

# 1.5 AMP GLASS PASSIVATED BRIDGE RECTIFIER

#### FEATURES

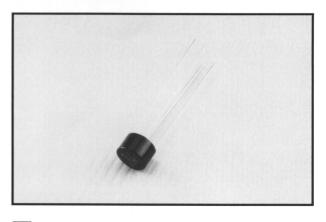
- Rating to 1000V PRV
- Surge overload rating to 50 Amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- UL recognized: File #E106441
- UL recognized 94V-O plastic material

#### Mechanical Data

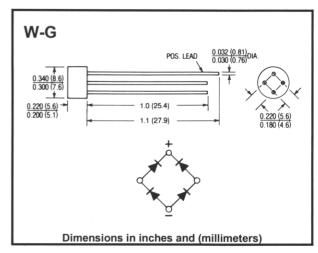
Case: Molded plastic

• 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	VRRM	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 @ T <sub>A</sub> = 25°C	Lann	1.5							А
Output Current	l (AV)								
Peak Forward Surge Current									
8.3 ms Single Half-Sine-Wave	I <sub>FSM</sub> 50							Α	
Superimposed On Rated Load									
Maximum DC Forward Voltage Drop per Element	VF	1							V
At 1.0A DC									
Maximum DC Reverse Current At Rated@ T <sub>A</sub> = 25°C	1_	5							μА
DC Blocking Voltage per Element @ T <sub>A</sub> = 100°C	IR 500								
Typical Junction Capacitance Per Element *	CJ	12							pF
Typical Thermal Resistance **	R <sub>(TH J-A)</sub>	40						°C/W	
Operating Temperature Range	TJ	-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