
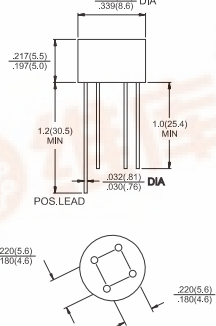
	<h2 style="margin: 0;">2W005GM THRU 2W10GM</h2> <p style="margin: 0;">Single Phase 2.0 AMPS. Glass Passivated Bridge Rectifiers</p>								
				<p style="margin: 0;">Voltage Range 50 to 1000 Volts</p> <p style="margin: 0;">Current 2.0 Amperes</p>					
<p><b>Features</b></p> <ul style="list-style-type: none"> <li>◇ UL Recognized File # E-96005</li> <li>◇ Glass passivated junction</li> <li>◇ High surge current capability</li> <li>◇ Ideal for printed circuit board</li> <li>◇ Reliable low cost construction technique results in inexpensive product</li> <li>◇ High temperature soldering guaranteed: 260°C / 10 seconds / 0.375" ( 9.5mm ) lead length at 5 lbs. ( 2.3 Kg ) tension</li> <li>◇ Weight: 1.10 grams</li> </ul>				<p style="text-align: center;"><b>WOB</b></p>  <p style="text-align: center;">Dimensions in inches and (millimeters)</p>					
<p><b>Maximum Ratings and Electrical Characteristics</b></p> <p>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%</p>									
<p><b>Type Number</b></p>	<p><b>Symbol</b></p>	<p><b>2W 005GM</b></p>	<p><b>2W 01GM</b></p>	<p><b>2W 02GM</b></p>	<p><b>2W 04GM</b></p>	<p><b>2W 06GM</b></p>	<p><b>2W 08GM</b></p>	<p><b>2W 10GM</b></p>	<p><b>Units</b></p>
<p>Maximum Recurrent Peak Reverse Voltage</p>	<p><math>V_{RRM}</math></p>	<p>50</p>	<p>100</p>	<p>200</p>	<p>400</p>	<p>600</p>	<p>800</p>	<p>1000</p>	<p>V</p>
<p>Maximum RMS Voltage</p>	<p><math>V_{RMS}</math></p>	<p>35</p>	<p>70</p>	<p>140</p>	<p>280</p>	<p>420</p>	<p>560</p>	<p>700</p>	<p>V</p>
<p>Maximum DC Blocking Voltage</p>	<p><math>V_{DC}</math></p>	<p>50</p>	<p>100</p>	<p>200</p>	<p>400</p>	<p>600</p>	<p>800</p>	<p>1000</p>	<p>V</p>
<p>Maximum Average Forward Rectified Current @ <math>T_A = 50^\circ\text{C}</math></p>	<p><math>I_{(AV)}</math></p>	<p>2.0</p>							<p>A</p>
<p>Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)</p>	<p><math>I_{FSM}</math></p>	<p>50</p>							<p>A</p>
<p>Maximum Instantaneous Forward Voltage @2.0A</p>	<p><math>V_F</math></p>	<p>1.1</p>							<p>V</p>
<p>Maximum DC Reverse Current @ <math>T_A=25^\circ\text{C}</math> at Rated DC Blocking Voltage @ <math>T_A=125^\circ\text{C}</math></p>	<p><math>I_R</math></p>	<p>10 500</p>							<p><math>\mu\text{A}</math> <math>\mu\text{A}</math></p>
<p>Typical Thermal Resistance (Note)</p>	<p><math>R_{\theta JA}</math> <math>R_{\theta JL}</math></p>	<p>40 15</p>							<p><math>^\circ\text{C/W}</math></p>
<p>Operating Temperature Range</p>	<p><math>T_J</math></p>	<p>-55 to +150</p>							<p><math>^\circ\text{C}</math></p>
<p>Storage Temperature Range</p>	<p><math>T_{STG}</math></p>	<p>-55 to +150</p>							<p><math>^\circ\text{C}</math></p>

Note: Thermal Resistance from Junction to Ambient and from Junction to Lead at 0.375" (9.5mm) Lead Length for P.C.B. Mounting.



## RATINGS AND CHARACTERISTIC CURVES (2W005GM THRU 2W10GM)

FIG.1- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT

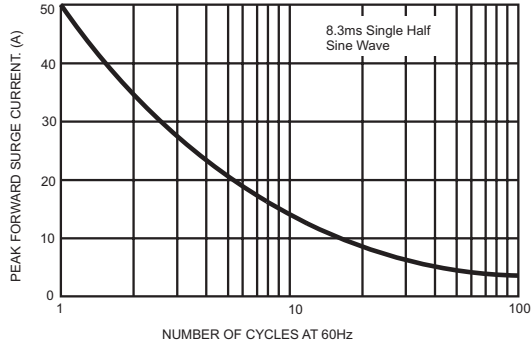


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

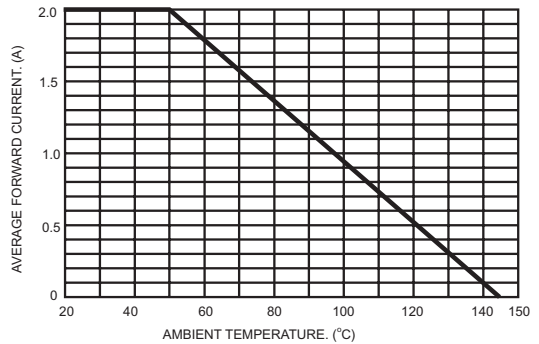


FIG.3- TYPICAL FORWARD CHARACTERISTICS

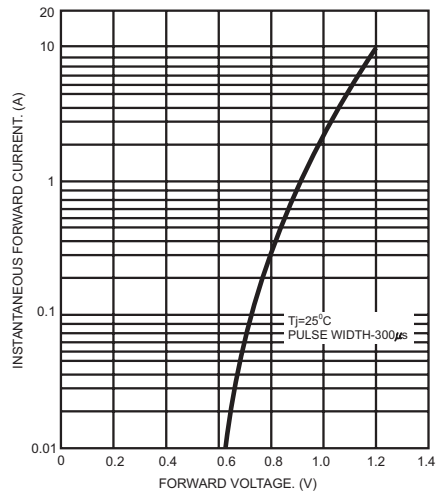


FIG.4- TYPICAL REVERSE CHARACTERISTICS

