

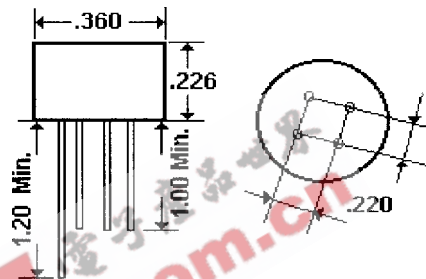
**2.0 Amp  
SINGLE PHASE SILICON BRIDGE**

**2W005 . . . 10 Series**

**Description**



**Mechanical Dimensions**



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

**Features**

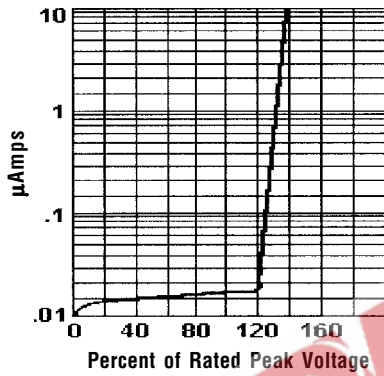
- COMPACT SIZE
- LOW LEAKAGE CURRENT
- 200 AMP SURGE OVERLOAD RATING
- MEETS UL SPECIFICATION 94V-0

Electrical Characteristics @ 25°C.	2W005 . . . 10 Series							Units
Maximum Ratings	2W005	2W01	2W02	2W04	2W06	2W08	2W10	
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... $I_{F(av)}$ $T_A = 25^\circ C$	2.0							Amps
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$ 8.3 mS Single 1/2 Sine Wave Imposed on Rated Load	60							Amps
Forward Voltage... $V_F$ Bridge Element @ 2.0 Amps	1.0							Volts
DC Reverse Current... $I_R$ @ Rated DC Blocking Voltage	$T_A = 25^\circ C$ 10 $T_A = 100^\circ C$ 1.0							$\mu$ Amps mAmps
Operating & Storage Temperature Range... $T_J, T_{STRG}$	-55 to 125							$^\circ C$

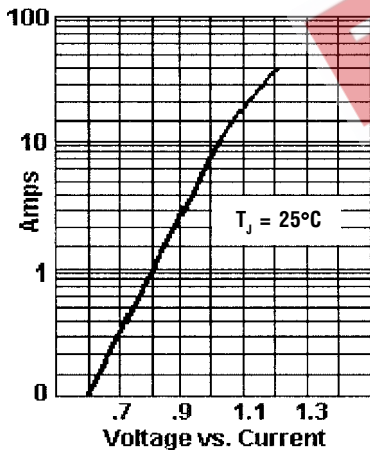
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SINGLE PHASE SILICON BRIDGE**

**2W005 . . . 10 Series**

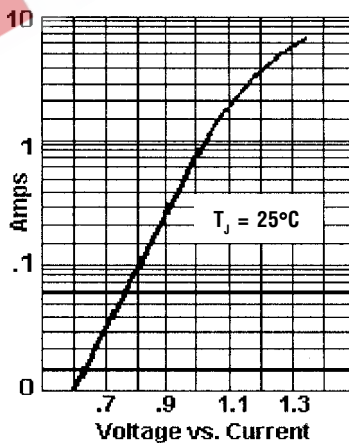
**Typical Reverse Characteristics**



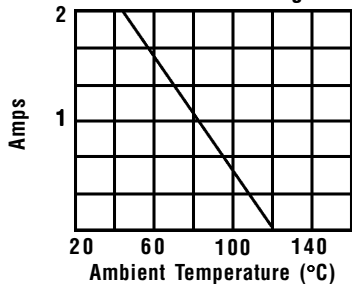
**Instantaneous Typical Forward Characteristics**



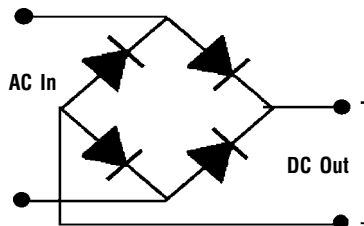
**Instantaneous Typical Forward Characteristics Per Element**



**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%.