

<b>SILICON BRIDGE RECTIFIERS</b>	<p><b>REVERSE VOLTAGE</b> - 50 to 1000Volts</p> <p><b>FORWARD CURRENT</b> - 6.0 Amperes</p>
<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Surge overload rating -175 amperes peak</li> <li>● Low forward voltage drop</li> <li>● Small size; simple installation</li> <li>● Sliver plated copper leads</li> <li>● Mounting position: Any</li> </ul>	<p><b>BR6</b></p> <p>Polarity shown on side of case, Positive lead by beveled corner.</p> <p>Dimensions in inches and (millimeters)</p>

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Rating at 25°C ambient temperature unless otherwise specified.

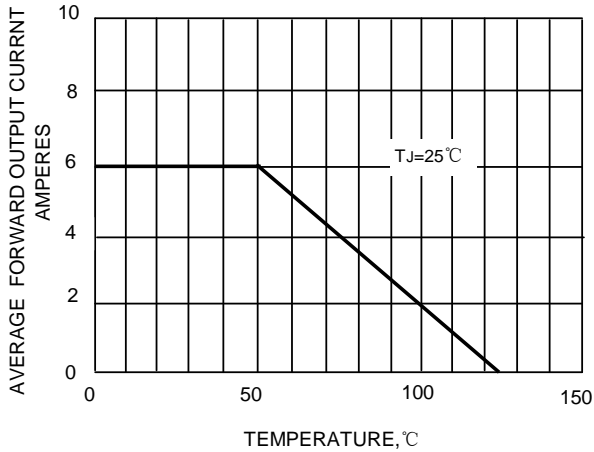
Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

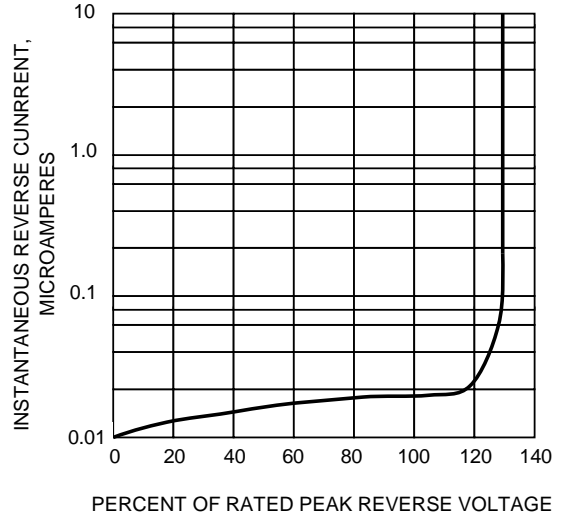
CHARACTERISTICS	SYMBOL	BR6005	BR601	BR602	BR604	BR606	BR608	BR610	UNIT	
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V	
Maximum RMS Bridge Input Voltage	V <sub>RMS</sub>	30	70	140	280	420	560	700	V	
Maximum Average Forward Rectified Output Current at T <sub>c</sub> =100°C (Note1) T <sub>A</sub> =50°C (Note2)	I <sub>(AV)</sub>					6.0			A	
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I <sub>FSM</sub>					175			A	
Maximum Forward Voltage Drop Per Bridge Element at 3.0A Peak	V <sub>F</sub>					1.0			V	
Maximum Reverse Current at Rated DC Blocking Voltage Per Element	I <sub>R</sub>					10.0			uA	
						1.0			mA	
Operating Temperature Range	T <sub>J</sub>					-55 to +125				°C
Storage Temperature Range	T <sub>STG</sub>					-55 to +125				°C

Notes:1.Unit mounted on metal chassis  
2. Unit mounted on P.C. board

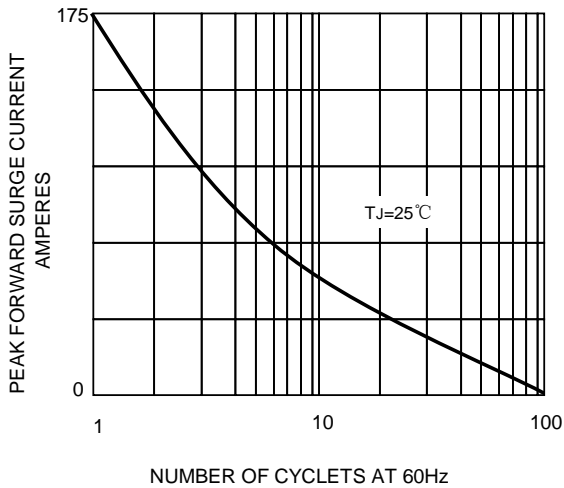
**FIG.1-DERATING CURVE FOR  
OUTPUT RECTIFIED CURRENT**



**FIG.2-TYPICAL REVERSE  
CHARACTERISTICS**



**FIG.3-MAXIMUM FORWARD SURGE CURRENT**



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

