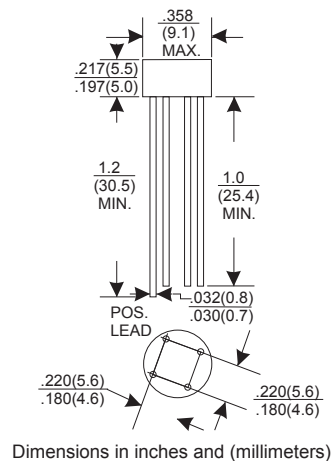




## FEATURES

- 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



## Maximum Ratings (@T<sub>A</sub> = 25°C unless otherwise specified)

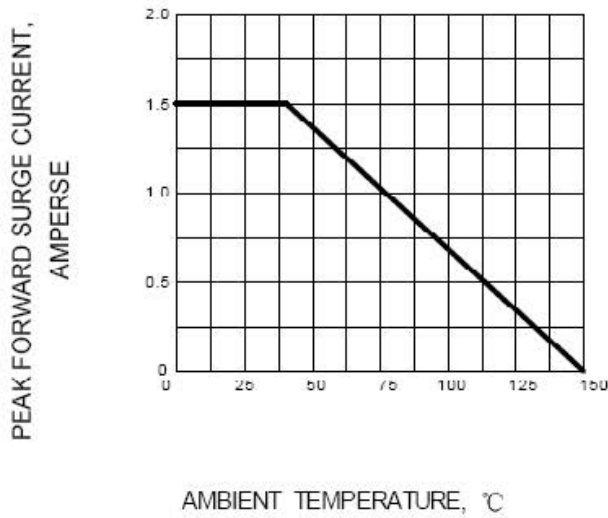
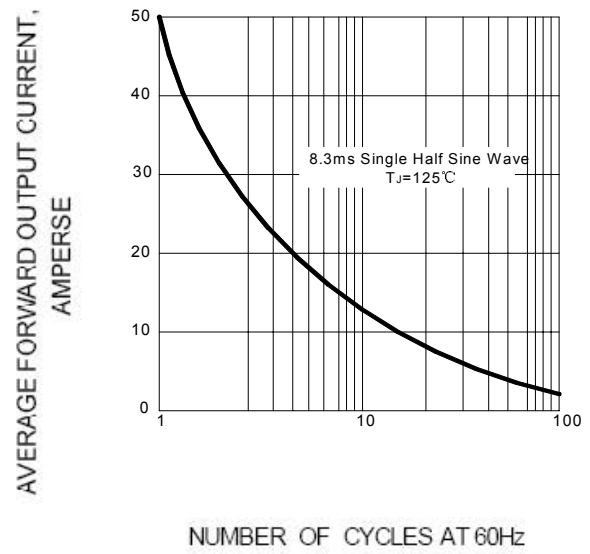
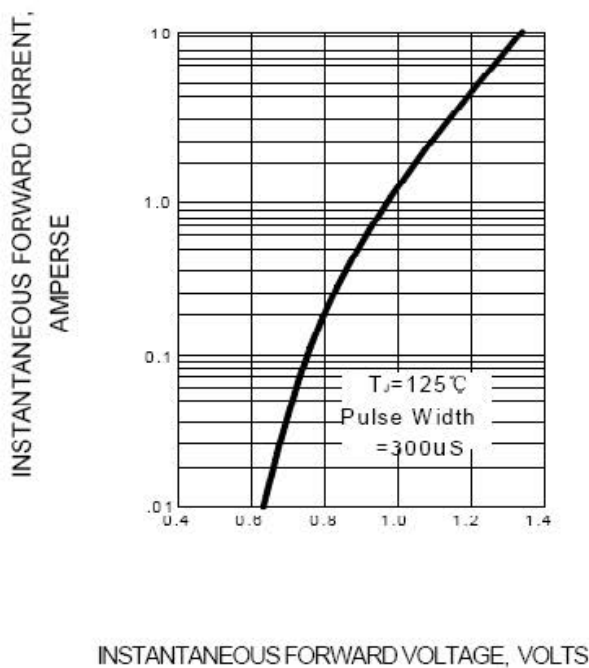
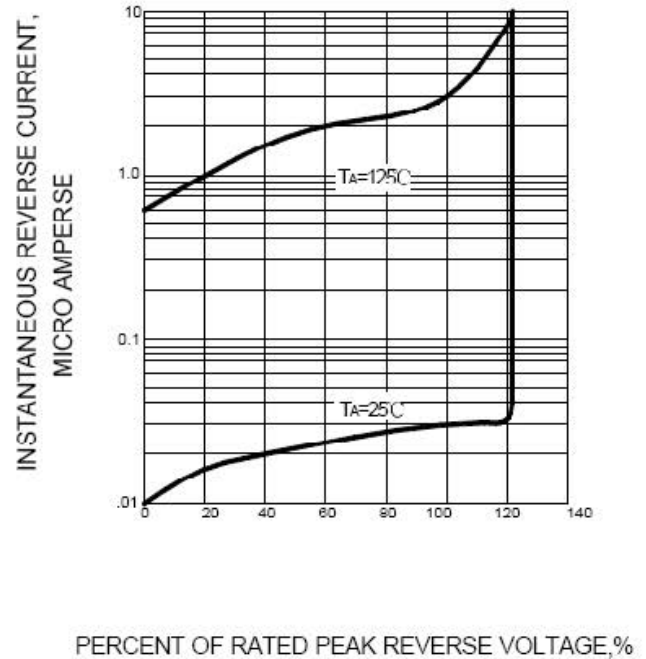
Characteristic	Symbol	W005M	W01M	W02M	W04 M	W06M	W08 M	W10M	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Reverse Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum average forward Output current @T <sub>A</sub> =40°C	I <sub>F(AV)</sub>	1.5							A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I <sub>FSM</sub>	50							A
I <sup>2</sup> t Rating for fusing @T <sub>j</sub> =25°C	I <sup>2</sup> t	10							A <sup>2</sup> S

## Thermal Characteristics

Characteristic	Symbol	W005M	W01M	W02M	W04 M	W06M	W08 M	W10M	UNITS
Typical Thermal Resistance (Note)	R <sub>θJA</sub> R <sub>θJL</sub>	36 13							°C/W
Operating junction temperature range	T <sub>J</sub>	-55 -- +150							°C
Storage temperature range	T <sub>STG</sub>	-55 -- +150							°C

## Electrical Characteristics (@T<sub>A</sub> = 25°C unless otherwise specified)

Characteristic	Symbol	W005M	W01M	W02M	W04 M	W06M	W08 M	W10M	UNITS
Maximum instantaneous forward voltage at 1.5A	V <sub>F</sub>	1.0							V
Maximum reverse current @T <sub>A</sub> =25°C at rated DC blocking voltage @T <sub>A</sub> =100°C	I <sub>R</sub>	5.0 0.5							μA mA

**FIG.1 – TYPICAL FORWARD CURRENT DERATING CURVE**

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

**FIG.3 – TYPICAL FORWARD CHARACTERISTIC**

**FIG.4 – TYPICAL REVERSE CHARACTERISTIC**


Device	Shipping
W005M-W10M	50unit/pipe

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