2WO_WOM SERIES

REVERSE VOLTAGE - 50 to 1000Volts
FORWARD CURRENT – 2.0Amperes

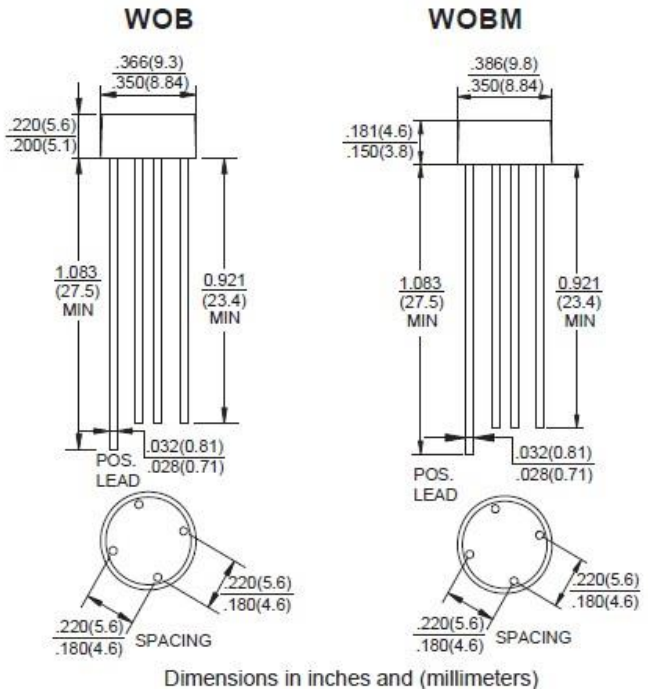
Features

- 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

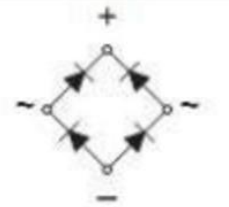
1,000(Bulk) / Box

RoHS
COMPLIANT



Dimensions in inches and (millimeters)

Graphic symbol



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.
Single phase, half wave ,60Hz, resistive or inductive load.
For capacitive load, derate current by 20%

Parameter	Symbol	2W005 2W005M	2W01 2W01M	2W02 2W02M	2W04 2W04M	2W06 2W06M	2W08 2W08M	2W10 2W10M	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	$I_{(AV)}$	2.0							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	60							A
I2t Rating for Fusing (t<8.3ms)	I^2t	15.0							A^2S

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For capacitive load, derate current by 20%

Parameter	Symbol	2W005 2W005M	2W01 2W01M	2W02 2W02M	2W04 2W04M	2W06 2W06M	2W08 2W08M	2W10 2W10M	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 m A
Typical Junction Capacitance Per Element (Note1)	C_J	30							pF
Operating junction temperature range	T_J	-55 to +150							˚C
storage temperature range	T_{STG}	-55 to +150							˚C

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■RATING AND CHARACTERTIC CURVES

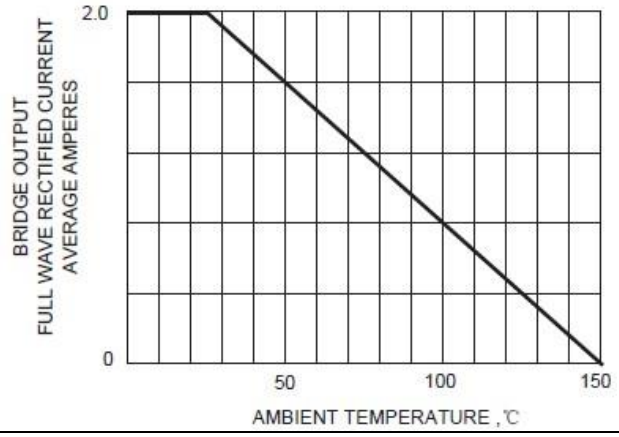

FIG.1- DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

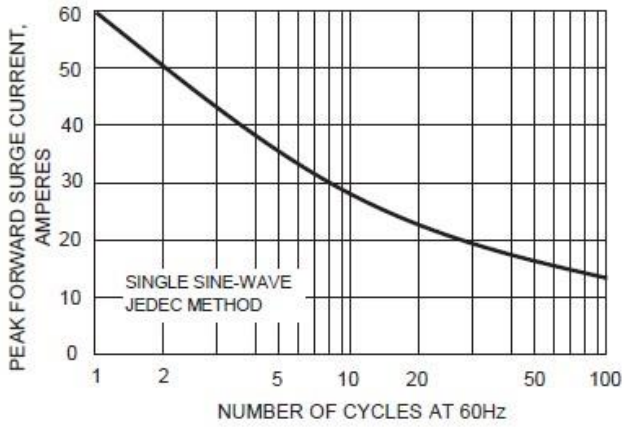

FIG.2- MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

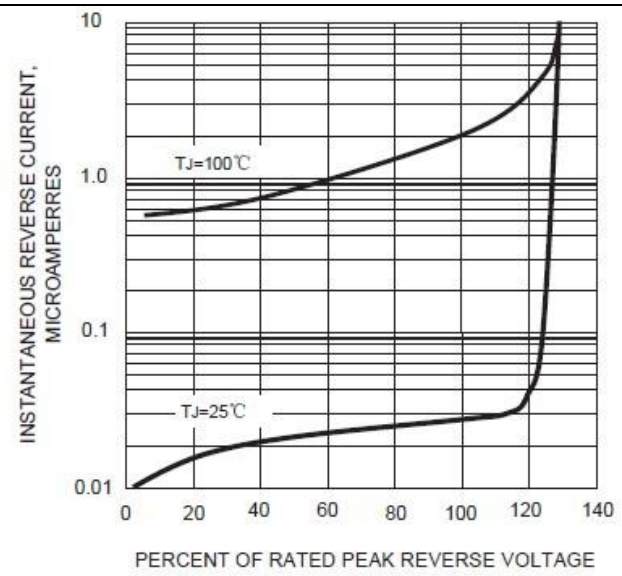

FIG.3- TYPIACL REVERSE CHARACTERISTICS

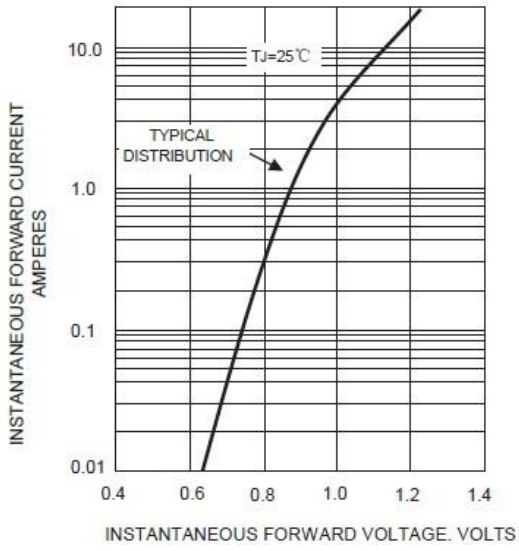

FIG.4- TYPICAL FORWARD CHARACTERISTICS

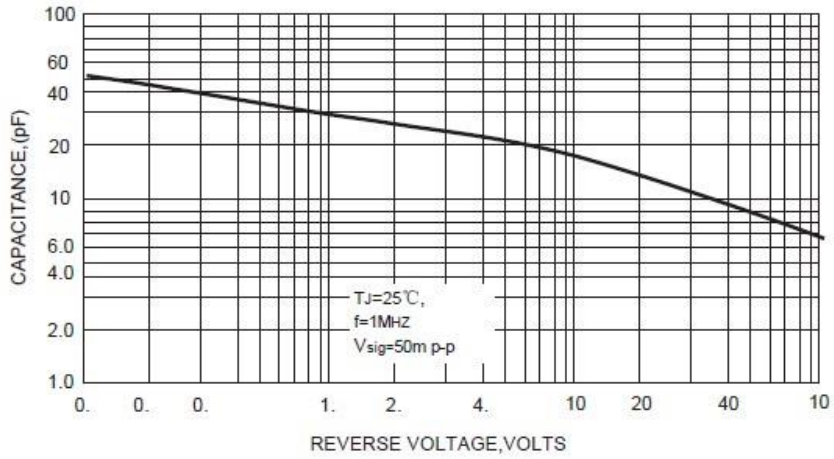

FIG.5- TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT

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