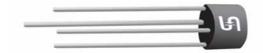


W005M - W10M



Single Phase 1.5 AMPS. Silicon Bridge Rectifiers **WOB**

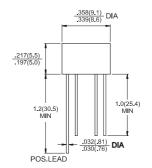


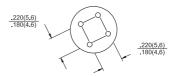
Features

- ♦ UL Recognized File # E-96005
- ♦ 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: 260 °C / 10 seconds / 0.375" (9.5mm) lead length at 5 lbs. (2.3 Kg) tension

Mechanical Data

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





Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

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

Type Number	Symbol	W005M	W01M	W02M	W04M	W06M	W08M	W10M	Units
Maximum Recurrent 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	٧
Maximum Average Forward Rectified Current @T _A = 50 °C	I _(AV)				1.5				Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	40							Α
Maximum Instantaneous Forward Voltage @ 1.5A	V _F	1.0							V
Maximum DC Reverse Current @ T _A =25 °C at Rated DC Blocking Voltage @ T _A =125 °C	I _R	10 500							uA uA
Typical thermal Resistance (Note)	$R_{ heta JA} \ R_{ heta JL}$	36 13							°C/W
Operating Temperature Range	TJ	-55 to +125							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

Note: Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted on P.C.B. at 0.375" (9.5mm) Lead Lengths with 0.4" x 0.4" (10mm x 10mm) Copper Pads.



RATINGS AND CHARACTERISTIC CURVES (W005M THRU W10M)

