

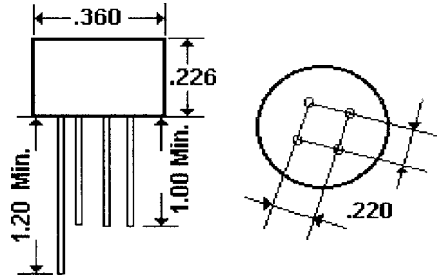
# 1.5 Amp GLASS PASSIVATED SINGLE PHASE SILICON BRIDGE

**W005G . . . 10G Series**

## Description



## Mechanical Dimensions



**Mechanical Data:** Mounting Position - Any.  
Weight - 1.1 Grams.

## Features

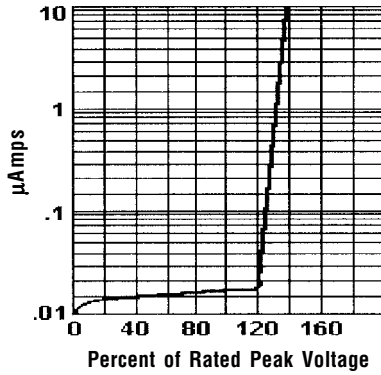
- **COMPACT SIZE**
- **200 AMP SURGE OVERLOAD RATING**
- **LOW LEAKAGE CURRENT**
- **MEETS UL SPECIFICATION 94V-0**

Electrical Characteristics @ 25°C.	<b>W005G . . . 10G Series</b>							Units
Maximum Ratings	W005G	W01G	W02G	W04G	W06G	W08G	W10G	
Peak Repetitive Reverse Voltage... $V_{RRM}$	50	100	200	400	600	800	1000	Volts
RMS Reverse Voltage... $V_{R(rms)}$	35	70	140	280	420	560	700	Volts
DC Blocking Voltage... $V_{DC}$	50	100	200	400	600	800	1000	Volts
Average Forward Rectified Current... $I_{F(av)}$ $T_A = 25^\circ C$	.....			1.5	.....			Amps
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$ 8.3 ms Single ½ Sine Wave Imposed on Rated Load	.....			50	.....			Amps
Forward Voltage... $V_F$ Bridge Element @ 1.0 Amp	.....			1.0	.....			Volts
DC Reverse Current... $I_R$ @ Rated DC Blocking Voltage	.....			10	.....			μAmps mAmps
	.....			1.0	.....			
Operating & Storage Temperature Range... $T_J, T_{STRG}$	.....			-55 to 125	.....			°C

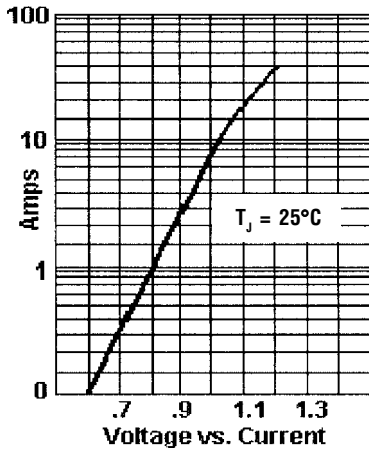
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**W005G . . . 10G Series**

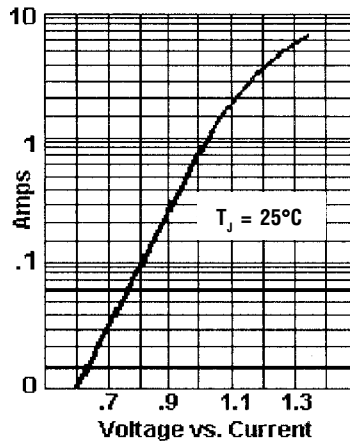
**Typical Reverse Characteristics**



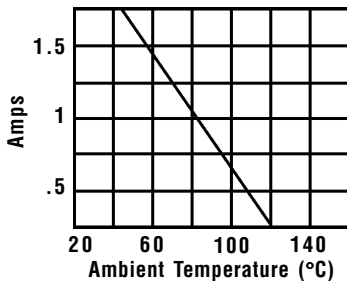
**Instantaneous Typical Forward Characteristics**



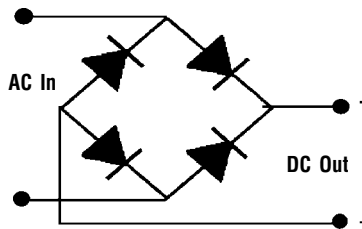
**Instantaneous Typical Forward Characteristics Per Element**



**Forward Current Derating Curve**



**Electrical Description**



Ratings at 25 Deg. C ambient temperature unless otherwise specified.

Single Phase Half Wave, 60 HZ Resistive or Inductive Load.

For Capacitive Load, Derate Current by 20%.