

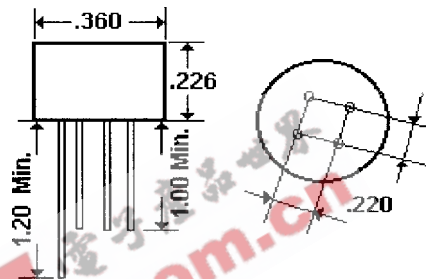
**2.0 Amp
SINGLE PHASE SILICON BRIDGE**

2W005 . . . 10 Series

Description



Mechanical Dimensions



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

Features

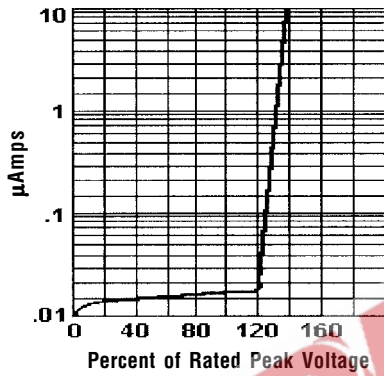
- **COMPACT SIZE**
- **LOW LEAKAGE CURRENT**
- **200 AMP SURGE OVERLOAD RATING**
- **MEETS UL SPECIFICATION 94V-0**

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	$T_A = 25^\circ C$ $T_A = 100^\circ C$			10		μ Amps mAmps
				1.0		
Operating & Storage Temperature Range... T_J, T_{STRG}			-55 to 125			$^\circ C$

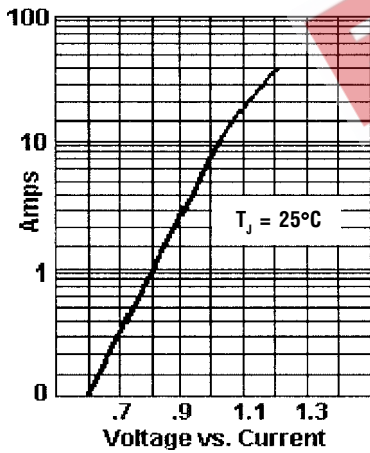
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SINGLE PHASE SILICON BRIDGE**

2W005 . . . 10 Series

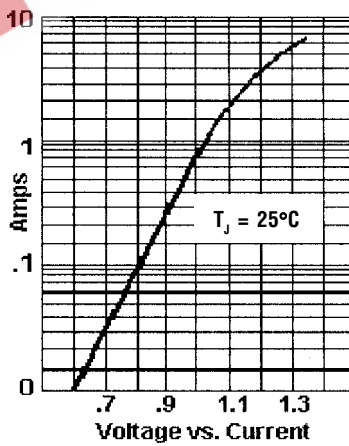
Typical Reverse Characteristics



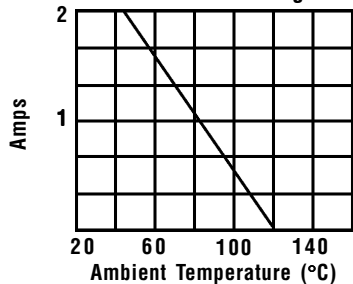
Instantaneous Typical Forward Characteristics



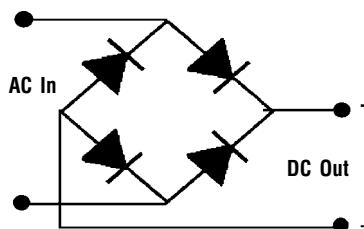
Instantaneous Typical Forward Characteristics Per Element



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%.