

<b>SILICON BRIDGE RECTIFIERS</b>	<p>REVERSE VOLTAGE - <b>50 to 1000</b>Volts          FORWARD CURRENT - <b>3.0</b> Amperes</p>
<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Surge overload rating - 50 amperes peak</li> <li>● Low forward voltage drop</li> <li>● Small size; simple installation</li> <li>● Tinned copper leads</li> <li>● Mounting position: Any</li> <li>● Mounting: Thru hole for #6 screw</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	BR3005	BR301	BR302	BR304	BR306	BR308	BR310	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> =50°C (Note1)	I <sub>(AV)</sub>								3.0	A
Forward Rectified Output Current at T <sub>C</sub> =100°C (Note1)									2.0	
Current at T <sub>A</sub> =50°C (Note2)									2.0	
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I <sub>FSM</sub>								50	A
Maximum Forward Voltage Drop Per Bridge Element at 1.5A Peak	V <sub>F</sub>								1.1	V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element T <sub>A</sub> =25°C	I <sub>R</sub>								10.0	uA
T <sub>A</sub> =100°C									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

# RATING AND CHARACTERISTIC CURVES

BR3005 thru BR310

[查询"BR3005"供应商](#)



FIG.1-MAXIMUM FORWARD SURGE CURRENT

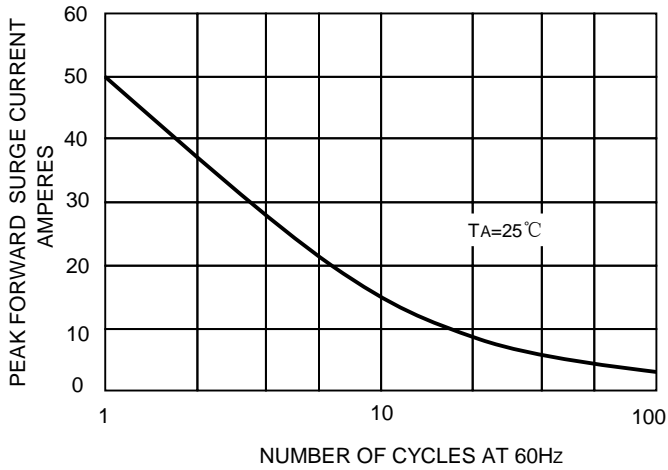


FIG.2-DERATING CURVE  
OUTPUT RECTIFIED CURRENT

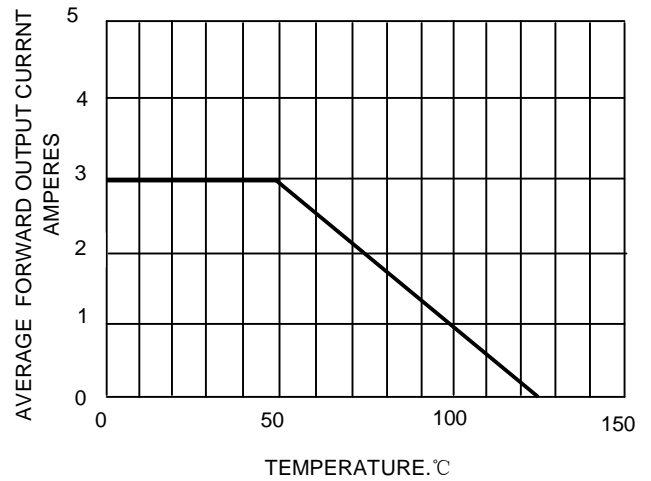


FIG.3-TYPICAL FORWARD CHARACTERISTICS

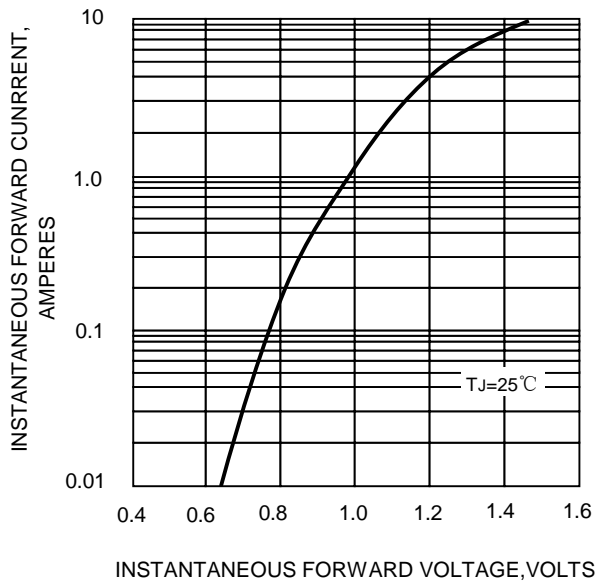


FIG.4-TYPICAL REVERSE CHARACTERISTICS

