

<b>SILICON BRIDGE RECTIFIERS</b>	<p>REVERSE VOLTAGE - <b>50 to 1000</b>Volts          FORWARD CURRENT - <b>2.0</b> Amperes</p>
<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Surge overload rating -60 amperes peak</li> <li>● Ideal for printed circuit board</li> <li>● Reliable low cost construction utilizing molded plastic technique results in expensive product</li> <li>● Mounting position :Any</li> <li>● Lead: Sliver plated copper lead</li> </ul>	<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%

CHARACTERISTICS	SYMBOL	2W005	2W01	2W02	2W04	2W06	2W08	2W10	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current 0.375" (9.5mm) Lead Lengths @TA=25 °C	I(AV)	2.0							A
Peak Forward Surage Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	60							A
I <sup>2</sup> t Rating for Fusing (t<8.3ms)	I <sup>2</sup> t	15.0							A <sup>2</sup> s
Maximum Forward Voltage Drop Per Element at 2.0A Peak	VF	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	IR	10.0 1.0							uA mA
Typical Junction Capacitance Per Element (Note1)	CJ	30							pF
Operating Temperature Range	TJ	-55 to +125							°C
Storage Temperature Range	TSTG	-55 to +125							°C

Note:1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

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