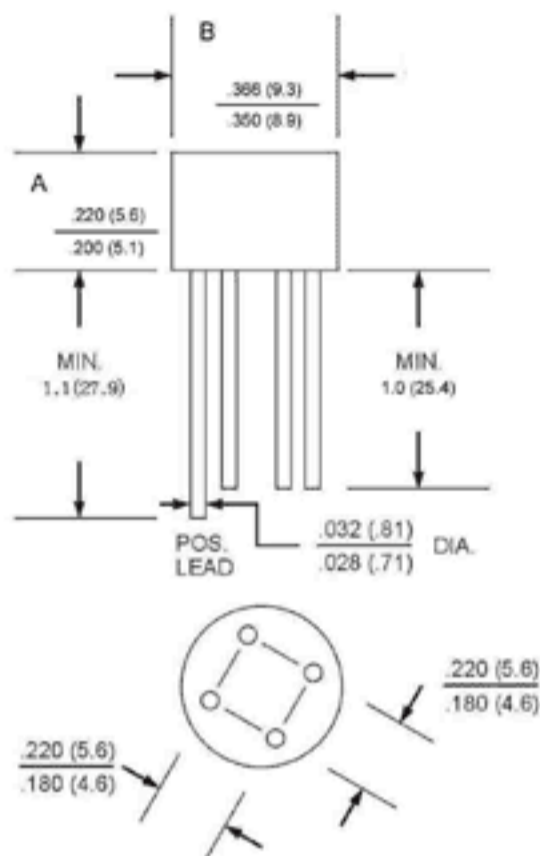


**GLASS PASSIVATED  
BRIDGE RECTIFIERS**
**REVERSE VOLTAGE - 50 to 1000 Volts**  
**FORWARD CURRENT - 2.0 Amperes**
**FEATURES**

- Surge overload rating - 60 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in expensive product
- Mounting Position: Any
- Lead: Silver Plated Copper Lead.



Dimensions in inches and (millimeters)

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	2W005G	2W01G	2W02G	2W04G	2W06G	2W08G	2W10G	UNIT
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current 0.375" (9.5mm) Lead Lengths @ $T_A=25^{\circ}\text{C}$	2.0							A
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	60							A
$I^2t$ Rating for fusing ( $t < 8.3\text{ms}$ )	15.0							A <sup>2</sup> S
Maximum Forward Voltage Drop per Element at 2.0A Peak	1.1							V
Maximum DC Reverse Current, at Rated DC Blocking Voltage	$T_A=25^{\circ}\text{C}$ 10.0 $T_A=100^{\circ}\text{C}$ 1.0							$\mu\text{A}$ mA
Maximum Forward Voltage Drop per Element at 2.0A Peak	30							pF
Operating Temperature Range $T_J$	-55 to +150							°C
Storage Temperature Range $T_{STG}$	-55 to +150							°C

NOTES: 1. Measured at 1.0MHz and applied reverse voltage of 4.0 volts.