1.5WO_WOM SERIES

REVERSE VOLTAGE - 50 to 1000Volts

FORWARD CURRENT - 1.5 Amperes

Features

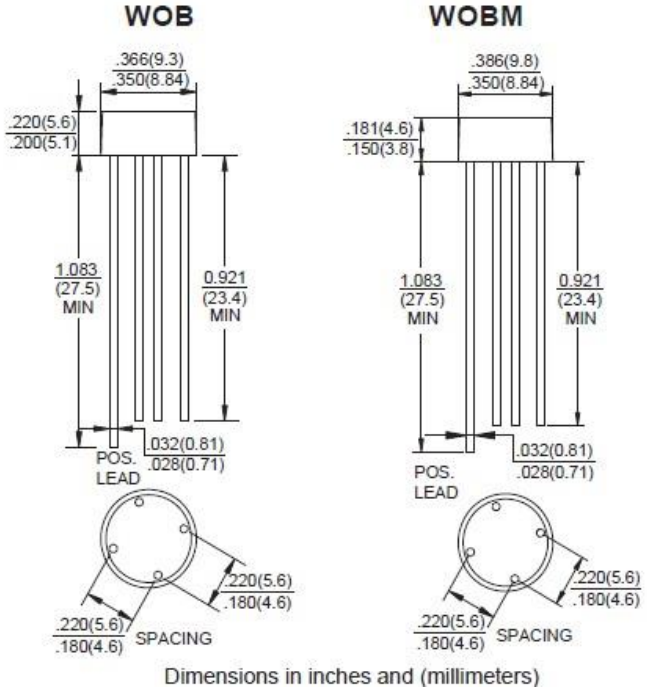
- Surge overload rating -50 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in expensive product
- Mounting position: Any
- RoHS compliant package

Packing & Order Information

1,000(Bulk) / Box

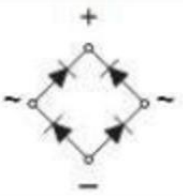


RoHS
COMPLIANT



Dimensions in inches and (millimeters)

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	W005 / W005M	W01 / W01M	W02 / W02M	W04 / W04M	W06 / W06M	W08 / W08M	W10 / W10M	Unit
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	$I_{(AV)}$	1.5							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	50							A
I2t Rating for Fusing (t<8.3ms)	I^2t	5.0							A^2S

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Single phase, half wave ,60Hz, resistive or inductive load.
For capacitive load, derate current by 20%

Parameter	Symbol	W005 W005M	W01 W01M	W02 W02M	W04 W04M	W06 W06M	W08 W08M	W10 W10M	Unit
Maximum Forward Voltage Drop Per Element at 1.5A Peak	V_F	1.1							V
Maximum Reverse Current at Rated TJ=25°C DC Blocking Voltage TJ=100°C	I_R	10.0 1.0							μA mA
Operating junction temperature range	T_J	-55 to +150							˚C
storage temperature range	T_{STG}	-55 to +150							˚C

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FORWARD CURRENT - 1.5 Amperes

■RATING AND CHARACTERTIC CURVES

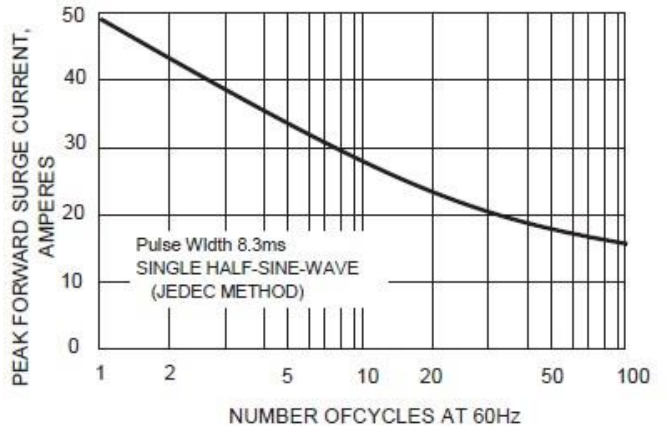


FIG.1- MXIMUM NON-REPETITIVE SURGE CURRENT

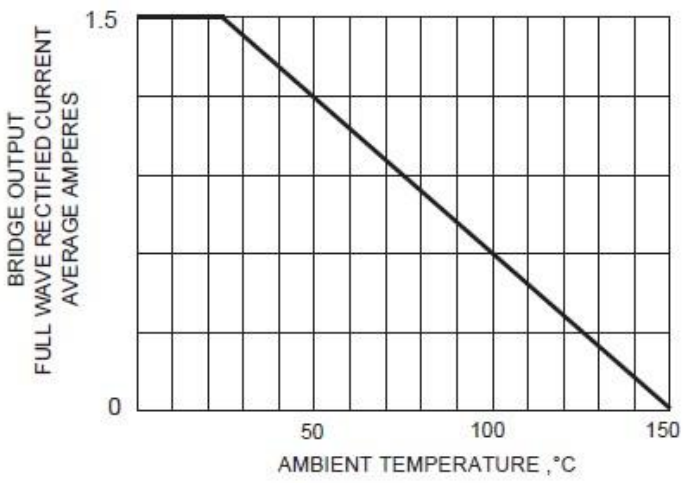


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

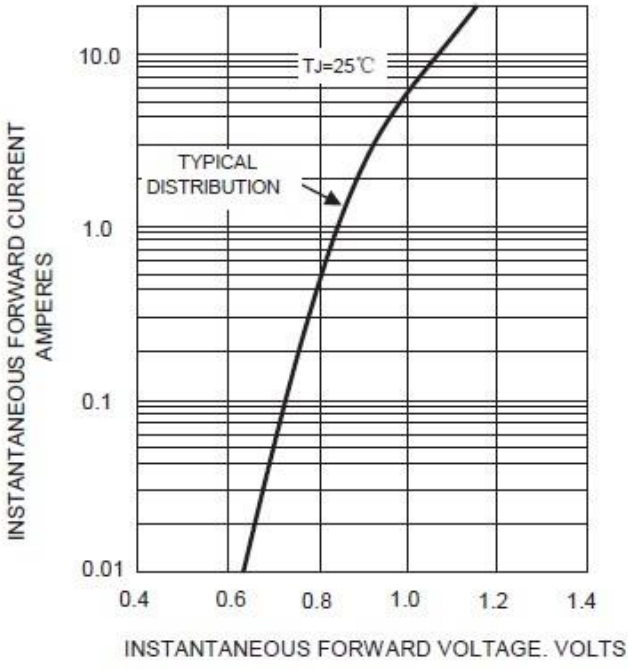


FIG.3- TYPICAL FORWARD CHARACTERISTICS

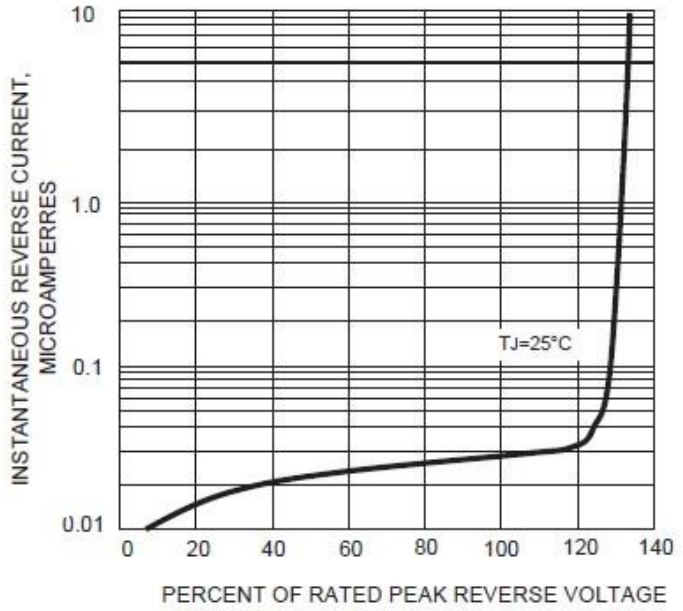


FIG.4- TYPIACL REVERSE CHARACTERISTICS

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