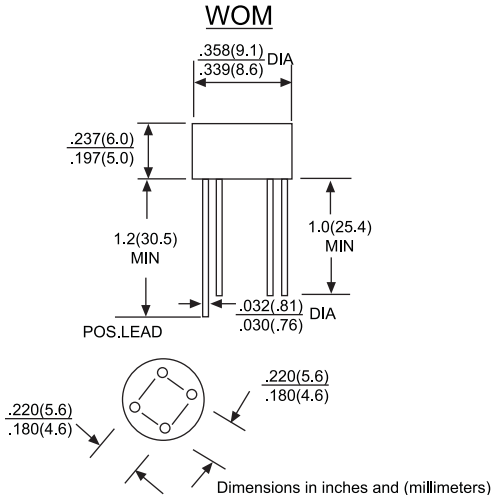


W005 THRU W10

| | |
|--|--|
| <p>SINGLE PHASE 1.0 AMPS. SILICON BRIDGE RECTIFIERS</p> | <p>Voltage Range 50 to 1000 Volts Current 1.0 Amperes</p> |
| <p>FEATURES</p> <ul style="list-style-type: none"> ● 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 <p>Mechanical Data</p> <ul style="list-style-type: none"> ● Case:Molded plastic ● Lead:Solder plated ● Polarity:As marked ● Weight:1.10 grams | <p>WOM</p>  <p style="text-align: center;">Dimensions in inches and (millimeters)</p> |

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 T _A = 25°C T _A = 100°C | I _R | 10 500 | | | | | | | uA uA |
| Operating Temperature Range | T _J | -55 to+125 | | | | | | | °C |
| Storage Temperature Range | T _{STG} | -55 to+150 | | | | | | | °C |

RATING AND CHARACTERISTIC CURVES W005 THRU W10

