

<b>SILICON BRIDGE RECTIFIERS</b>	<b>REVERSE VOLTAGE - 50 to 1000Volts</b> <b>FORWARD CURRENT - 2.0 Amperes</b>
<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Surge overload rating -50 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>

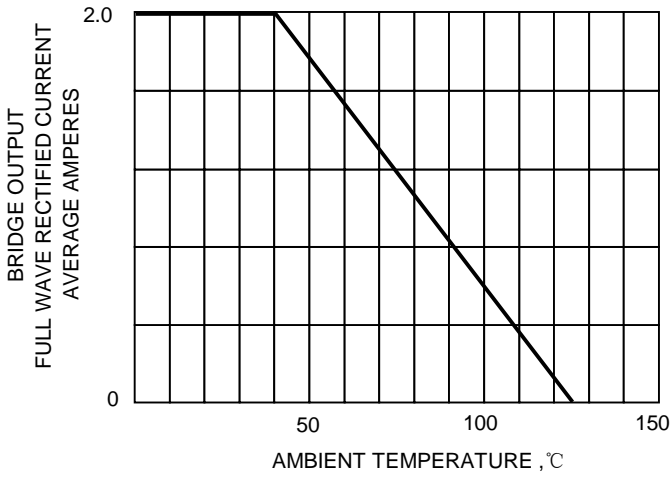
**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

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%

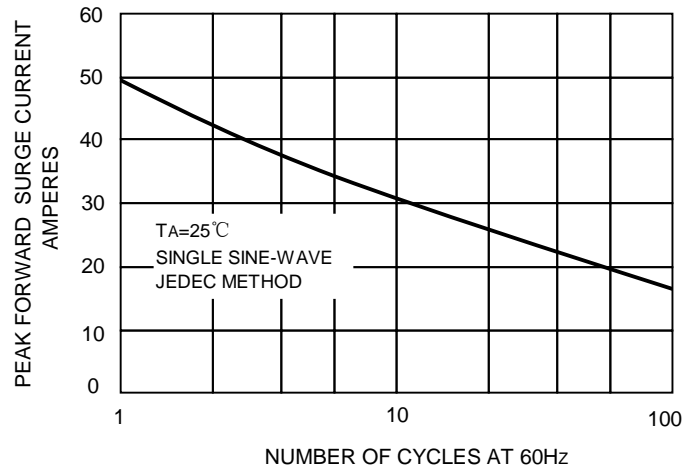
CHARACTERISTICS	SYMBOL	RS201	RS202	RS203	RS204	RS205	RS206	RS207	UNIT
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current 0.375" (9.5mm) Lead Lengths @T <sub>A</sub> =40 °C	I <sub(av)< sub=""></sub(av)<>	2.0							A
Peak Forward Surge Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I <sub>FSM</sub>	50							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	V <sub>F</sub>	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I <sub>R</sub>	10.0 1.0							uA mA
Typical Junction Capacitance Per Element (Note1)	C <sub>J</sub>	30							pF
Operating Temperature Range	T <sub>J</sub>	-55 to +125							°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +125							°C

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

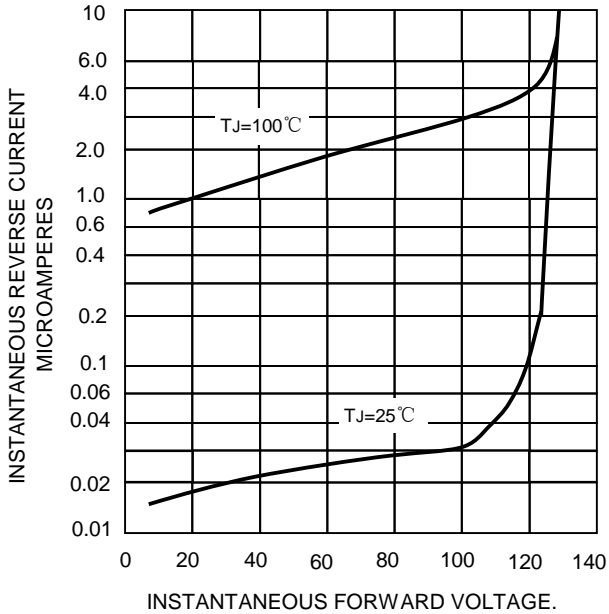
**FIG.1-DERATING CURVE FOR  
 OUTPUT RECTIFIED CURRENT**



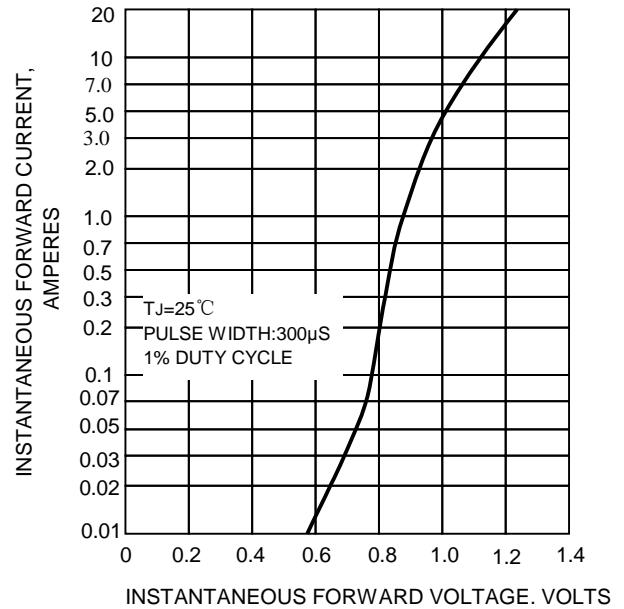
**FIG.2-MAXIMUM NON-REPETITIVE PEAK  
 FORWARD SURGE CURRENT**



**FIG.3-TYPICAL FORWARD CHARACTERISTICS**



**FIG.4-TYPICAL INSTANTANEOUS  
 FORWARD CHARACTERISTICS**



**FIG.5-TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT**

