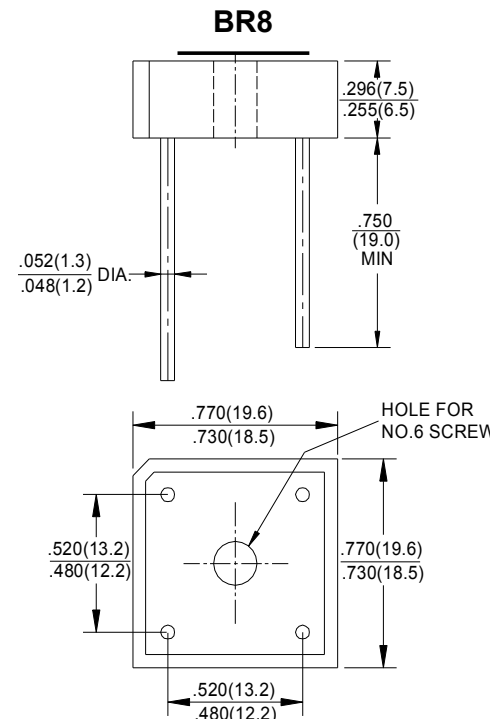


GLASS PASSIVATED BRIDGE RECTIFIERS	<p>REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 10.0 Amperes</p>
<p>FEATURES</p> <ul style="list-style-type: none"> ● Surge overload rating -200 amperes peak ● Low forward voltage drop ● Small size; simple installation ● Sliver plated copper leads ● Mounting position: Any 	<p>BR8</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	BR 10005SG	BR 1001SG	BR 1002SG	BR 1004SG	BR 1006SG	BR 1008SG	BR 1010SG	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 _c =50°C T _A =100°C (Note1) T _A =50°C (Note2)	I _(AV)	10.0				6.0			A
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	200							A
Maximum Forward Voltage Drop Per Bridge Element at 5.0A Peak	V _F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element T _A =25°C T _A =100°C	I _R	10.0				1.0			μA mA
Operating Temperature Rang	T _J	-55 to +150							°C
Storage Temperature Rang	T _{STG}	-55 to +150							°C

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

RATING AND CHARACTERISTIC CURVES

BR10G SERIES

FIG.1-DERATING CURVE
OUTPUT RECTIFIED CURRENT

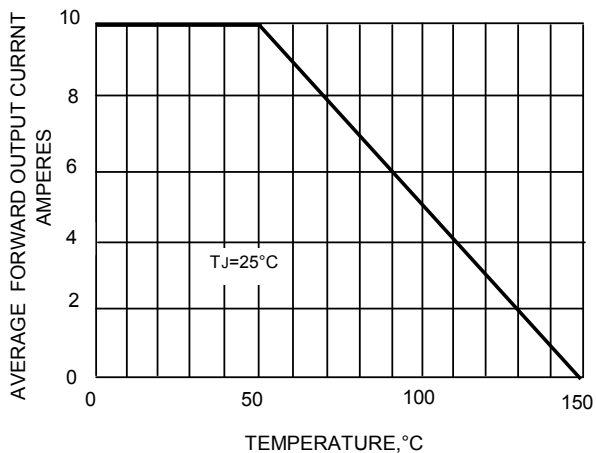


FIG.2-MAXIMUM FORWARD SURGE CURRENT

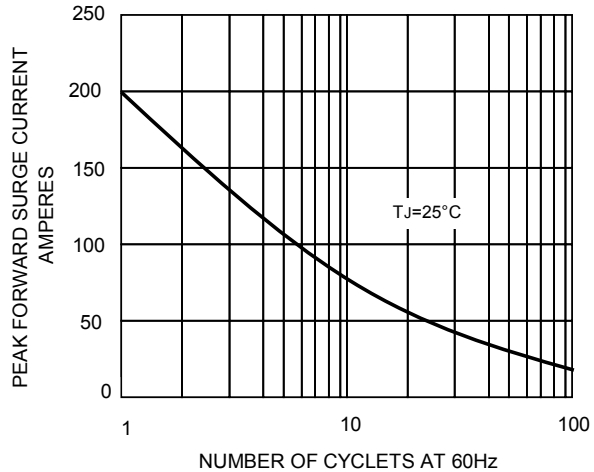


FIG.3-TYPICAL FORWARD CHARACTERISTICS

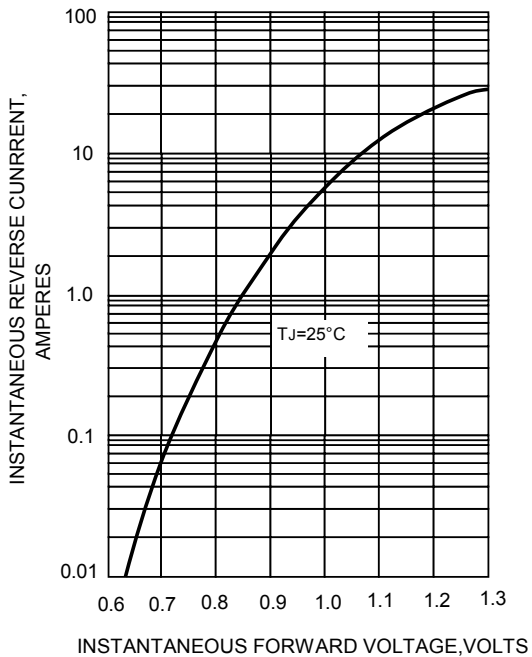


FIG.4-TYPICAL REVERSE CHARACTERISTICS

