

## 2WO\_WOM SERIES

REVERSE VOLTAGE - 50 to 1000Volts

FORWARD CURRENT – 2.0Amperes

### Features

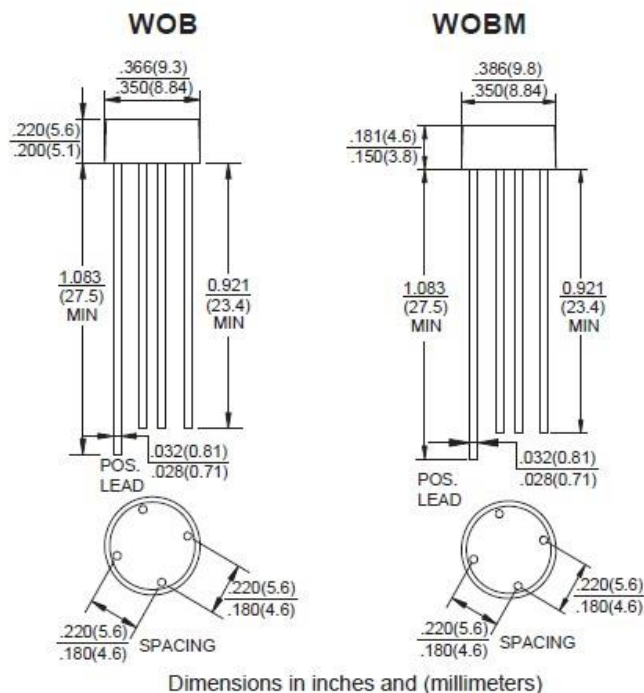
- Surge overload rating -60 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in expensive product
- Mounting position: Any
- Lead: Sliver plated copper lead
- RoHS compliant package

### Packing & Order Information

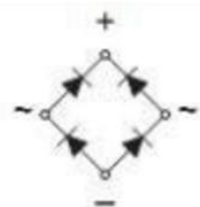
1,000(Bulk) / Box



**RoHS  
COMPLIANT**



### Graphic symbol



### 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	2W005	2W01	2W02	2W04	2W06	2W08	2W10	Unit
		2W005M	2W01M	2W02M	2W04M	2W06M	2W08M	2W10M	
Maximum repetitive peak Reverse voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Working RMS voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ TA=25°C	$I_{(AV)}$	2.0							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	$I_{FSM}$	60							A
I <sup>2</sup> t Rating for Fusing (t<8.3ms)	$I^2t$	15.0							A <sup>2</sup> S

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		2W005M	2W01M	2W02M	2W04M	2W06M	2W08M	2W10M	
Maximum Forward Voltage Drop Per Element at 1.5A Peak	V <sub>F</sub>	1.1							V
Maximum Reverse Current at Rated T <sub>J</sub> =25°C	I <sub>R</sub>	10.0							μA
DC Blocking Voltage T <sub>J</sub> =100°C		1.0							
Typical Junction Capacitance Per Element (Note 1)	C <sub>J</sub>	30							pF
Operating junction temperature range	T <sub>J</sub>	-55 to +150							°C
storage temperature range	T <sub>STG</sub>	-55 to +150							°C

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### ■ RATING AND CHARACTERISTIC CURVES

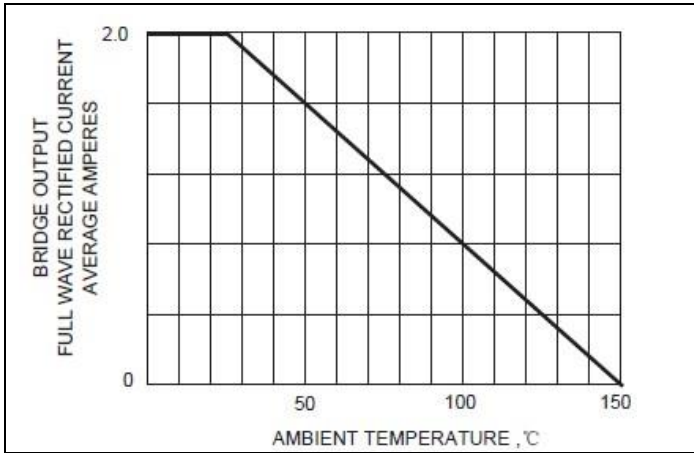


FIG.1- DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

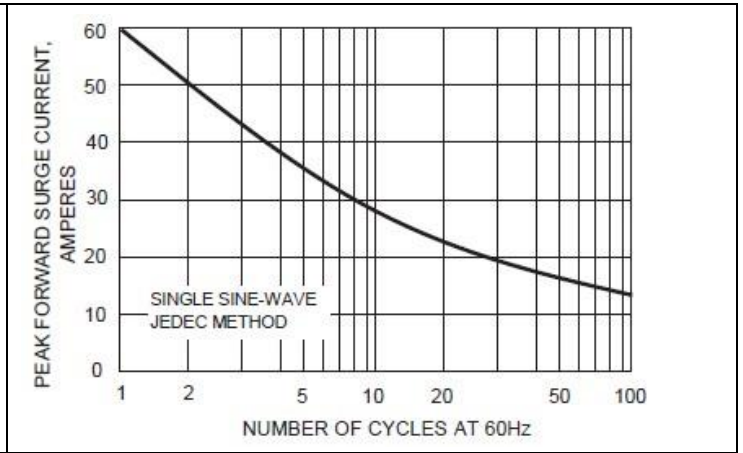


FIG.2- MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

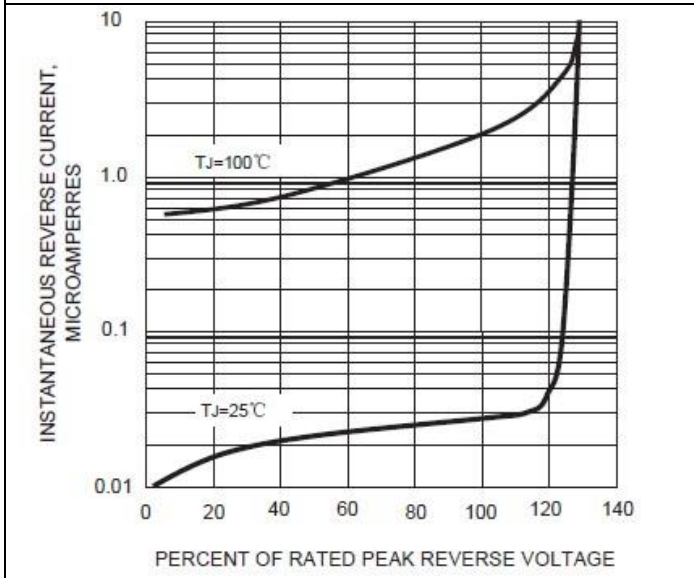


FIG.3- TYPICAL REVERSE CHARACTERISTICS

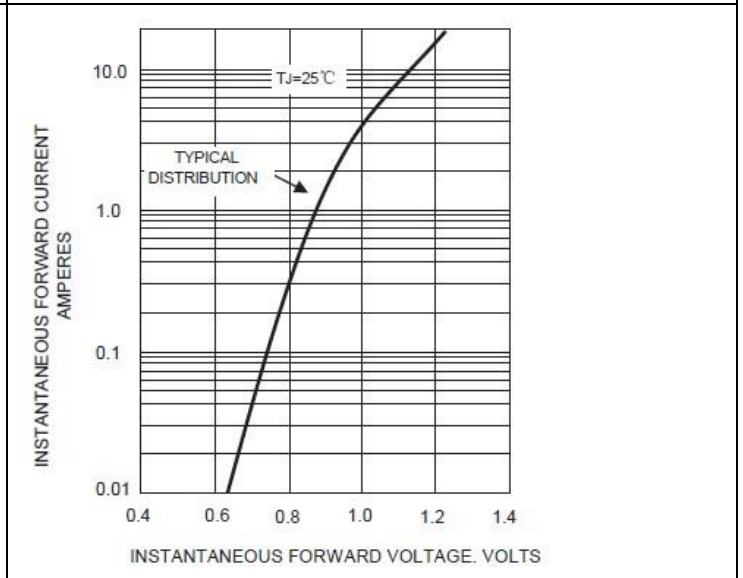


FIG.4- TYPICAL FORWARD CHARACTERISTICS

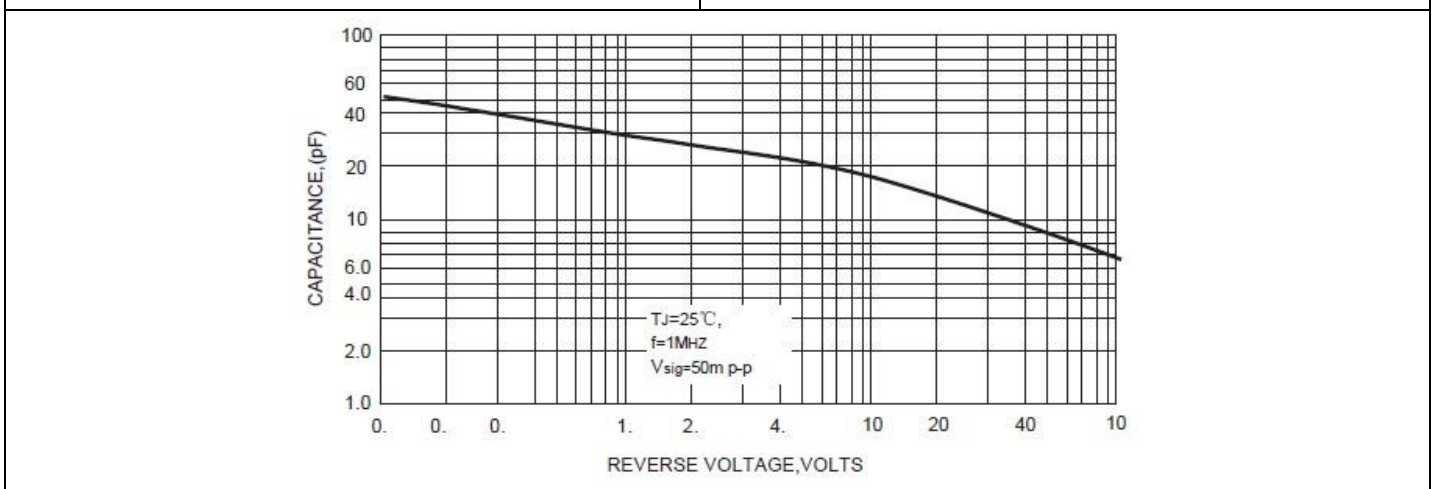


FIG.5- TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT

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