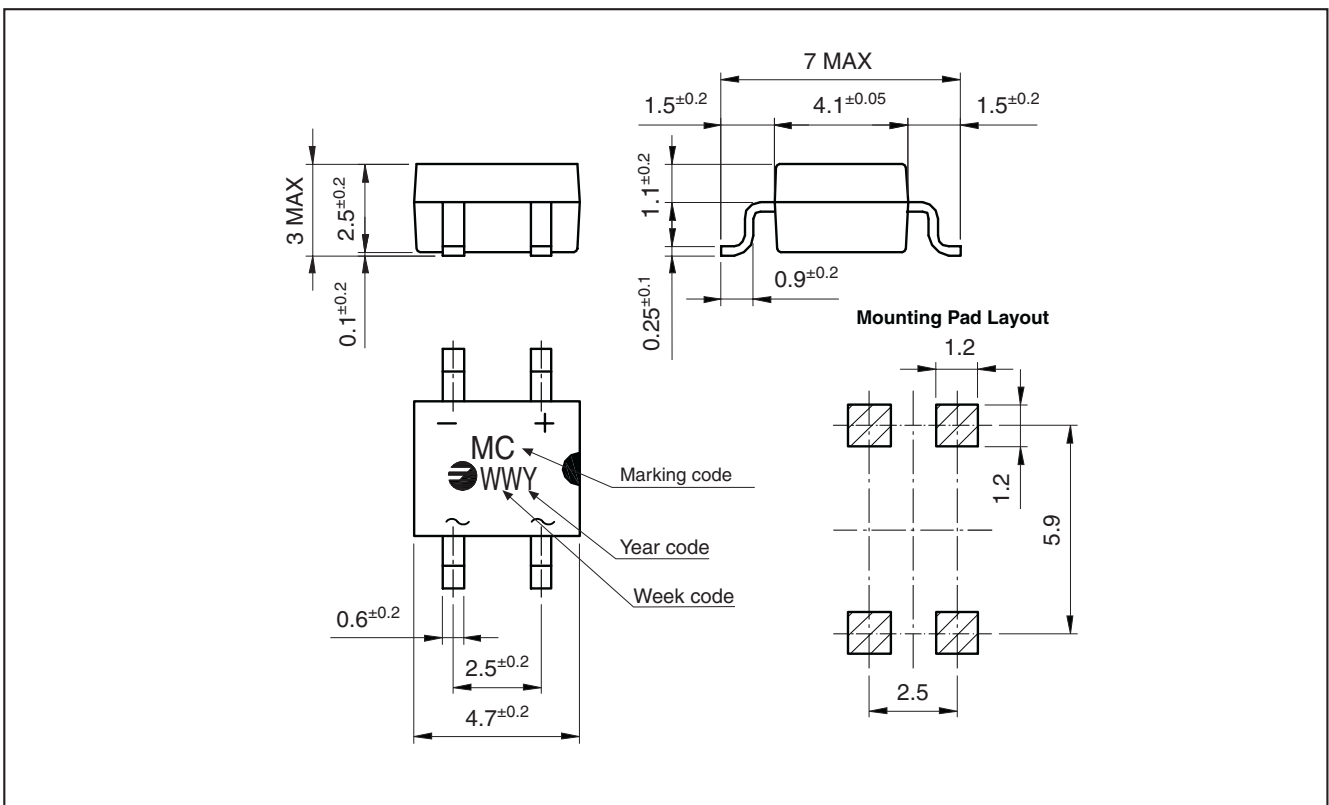
Marking Code		RMB2S	RMB4S	RMB6S
		RMB2	RMB4	RMB6
$V_{RRM}$	Maximum Recurrent Peak Reverse Voltage (V)	200	400	600
$V_{RMS}$	Maximum RMS Voltage (V)	140	280	420
$V_{DC}$	Maximum DC Blocking Voltage (V)	200	400	600
$I_{F(AV)}$	Maximum Average Forward Output Current On glass-epoxy P.C.B. On aluminum substrate		0.5 A 0.8 A	
$I_{FSM}$	Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)		30 A	
$V_F$	Maximum Instantaneous Forward Voltage @ 0.4 A		1.0 V	
$I_R$	Maximum DC Reverse Current @ $T_a = 25\text{ }^\circ\text{C}$ at Rated DC Blocking Voltage @ $T_a = 125\text{ }^\circ\text{C}$		5 $\mu\text{A}$ 100 $\mu\text{A}$	
$T_{rr}$	Maximum Reverse Recovery Time from $I_F = 0.5\text{ A}$ , $I_R = 1\text{ A}$ , $I_{RR} = 0.25\text{ A}$		150 ns	
$C_j$	Typical Junction Capacitance Per Leg		13 pF	
$R_{th(j-a)}$	Typical Thermal Resistance Per Leg		85 $^\circ\text{C/W}$	
$T_j$	Operating Temperature Range		-55 to + 150 $^\circ\text{C}$	
$T_{stg}$	Storage Temperature Range		-55 to + 150 $^\circ\text{C}$	

0.8 Amp. Miniature Single Phase Glass Passivated Fast Recovery Surface Mount Bridge Rectifier

Ordering information

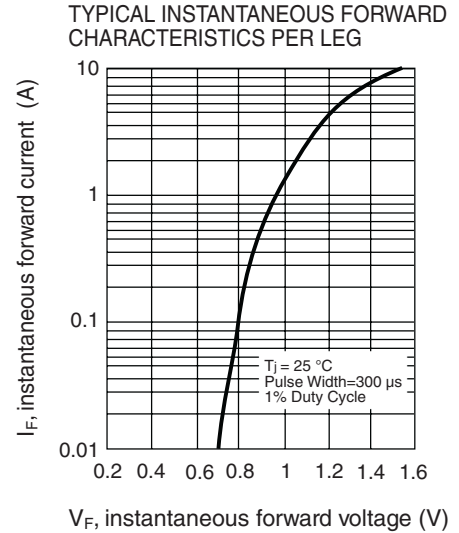
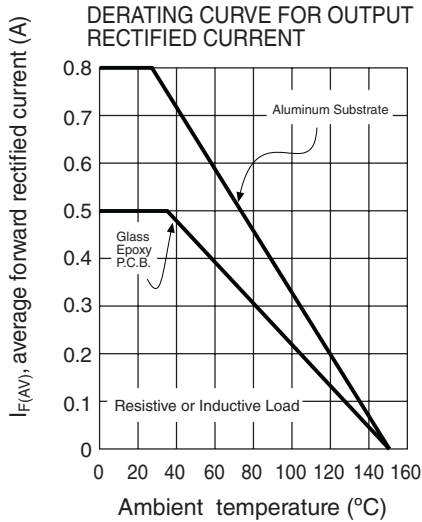
PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
RMB6S TR	TR	13" diameter tape and reel	3,000	0.22

Package Outline Dimensions: (mm) TO-269AA (MBS)

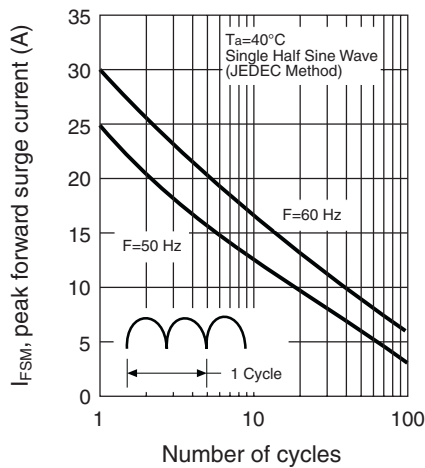


0.8 Amp. Miniature Single Phase Glass Passivated Fast Recovery Surface Mount Bridge Rectifier

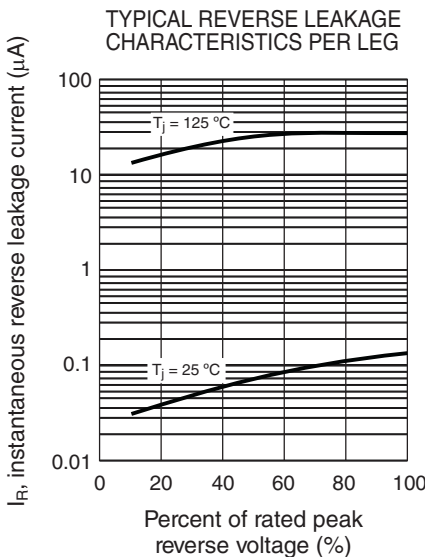
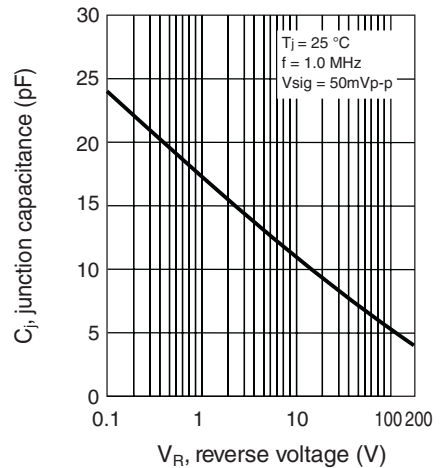
Ratings and Characteristics (Ta 25 °C unless otherwise noted)



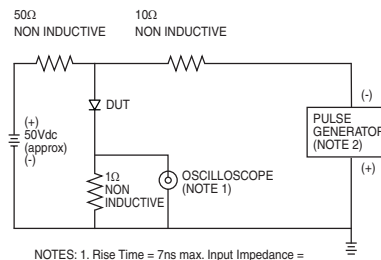
MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG



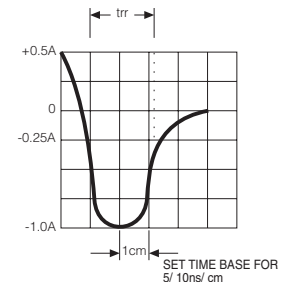
TYPICAL JUNCTION CAPACITANCE PER LEG



REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM



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



**0.8 Amp. Miniature Single Phase Glass Passivated Fast Recovery Surface Mount Bridge Rectifier**

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