
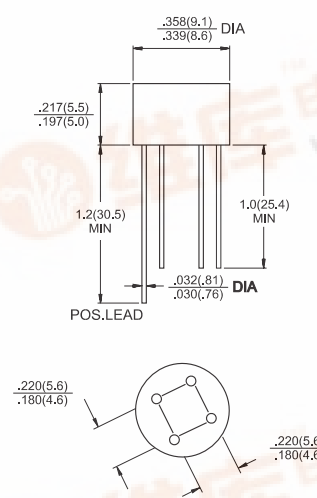
	<h1>W005GM THRU W10GM</h1> <p>Single Phase 1.5 AMPS. Glass Passivated Bridge Rectifiers</p>									
					<p>Voltage Range 50 to 1000 Volts Current 1.5 Amperes</p>					
<h2>Features</h2> <ul style="list-style-type: none"><li>UL Recognized File # E-96005</li><li>Glass passivated junction</li><li>Surge overload ratings to 50 amperes peak</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></ul>					<h2>WOB</h2>  <p>Dimensions in inches and (millimeters)</p>					
<h2>Mechanical Data</h2> <ul style="list-style-type: none"><li>Case: Molded plastic</li><li>Lead: Solder plated</li><li>Polarity: As marked</li><li>Weight: 1.10 grams</li></ul>										
<h2>Maximum Ratings and Electrical Characteristics</h2> <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>										
Type Number	Symbol	W 005GM	W 01GM	W 02GM	W 04GM	W 06GM	W 08GM	W 10GM	Units	
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V	
Maximum Average Forward Rectified Current @ T <sub>A</sub> = 50°C	I <sub>(AV)</sub>	1.5							A	
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method )	I <sub>FSM</sub>	50							A	
Maximum Instantaneous Forward Voltage @ 1.5A	V <sub>F</sub>	1.0							V	
Maximum DC Reverse Current @ T <sub>A</sub> =25°C at Rated DC Blocking Voltage @ T <sub>A</sub> =125°C	I <sub>R</sub>	10 500							uA uA	
Typical Thermal Resistance (Note)	R <sub>θJA</sub> R <sub>θJL</sub>	36 13							°C/W	
Operating Temperature Range	T <sub>J</sub>	-55 to +150							°C	
Storage Temperature Range	T <sub>STG</sub>	-55 to +150							°C	

Note: Thermal resistance from Junction to Ambient and from Junction to Lead Mounted on P.C.B. with 0.2" x 0.2" (5mm x 5mm) Copper Pads.

## RATINGS AND CHARACTERISTIC CURVES (W005GM THRU W10GM)

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

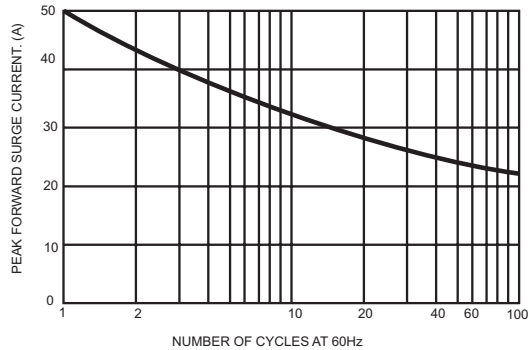


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

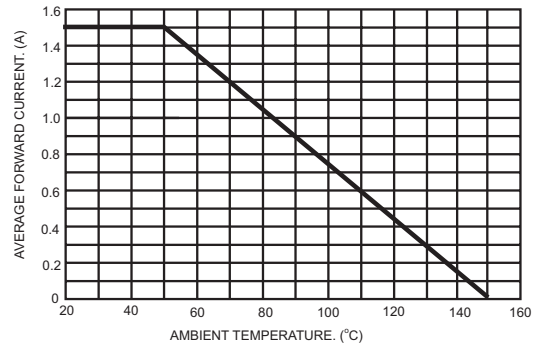


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

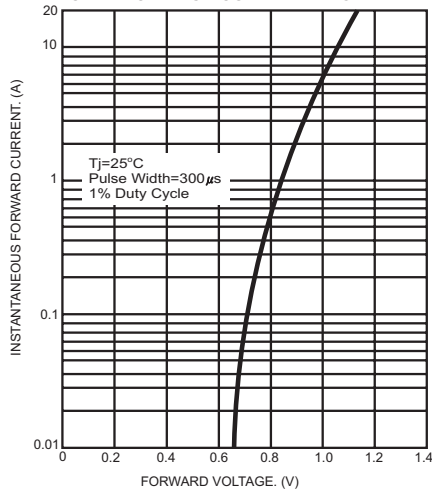


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

