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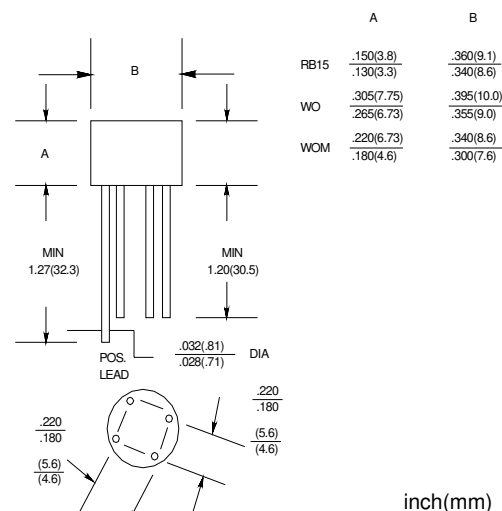


FEATURES

- Rating to 1000V PRVP
- Surge overload rating to 40 Amperes peak
- Glass passivated chip junctions
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Lead solderable per MIL-STD-202 method 208
- Lead: silver plated copper, solderde plated
- Plastic material has UL flammability classification 94V-O

Maximum Ratings (@T_A = 25°C unless otherwise specified)

WOM



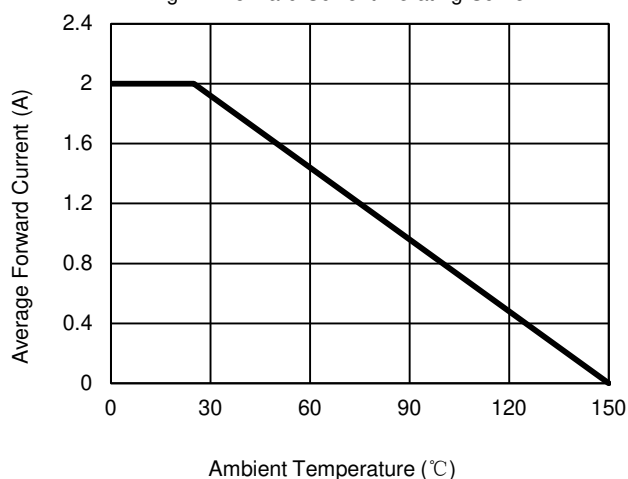
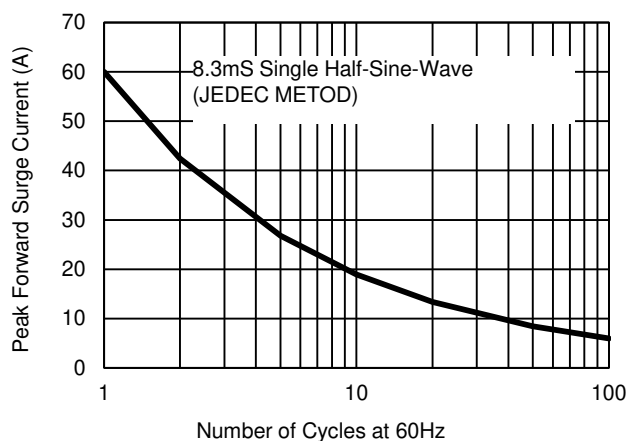
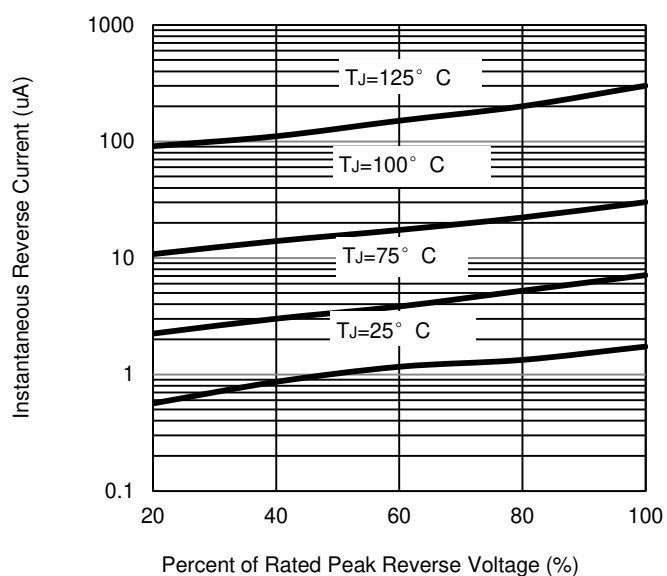
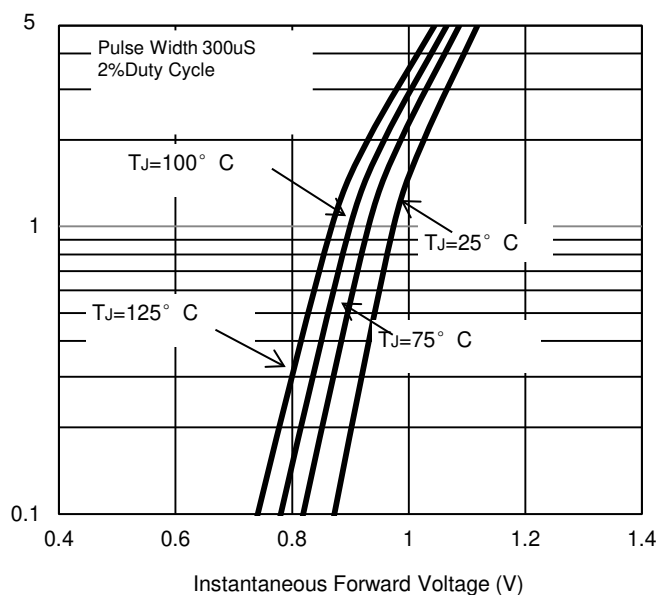
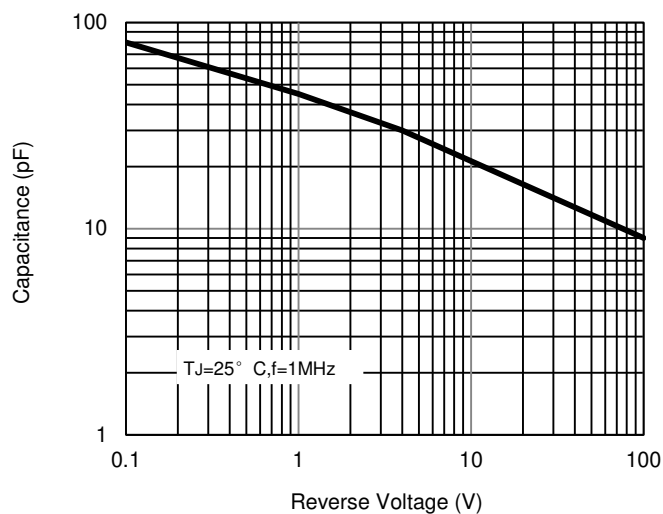
Characteristic	Symbol	2W005M	2W01M	2W02M	2W04M	2W06M	2W08M	2W10M	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Reverse Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum average forward Output current @T _A =40°C	I _{F(AV)}	2.0							A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I _{FSM}	60							A
Current squared time t < 8.3ms , Ta = 25 °C	I ² t	15							A ² s

Thermal Characteristics

Characteristic	Symbol	2W005M	2W01M	2W02M	2W04M	2W06M	2W08M	2W10M	UNITS
Typical thermal resistance junction to lead	R _{θJA}	40							°C/W
On aluminum substrate	R _{θJL}	15							
Operating junction temperature range	T _J	-55 -150							°C
Storage temperature range	T _{STG}	-55 -150							°C

Electrical Characteristics (@T_A = 25°C unless otherwise specified)

Characteristic	Symbol	2W005M	2W01M	2W02M	2W04M	2W06M	2W08M	2W10M	UNITS
Maximum instantaneous forward voltage at 2.0A	V _F	1.1							V
Maximum reverse current @T _A =25°C	I _R	10							μ A
at rated DC blocking voltage @T _A =100°C		1.0							m A

Fig. 1 - Forward Current Derating Curve

Fig. 2 - Maximum Non-Repetitive Surge Current

Fig. 3 - Typical Reverse Characteristics

Fig. 4 - Typical Forward Characteristics

Fig. 5 - Typical Junction Capacitance


Device	Shipping
2W005M-2W10M	50unit/pipe