



W005 THRU W10

**SINGLE PHASE 1.0 AMPS.
SILICON BRIDGE RECTIFIERS**

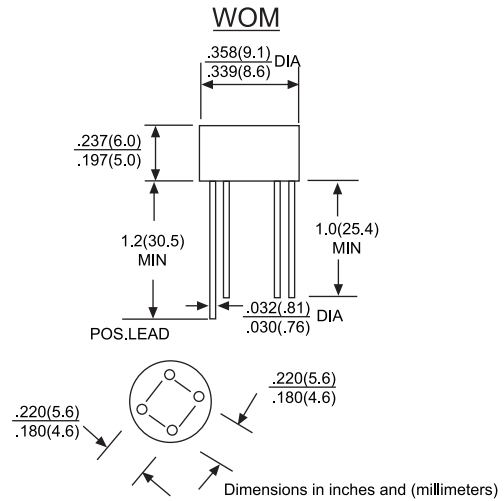
**Voltage Range
50 to 1000 Volts
Current
1.0 Amperes**

FEATURES

- UL Recognized File # E-230084
- Surge overload ratings to 40 amperes peak
- Ideal for printed circuit board
Reliable low cost construction technique results in inexpensive product
- High temperature soldering guaranteed:
250°C / 10 seconds / 0.375"(9.5mm)
lead length at 5 lbs. (.2.3Kg) tension

Mechanical Data

- Case: Molded plastic
- Lead: Solder plated
- Polarity: As marked
- Weight: 1.10 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%

Type Number		W005	W01	W02	W04	W06	W08	W10	UNITS
Maximum Repetitive 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 Rectified Current @T _A = 50°C	I _{F(AV)}	1.0							A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	40							A
Maximum Instantaneous Forward Voltage Drop Per Leg@1.0A	V _F	1.0							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	10 500							uA uA
Operating Temperature Range	T _J	-55 to+125							°C
Storage Temperature Range	T _{STG}	-55 to+150							°C