

GLASS PASSIVATED BRIDGE RECTIFIERS

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: silver plated copper lead.
- Weight: 0.04ounces ,1.1grams

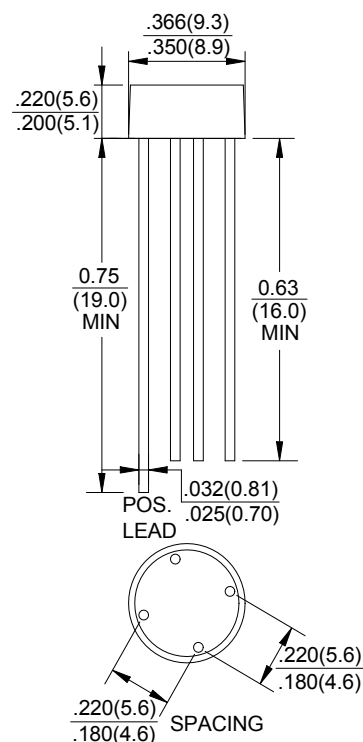
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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%

Package: WOB



Dimensions in inches and (millimeters)

CHARACTERISTICS	SYMBOL	2W005	2W01	2W02	2W04	2W06	2W08	2W10	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input 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 @T _A =25°C	I _(AV)	2.0							A
Peak Forward Surge Current ,8.3ms Single 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	60							A
I ² t Rating for Fusing (t<8.3ms)	I ² t	15.0							A ² S
Maximum Forward Voltage Drop per Element at 2.0A Peak	V _F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element T _A =25°C	I _R	10.0							uA
Maximum Temperature Voltage Drop per Element at 2.0A Peak T _A =100°C	T _J	1.0							mA
Operating Temperature Range T _J	T _J	30							pF
Operating Temperature Range T _{STG}	T _{STG}	-55 to +150							°C
		-55 to +150							°C

NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0 volts.

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Fig. 1 - Forward Current Derating Curve

图1 正向电流降额曲线

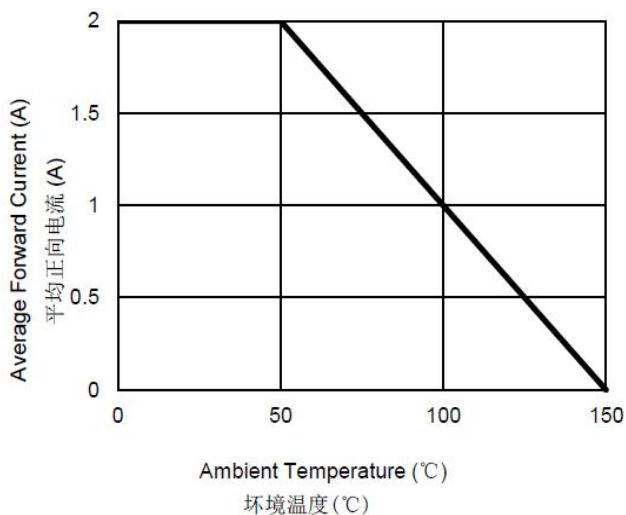


Fig. 2 - Maximum Non-Repetitive Surge Current

图2 最大不重复正向浪涌曲线

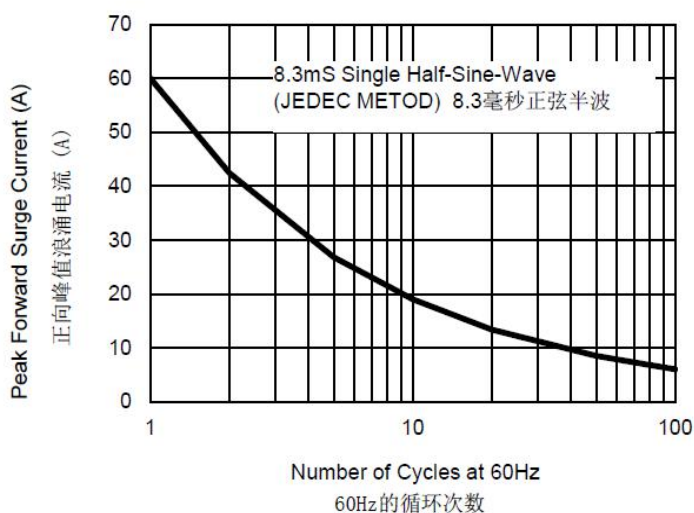


Fig. 3 - Typical Reverse Characteristics

图3 典型的反向特性

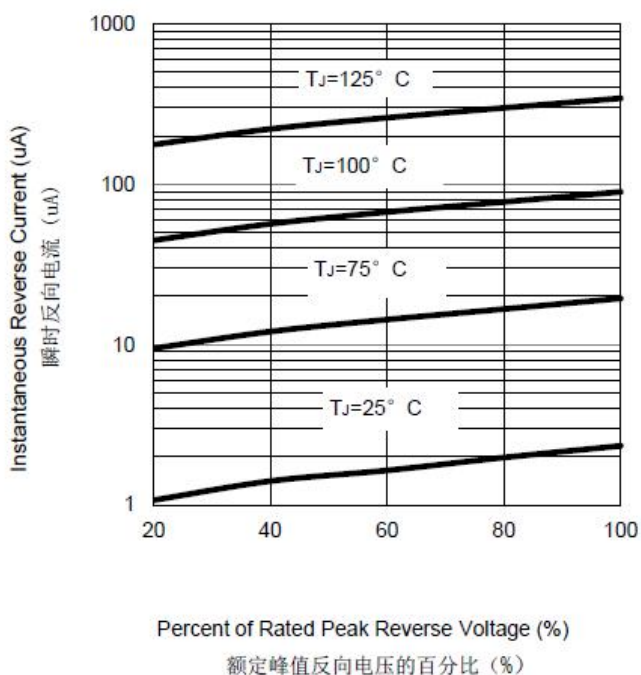


Fig. 4 - Typical Forward Characteristics

图4 典型的正向特性

