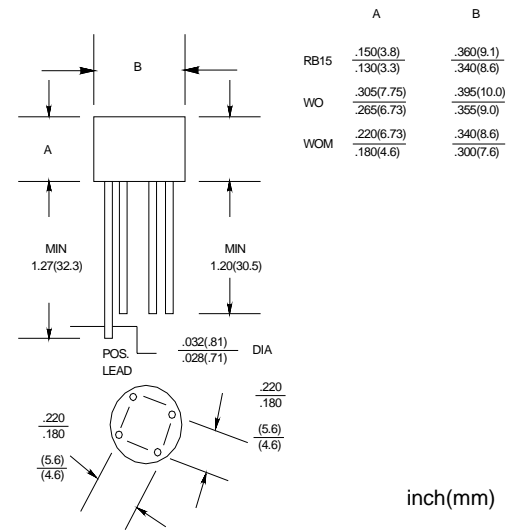




FEATURES

- 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-0

WOM



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

Characteristic	Symbol	2W005A	2W010A	2W020A	2W040A	2W060A	2W080A	2W100A	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	2W010M	2W020M	2W040M	2W060M	2W080M	2W100M	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	2W010M	2W020M	2W040M	2W060M	2W080M	2W100M	UNITS
Maximum instantaneous forward voltage at 2.0A	V _F	1.1							V
Maximum reverse current @T _A =25°C at rated DC blocking voltage @T _A =100°C	I _R	10							μA
		1.0							mA

Fig. 1 - Forward Current Derating Curve

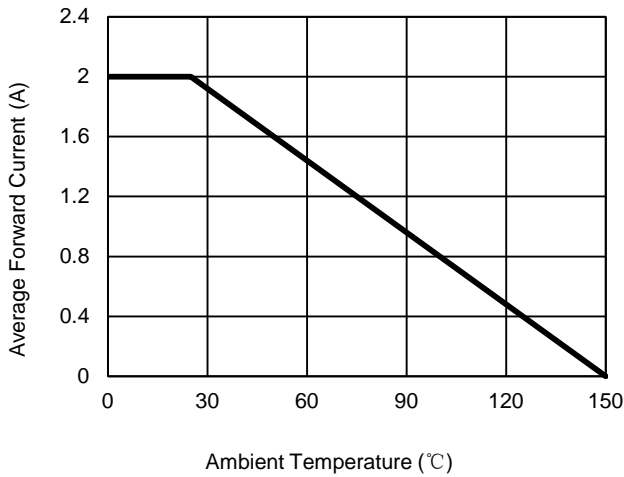


Fig. 2 - Maximum Non-Repetitive Surge Current

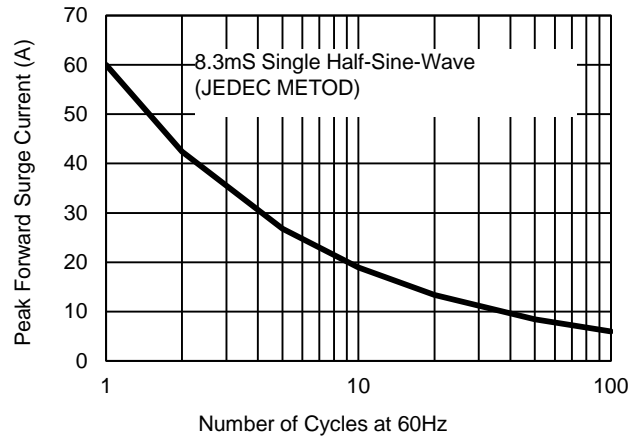


Fig. 3 - Typical Reverse Characteristics

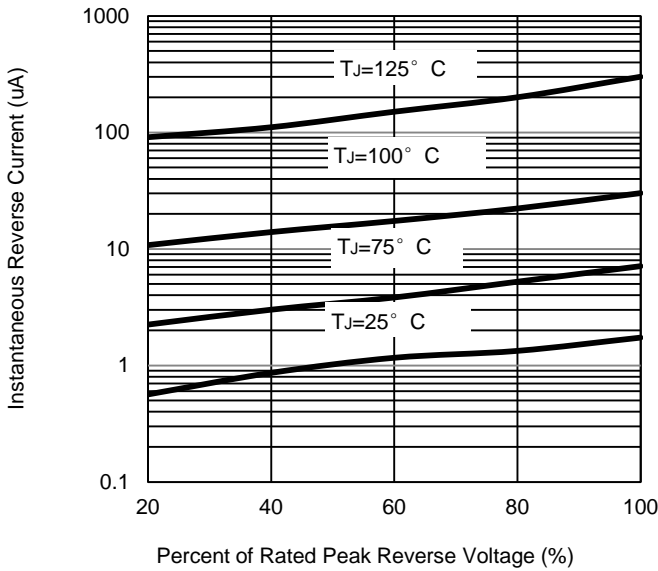


Fig. 4 - Typical Forward Characteristics

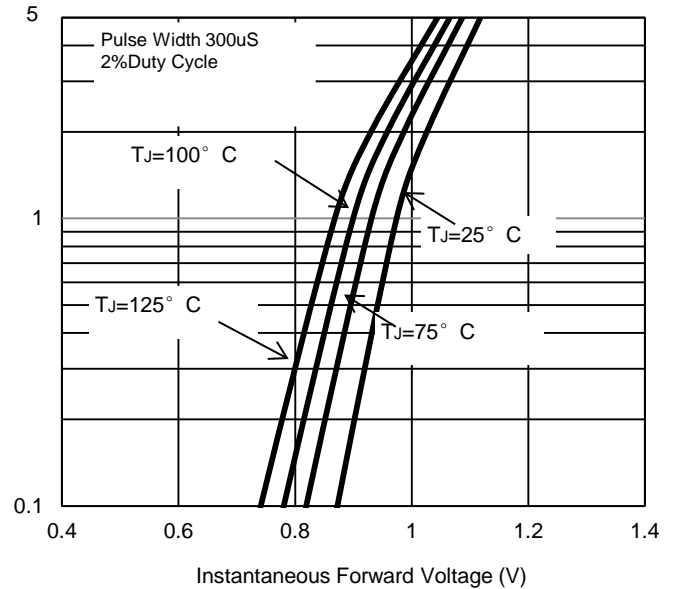
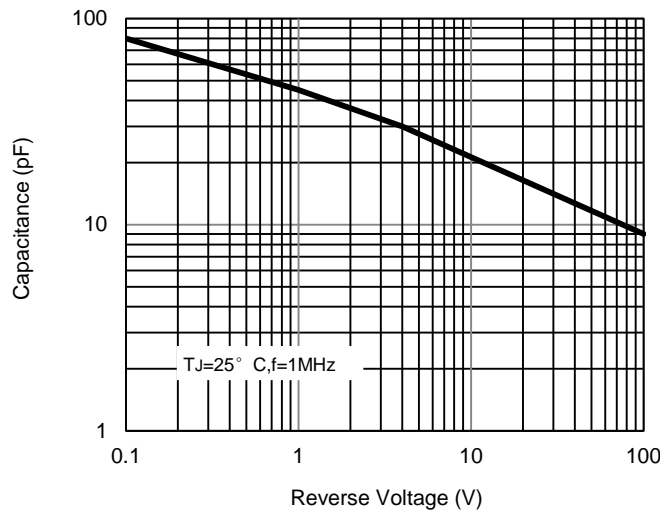


Fig. 5 - Typical Junction Capacitance



Device	Shipping
2W005M-2W10M	50unit/pipe