

## WO-G/WOMG-G Series

**Reverse Voltage: 50 to 1000V**

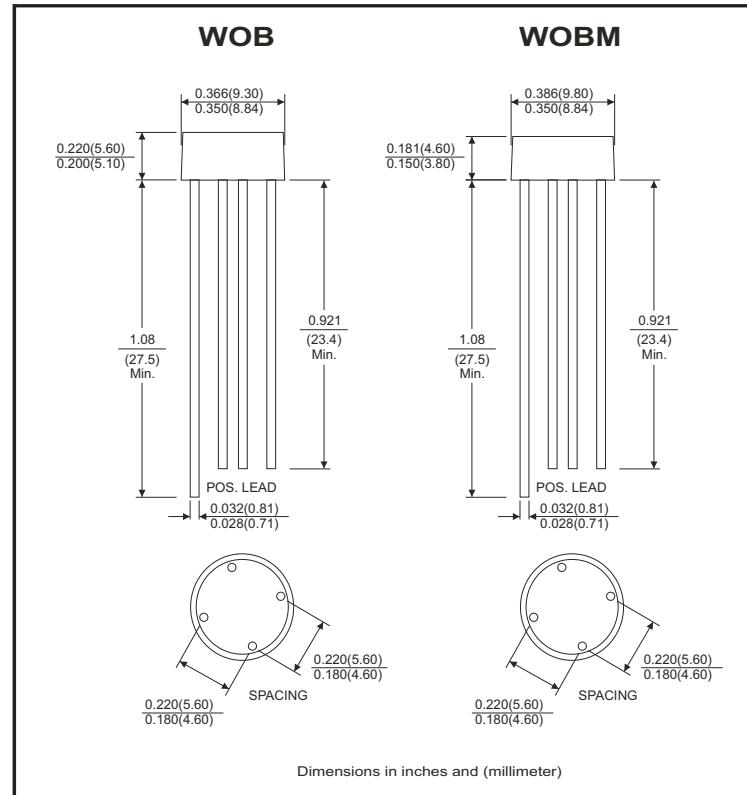
**Forward Current: 1.5A**

**RoHS Device**



### Features

- Surge overload rating -50A peak.
- Ideal for printed circuit board.
- 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%

Parameter	Symbol	W005G-G	W01G-G	W02G-G	W04G-G	W06G-G	W08G-G	W10G-G	Unit
		W005MG-G	W01MG-G	W02MG-G	W04MG-G	W06MG-G	W08MG-G	W10MG-G	
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 <sub>(AV)</sub>	1.5							A
Peak forward surge current , 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 T <sub>A</sub> =25°C DC blocking voltage per element T <sub>A</sub> =100°C	I <sub>R</sub>	10 1							µA mA
Operating temperature range	T <sub>J</sub>	-55 ~ +150							°C
Storage temperature range	T <sub>STG</sub>	-55 ~ +150							°C

Company reserves the right to improve product design , functions and reliability without notice.

REV:B

# Glass Passivated Bridge Rectifiers

**Comchip**  
SMD Diode Specialist

## Rating and Characteristics Curves (WOG-G/WOMG-G Series)

Fig.1 - Maximum Non-Repetitive Surge Current

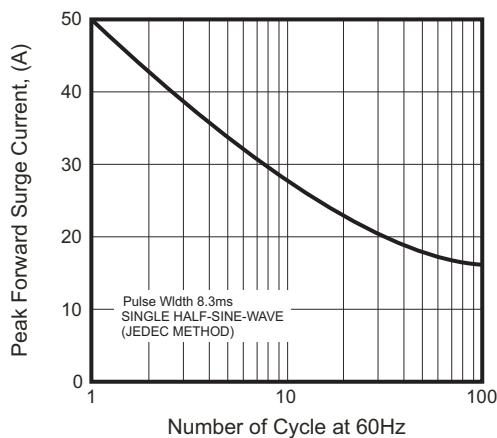


Fig.2 - Derating Curve Output Rectified Current

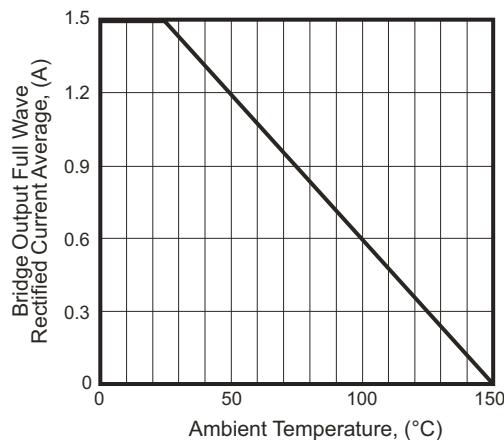


Fig.3 - Typical Forward Characteristics

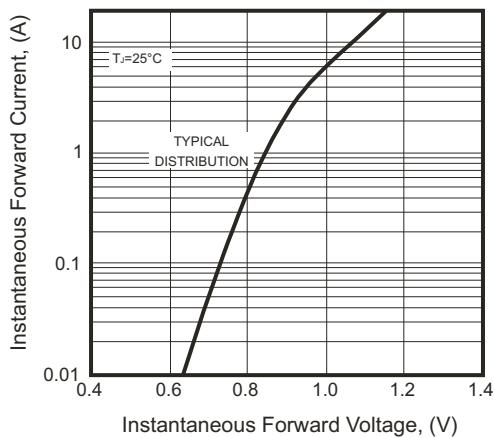


Fig.4 - Typical Reverse Characteristics

