

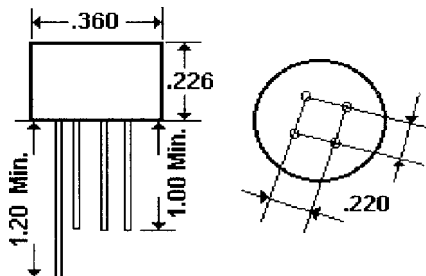
2.0 Amp SINGLE PHASE SILICON BRIDGE

2W005 . . . 10 Series

Description



Mechanical Dimensions



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

Features

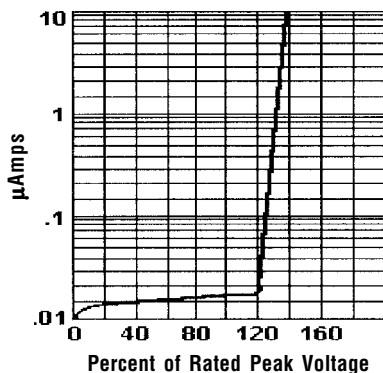
- **COMPACT SIZE**
- **200 AMP SURGE OVERLOAD RATING**
- **LOW LEAKAGE CURRENT**
- **MEETS UL SPECIFICATION 94V-0**

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... $I_{F(av)}$ $T_A = 25^\circ\text{C}$	.....	.....	.....	2.0	.....	.....	.....	Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} 8.3 ms Single ½ 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 $T_A = 25^\circ\text{C}$ $T_A = 100^\circ\text{C}$	10	μAmps mAmps
Operating & Storage Temperature Range... T_J, T_{STRG}	-55 to 125	°C

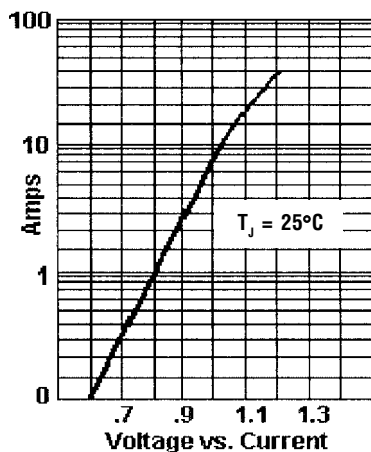
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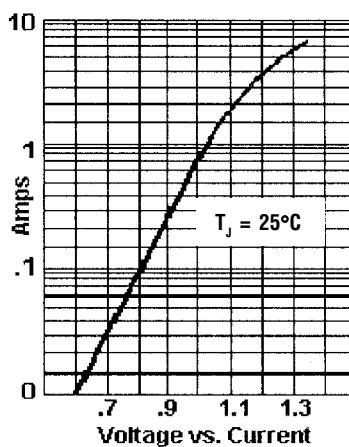
Typical Reverse Characteristics



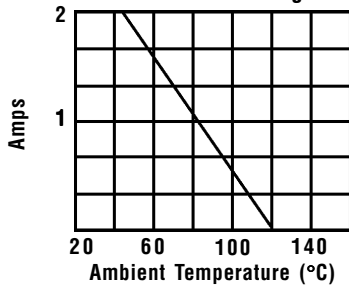
Instantaneous Typical Forward Characteristics



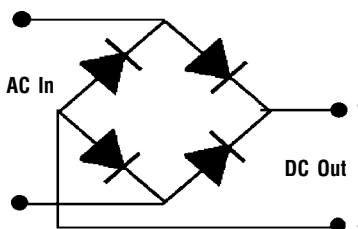
Instantaneous Typical Forward Characteristics Per Element



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%.