



# W005G Thru W10G

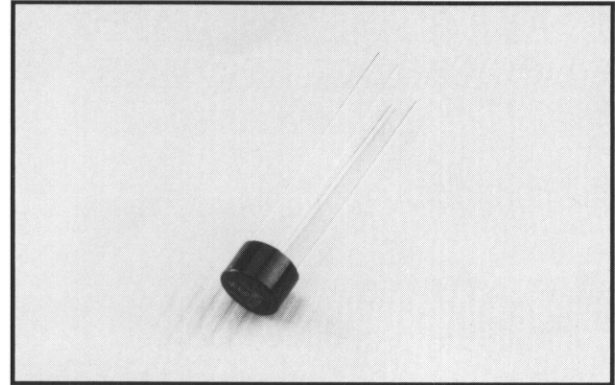
## 1.5 AMP GLASS PASSIVATED BRIDGE RECTIFIER

### FEATURES

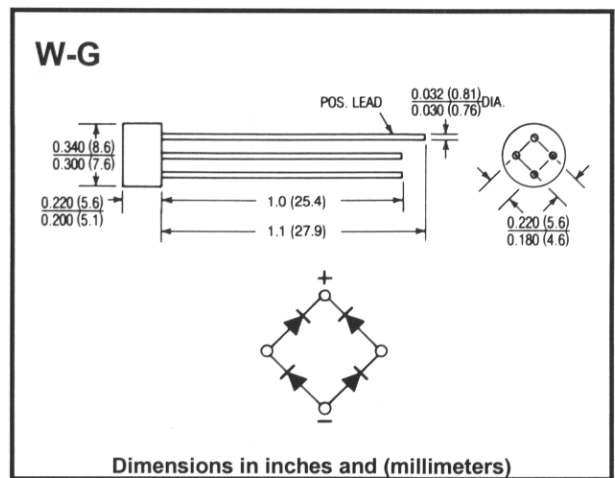
- Rating to 1000V PRV
- Surge overload rating to 50 Amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- UL recognized: File #E106441
- UL recognized 94V-O plastic material

### Mechanical Data

- Case: Molded plastic
- Weight: 0.05 ounce, 1.3 grams
- Mounting Position: Any



### Outline Drawing



### Maximum Ratings & Characteristics

- Ratings at 25° C ambient temperature unless otherwise specified
- Single phase, half wave, 60Hz, resistive or inductive load
- For capacitive load, derate current by 20%

		W005G	W01G	W02G	W04G	W06G	W08G	W10G	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>	60	100	200	400	600	800	1000	V
Maximum Average Forward Output Current @ T <sub>A</sub> = 25°C	I (AV)	1.5							A
Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave Superimposed On Rated Load	I <sub>FSM</sub>	50							A
Maximum DC Forward Voltage Drop per Element At 1.0A DC	V <sub>F</sub>	1							V
Maximum DC Reverse Current At Rated @ T <sub>A</sub> = 25°C	I <sub>R</sub>	5							μA
DC Blocking Voltage per Element @ T <sub>A</sub> = 100°C		500							
Typical Junction Capacitance Per Element *	C <sub>J</sub>	12							pF
Typical Thermal Resistance **	R <sub>(TH J-A)</sub>	40							°C/W
Operating Temperature Range	T <sub>J</sub>	-40to +150							°C
Storage Temperature Range	T <sub>STG</sub>	-40 to +150							°C

Notes: \* Measured at 1.0 MHz and applied reverse voltage of 4.0V DC.

\*\* Thermal resistance junction to ambient at .375" (9.55mm) lead length, PC board mounted