

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;">Polarity shown on side of case, Positive lead by beveled corner. 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}	35	70	140	280	420	560	700	v
Maximum Average Forward Rectified Output Current at T _A =50°C	I _(AV)	10.0							A
Peak Forward Surge 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 T _J =25°C	I _R	10.0							μA
DC Blocking Voltage Per Element T _J =100°C		1.0							mA
Operating Temperature Range	T _J	-55 to +125							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

FIG.1-DERATING CURVE
 OUTPUT RECTIFIED CURRENT

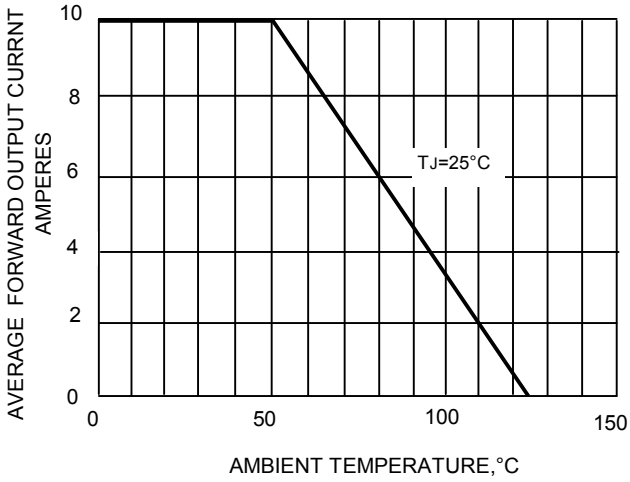


FIG.2-MAXIMUM FORWARD SURGE CURRENT

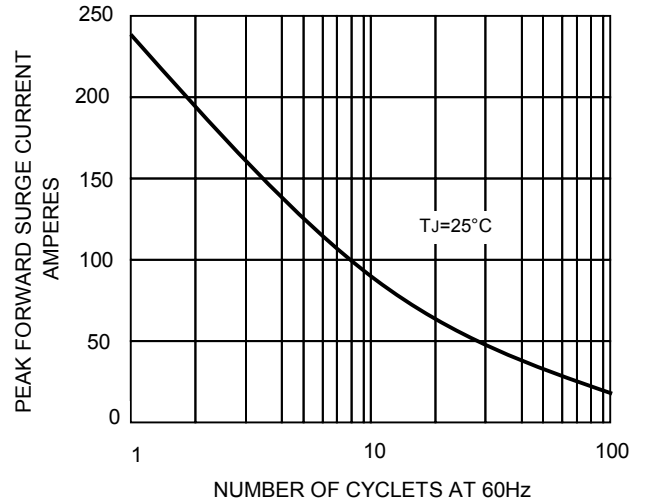


FIG.3-TYPICAL FORWARD CHARACTERISTICS

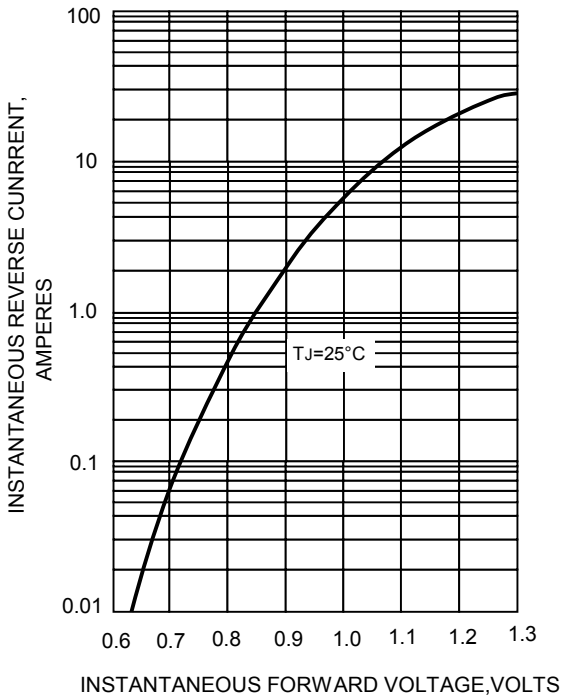


FIG.4-TYPICAL REVERSE CHARACTERISTICS

