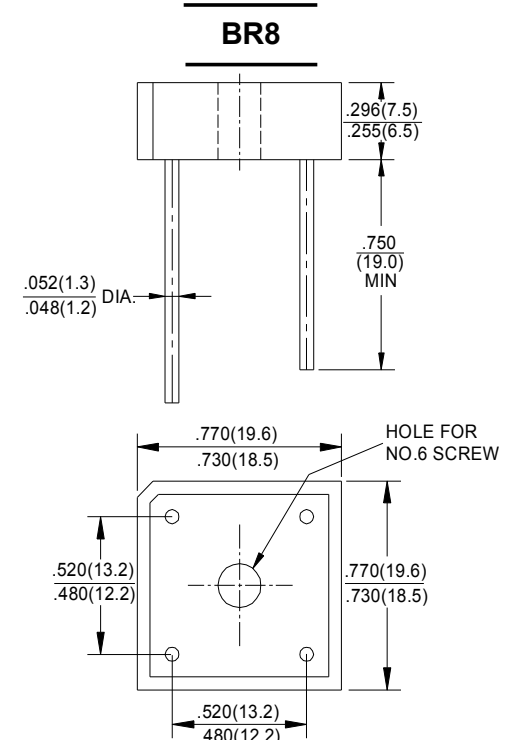


<b>GLASS PASSIVATED BRIDGE RECTIFIERS</b>	<b>REVERSE VOLTAGE - 50 to 1000Volts</b> <b>FORWARD CURRENT - 8.0 Amperes</b>
<b>FEATURES</b> <ul style="list-style-type: none"> <li>● Surge overload rating -175 amperes peak</li> <li>● Low forward voltage drop</li> <li>● Small size; simple installation</li> <li>● Silver plated copper leads</li> <li>● Mounting position: Any</li> </ul>	 <p 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	BR8005G	BR801G	BR802G	BR804G	BR806G	BR808G	BR810G	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum Average Forward Rectified Output Current at TC=100°C (Note1) TA=50°C (Note2)	I(AV)	8.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	175							A
Maximum Forward Voltage Drop Per Bridge Element at 4.0A Peak	VF	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element TA=25°C TA=100°C	IR	10.0							µA
		1.0							mA
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	TSTG	-55 to +150							°C

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

# RATING AND CHARACTERISTIC CURVES BR8G SERIES

FIG.1-DERATING CURVE FOR  
OUTPUT RECTIFIED CURRENT

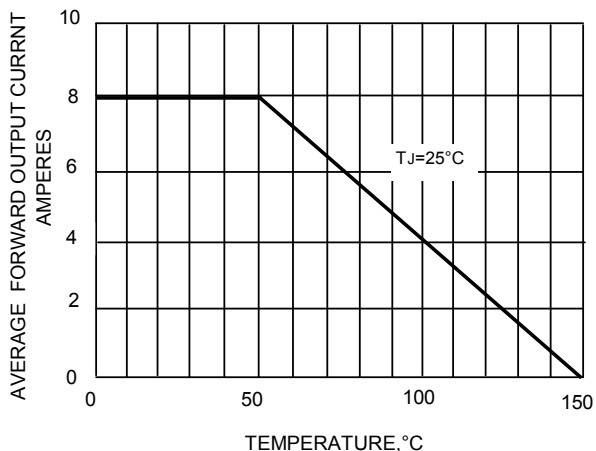


FIG.2-MAXIMUM FORWARD SURGE CURRENT

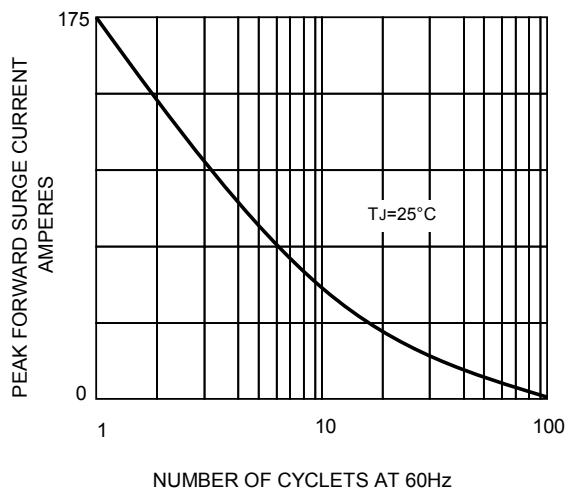


FIG.3-TYPICAL FORWARD  
CHARACTERISTICS

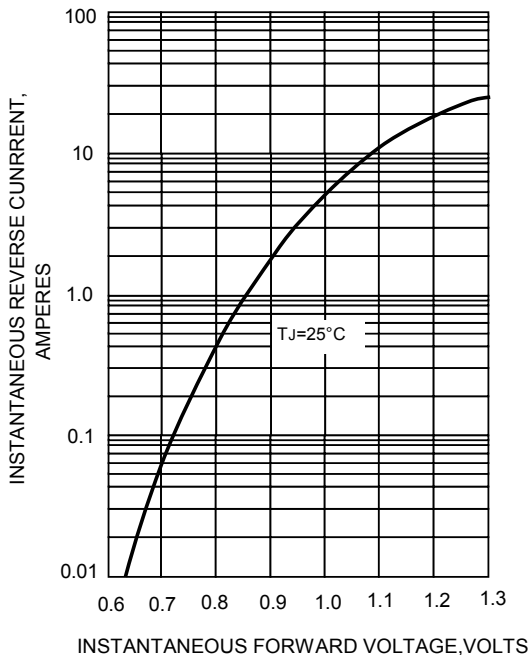


FIG.4-TYPICAL REVERSE  
CHARACTERISTICS

