

2W005M THRU 2W10M	
Single Phase 2.0 AMPS. Silicon Bridge Rectifiers	
<b>Features</b> <ul style="list-style-type: none"> <li>UL Recognized</li> <li>Surge overload ratings to 30 amperes peak</li> <li>Ideal for printed circuit board</li> <li>Reliable low cost construction technique results in inexpensive product</li> <li>High temperature soldering guaranteed: 250°C / 10 seconds / 0.375" ( 9.5mm ) lead length at 5 lbs., ( 2.3 kg ) tension</li> </ul>	<b>Voltage Range</b> 50 to 1000 Volts <b>Current</b> 2.0 Amperes
	<b>WOB</b> <p>Dimensions in inches and (millimeters)</p>

### 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, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Symbol	2W 005M	2W 01M	2W 02M	2W 04M	2W 06M	2W 08M	2W 10M	Units
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ T <sub>A</sub> = 50°C	2.0							A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method )	50							A
Maximum Instantaneous Forward Voltage @ 2.0A	1.1							V
Maximum DC Reverse Current @ T <sub>A</sub> =25°C at Rated DC Blocking Voltage @ T <sub>A</sub> =100°C	10 500							uA uA
Operating Temperature Range T <sub>J</sub>	-55 to +125							°C
Storage Temperature Range T <sub>STG</sub>	-55 to +150							°C

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