

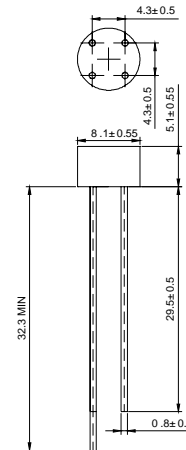
**SILICON BRIDGE RECTIFIERS**

**VOLTAGE RANGE: 50 --- 1000 V**  
**CURRENT: 1.5 A**

**FEATURES**

- ◇ Rating to 1000V PRV
- ◇ Surge overload rating to 30 Amperes peak
- ◇ Ideal for printed circuit board
- ◇ Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- ◇ Lead solderable per MIL-STD-250 method 2026
- ◇ Plastic material has UL flammability recognition 94V-O
- ◇ Weight: 0.050 ounces, 1.42 grams
- ◇ Glass passivated chip junctions

**WOM**



Dimensions in millimeters

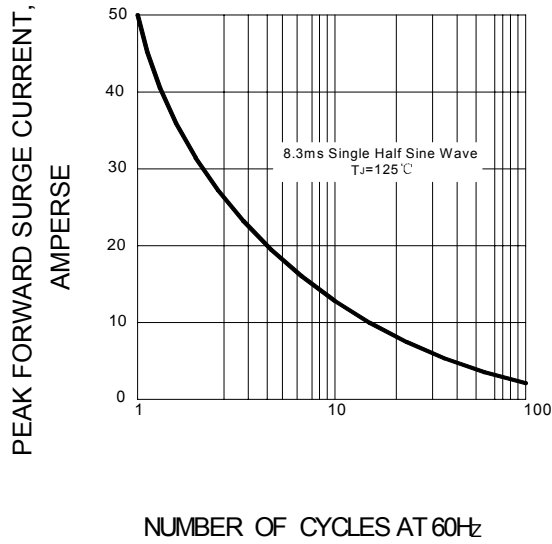
**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings at 25°C ambient temperature unless otherwise specified.

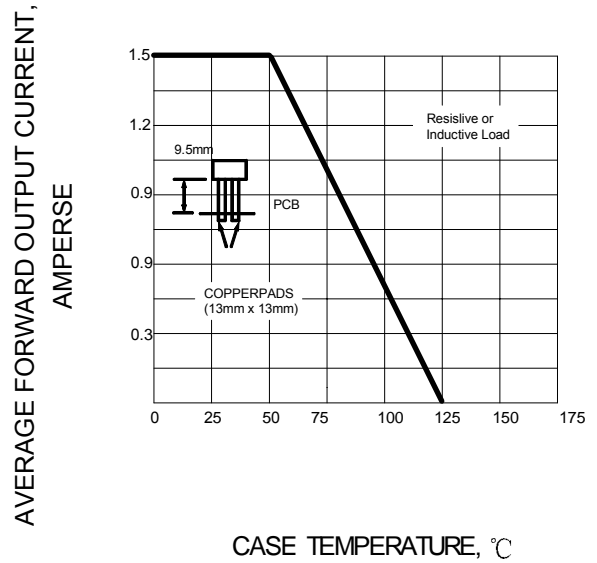
Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate by 20%.

		W005	W01	W02	W04	W06	W08	W10	UNITS
Maximum recurrent peak reverse voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum 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 Output current @ $T_c=50^\circ C$	$I_{F(AV)}$	1.5							A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	$I_{FSM}$	50							A
Maximum instantaneous forward voltage at 1.0 A	$V_F$	1.0							V
Maximum reverse current @ $T_A=25^\circ C$ at rated DC blocking voltage @ $T_A=125^\circ C$	$I_R$	5.0 0.5							$\mu A$ mA
Operating junction temperature range	$T_J$	- 55 --- + 125							°C
Storage temperature range	$T_{STG}$	- 55 --- + 150							°C

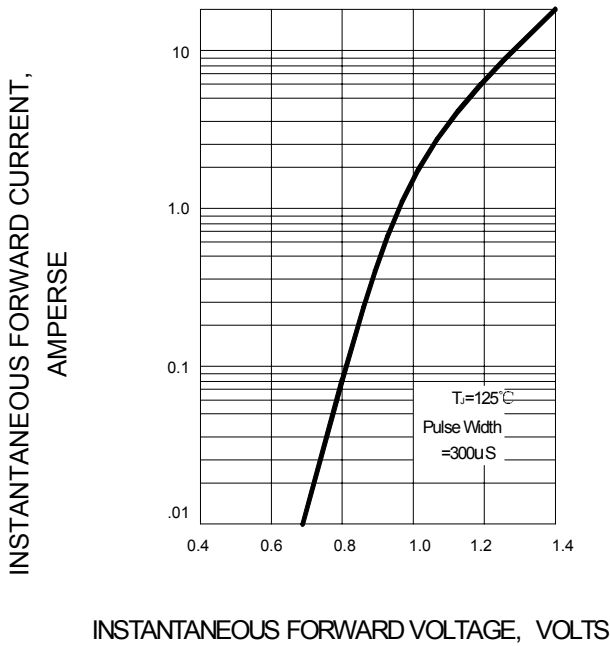
**FIG.1 – PEAK FORWARD SURGE CURRENT**



**FIG.2 – FORWARD DERATING CURVE**



**FIG.3 – TYPICAL FORWARD CHARACTERISTIC**



**FIG.4 – TYPICAL REVERSE CHARACTERISTIC**

