

SILICON BRIDGE RECTIFIERS	<p>REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 10.0 Amperes</p>
<p>FEATURES</p> <ul style="list-style-type: none"> ● Surge overload rating -240 amperes peak ● Low forward voltage drop ● Small size; simple installation ● Sliver plated copper leads ● Mounting position: Any 	<p>BR8</p> <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	BR 10005S	BR 1001S	BR 1002S	BR 1004S	BR 1006S	BR 1008S	BR 1010S	UNIT	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	v	
Maximum RMS Bridge Input Voltage	V _{RMS}	30	70	140	280	420	560	700	v	
Maximum Average Forward Rectified Output Current at T _c =50°C	I _(AV)					10.0				A
Forward Rectified Output Current at T _A =100°C (Note1)						6.0				
Output Current at T _A =50°C (Note2)						6.0				
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}					240				A
Maximum Forward Voltage Drop Per Bridge Element at 5.0A Peak	V _F					1.0				V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element T _A =25°C	I _R					10.0				uA
DC Blocking Voltage Per Element T _A =100°C						1.0				mA
Operating Temperature Rang	T _J					-55 to +125				°C
Storage Temperature Rang	T _{STG}					-55 to +125				°C

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

FIG.1-DERATING CURVE
OUTPUT RECTIFIED CURRENT

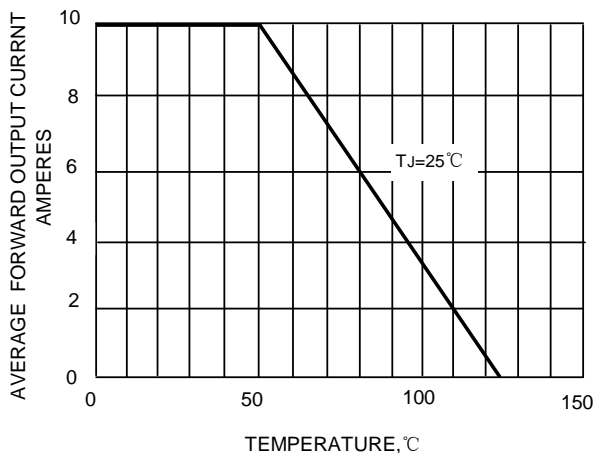


FIG.2-MAXIMUM FORWARD SURGE CURRENT

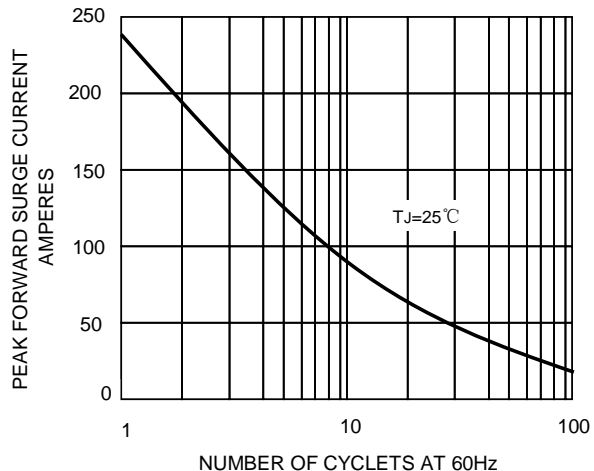


FIG.3-TYPICAL FORWARD
CHARACTERISTICS

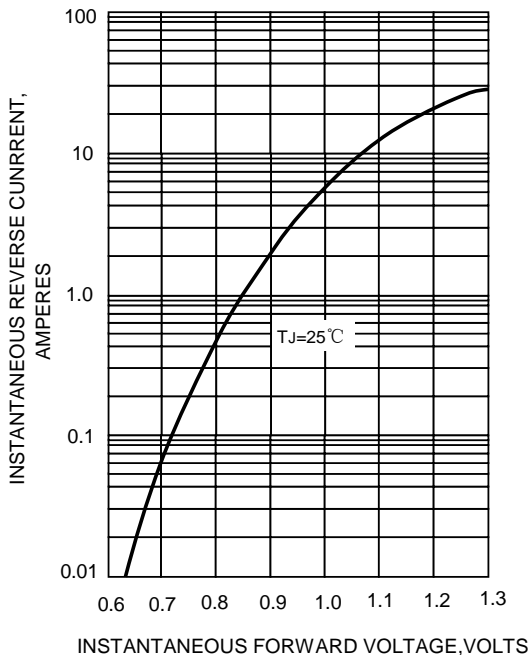


FIG.4-TYPICAL REVERSE
CHARACTERISTICS

