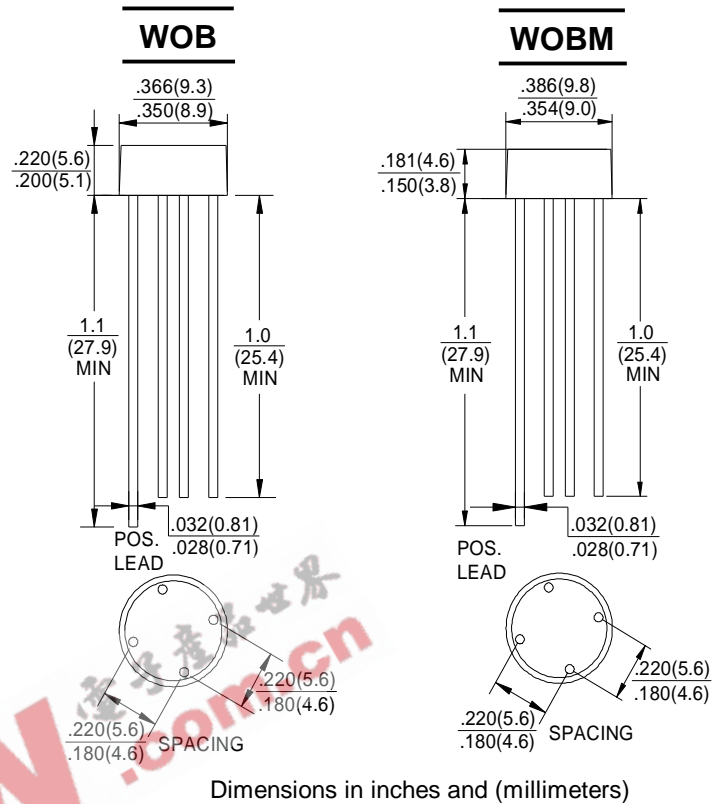


## GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000Volts  
FORWARD CURRENT - 1.5 Amperes

### FEATURES

- Surge overload rating -50 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in expensive product
- Mounting Position :Any



### 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	W005G	W01G	W02G	W04G	W06G	W08G	W10G	UNIT	
		W005MG	W01MG	W02MG	W04MG	W06MG	W08MG	W10MG		
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> =25°C	I(AV)	1.5							A	
Peak Forward Surge Current ,8.3m Single 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I <sub>FSM</sub>	50							A	
I <sup>2</sup> t Rating for Fusing (t<8.3ms)	I <sup>2</sup> t	5.0							A <sup>2</sup> t	
Maximum Forward Voltage Drop Per Element at 1.5A 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	
		T <sub>A</sub> =100°C							1.0	mA
Operating Temperature Range T <sub>J</sub>	T <sub>J</sub>	-55 to +150							°C	
Storage Temperature Range T <sub>A</sub>	T <sub>STG</sub>	-55 to +150							°C	

FIG. 1 - MAXIMUM FORWARD SURGE CURRENT

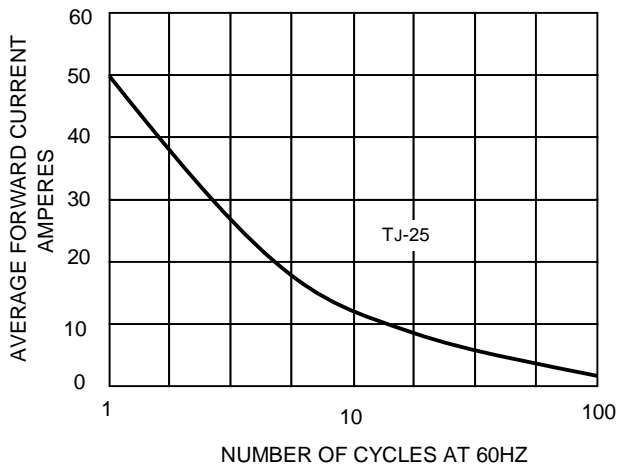


FIG.1-DERATING CURVE  
 OUTPUT RECTIFIED CURRENT

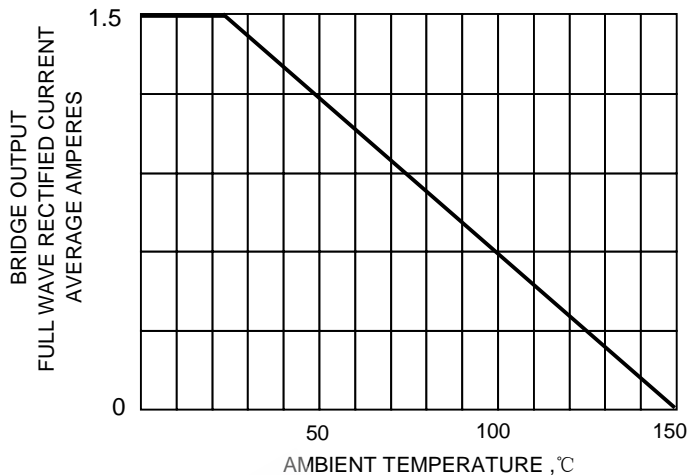


FIG.3-TYPICAL FORWARD CHARACTERISTICS

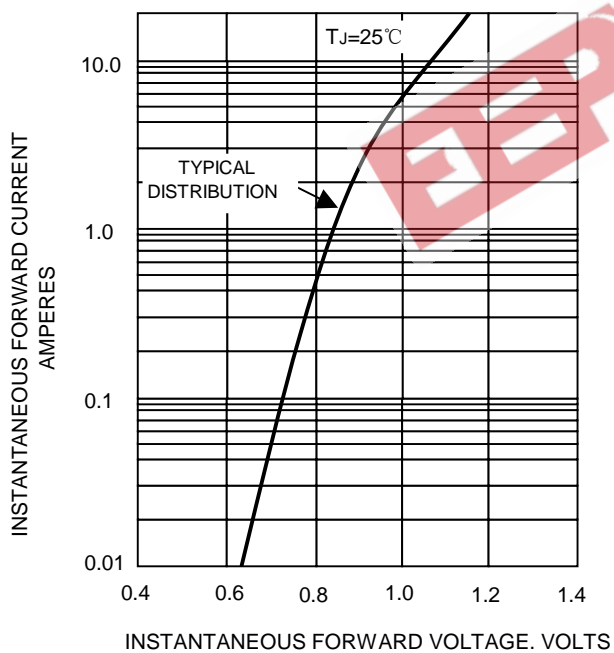


FIG.4-TYPIACL REVERSE CHARACTERISTICS

