

SILICON BRIDGE RECTIFIERS		REVERSE VOLTAGE		- 50 to 1000Volts							
		FORWARD CURRENT		- 10.0 Amperes							
<b>FEATURES</b>											
<ul style="list-style-type: none"> <li>● Surge overload rating -240 amperes peak</li> <li>● Low forward voltage drop</li> <li>● Small size; simple installation</li> <li>● Silver plated copper leads</li> <li>● Mounting position: Any</li> </ul>											
		<p><b>BR8</b></p> <p>Technical drawing showing the physical dimensions of the BR8 bridge rectifier. The top view shows the case with lead spacing of .770(19.6) and .730(18.5) inches. The side view shows the lead thickness as .052(1.3) and .048(1.2) inches, with a DIA. dimension. The overall height is .750(19.0) inches, with a MIN dimension of .255(6.5) inches. The bottom view shows the mounting holes with a diameter of .520(13.2) and a distance of .480(12.2) inches between them. The distance from the bottom of the case to the center of the holes is .770(19.6) and .730(18.5) inches. The text "HOLE FOR NO.6 SCREW" is also present.</p>									
		<p>Polarity shown on side of case, Positive lead by beveled corner.</p> <p>Dimensions in inches and (millimeters)</p>									
<b>MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS</b>											
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	BR 10005S	BR 1001S	BR 1002S						
Maximum Recurrent Peak Reverse Voltage		V <sub>RRM</sub>	50	100	200						
Maximum RMS Bridge Input Voltage		V <sub>RMS</sub>	30	70	140						
Maximum Average Forward Rectified Output Current at T <sub>c</sub> =50°C		I <sub>(AV)</sub>			10.0						
Forward Rectified Output Current at T <sub>A</sub> =100°C (Note1)					6.0						
Forward Rectified Output Current at T <sub>A</sub> =50°C (Note2)					6.0						
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load		I <sub>FSM</sub>			240						
Maximum Forward Voltage Drop Per Bridge Element at 5.0A Peak		V <sub>F</sub>			1.0						
Maximum Reverse Current at Rated DC Blocking Voltage Per Element T <sub>A</sub> =25°C		I <sub>R</sub>			10.0						
Maximum Reverse Current at Rated DC Blocking Voltage Per Element T <sub>A</sub> =100°C					1.0						
Operating Temperature Range		T <sub>J</sub>			-55 to +125						
Storage Temperature Range		T <sub>STG</sub>			-55 to +125						
Notes: 1. Unit mounted on metal chassis											
2. Unit mounted on P.C. board											

# RATING AND CHARACTERISTIC CURVES

## BR10S SERIES

查询"BR1004S"供应商

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FIG.1-DERATING CURVE  
OUTPUT RECTIFIED CURRENT

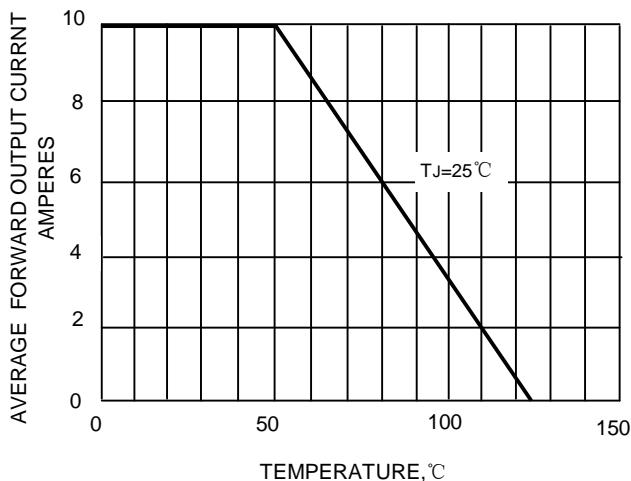


FIG.2-MAXIMUM FORWARD SURGE CURRENT

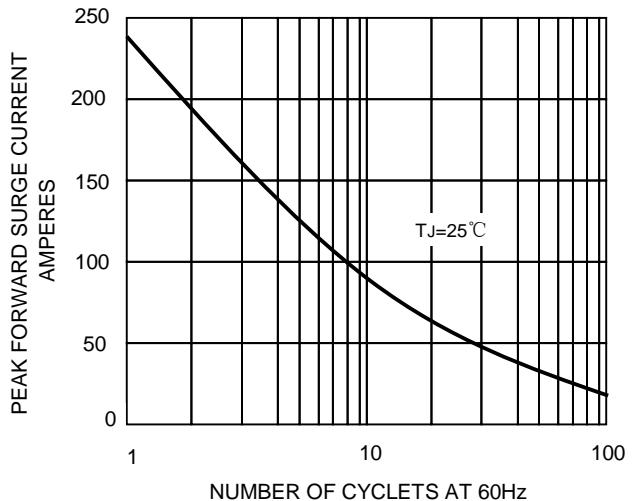


FIG.3-TYPICAL FORWARD  
CHARACTERISTICS

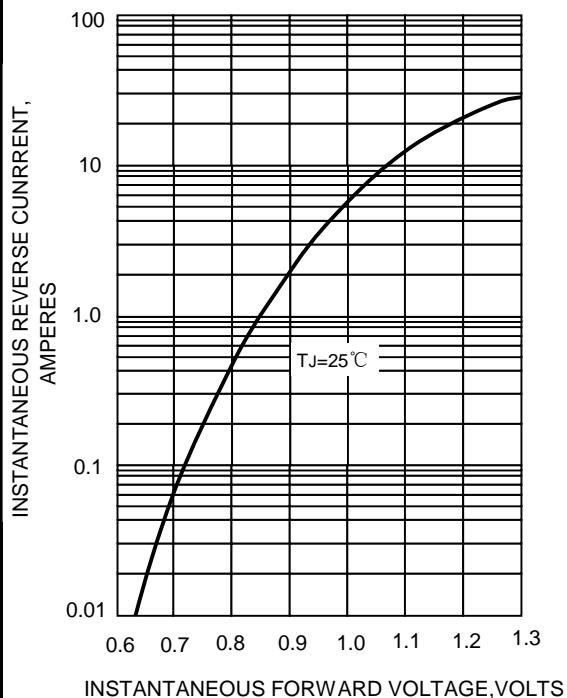


FIG.4-TYPICAL REVERSE  
CHARACTERISTICS

