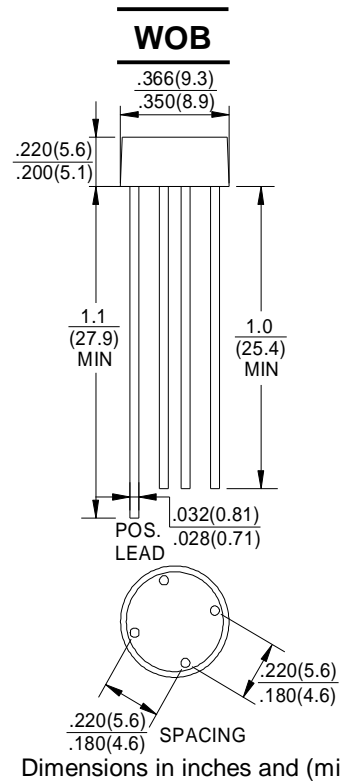


## GLASS PASSIVATED BRIDGE RECTIFIERS

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.



### 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	SYMBOL	2W005G	2W01G	2W02G	2W04G	2W06G	2W08G	2W10G	UNIT
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input 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> =25°C	I <sub>(AV)</sub>	2.0							A
Peak Forward Surge Current ,8.3m Single 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I <sub>FSM</sub>	60							A
I <sup>2</sup> t Rating for Fusing (t<8.3ms)	I <sup>2</sup> t	15.0							A <sup>2</sup> S
Maximum Forward Voltage Drop per Element at 2.0A Peak	V <sub>F</sub>	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element T <sub>A</sub> =25°C	I <sub>R</sub>	10.0							uA
		1.0							mA
Maximum Temperature Voltage Drop per Element at 2.0A Peak	T <sub>J</sub>	30							pF
	T <sub>STG</sub>								
Operating Temperature Range T <sub>J</sub>	T <sub>J</sub>	-55 to +150							°C
Operating Temperature Range T <sub>STG</sub>	T <sub>STG</sub>	-55 to +150							°C

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

# RATING AND CHARACTERISTIC CURVES

## 2W005G thru 2W10G



FIG.1-FORATING CURVE  
OUTPUT RECTIFIED CUURRENT

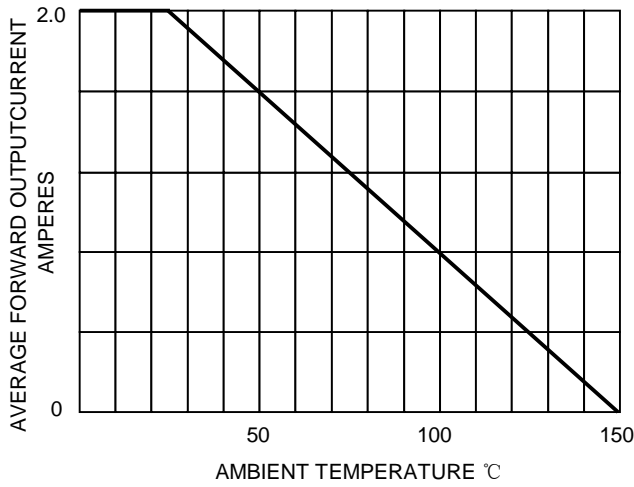


FIG.2-MAXIMUM NON-REPETITIVE PEAK  
FORWARD SURGE CURRENT

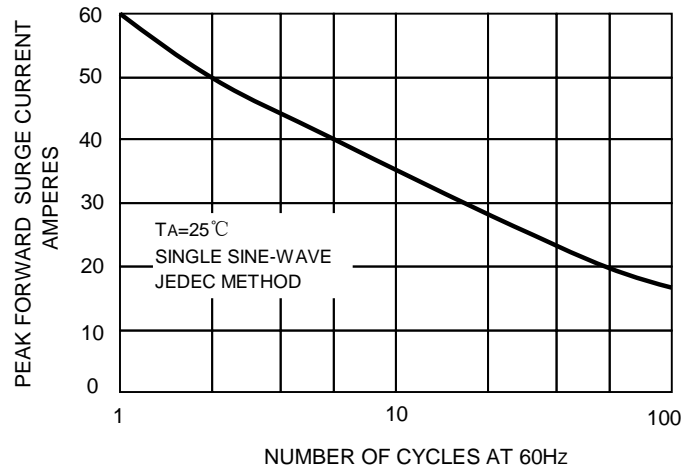


FIG.3-TYPIACL REVERSE CHARACTERISTICS

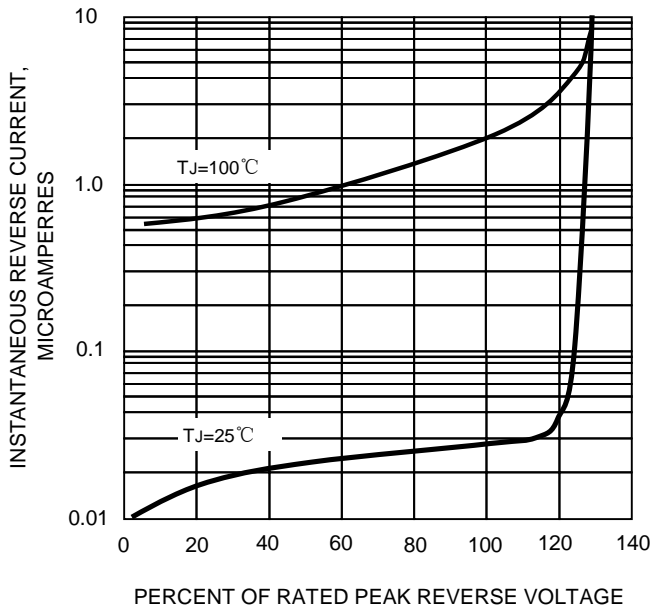


FIG.4-TYPICAL INSTANTANEOUS  
FORWARD CHARACTERISTICS

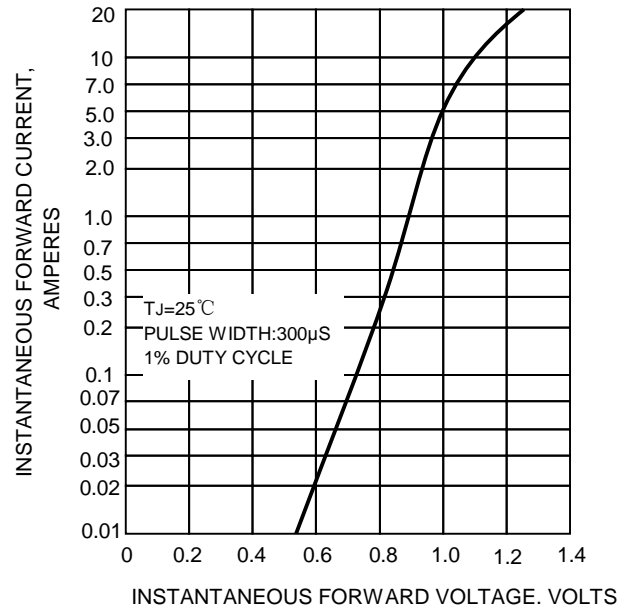


FIG.5-TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT

