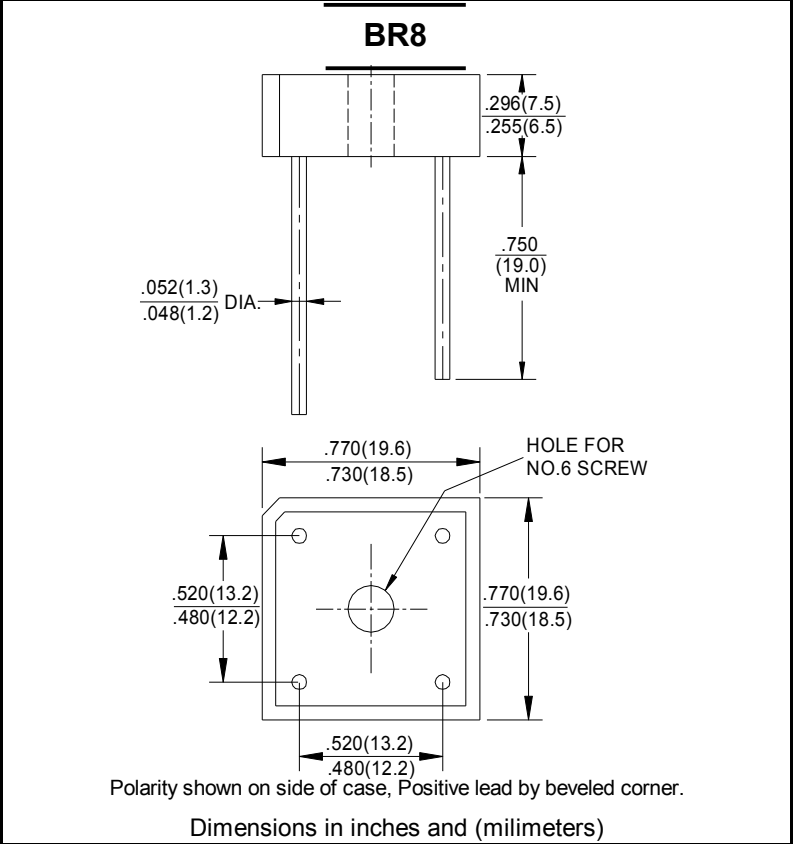


<b>SILICON BRIDGE RECTIFIERS</b>	<b>REVERSE VOLTAGE - 50 to 1000Volts</b> <b>FORWARD CURRENT - 8.0 Amperes</b>
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- FEATURES**
- Surge overload rating -200 amperes peak
  - Low forward voltage drop
  - Small size; simple installation
  - Sliver plated copper leads
  - Mounting position: Any



**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	BR8005	BR801	BR802	BR804	BR806	BR808	BR810	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 TA=50°C	I(AV)	8.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	200							A
Maximum Forward Voltage Drop Per Bridge Element at 4.0A Peak	VF	1.0							V
Maximum Reverse Current at Rated TJ=25°C	IR	10.0							µA
DC Blocking Voltage Per Element TJ=100°C		1.0							mA
Operating Temperature Range	TJ	-55 to +125							°C
Storage Temperature Range	TSTG	-55 to +150							°C

FIG.1-DERATING CURVE FOR  
 OUTPUT RECTIFIED CURRENT

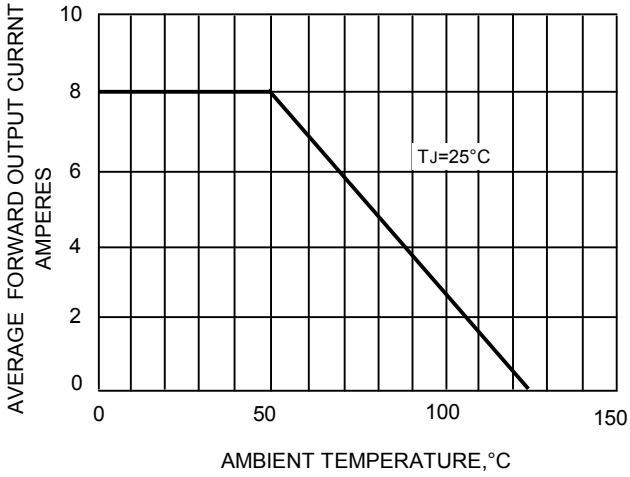


FIG.2-MAXIMUM FORWARD SURGE CURRENT

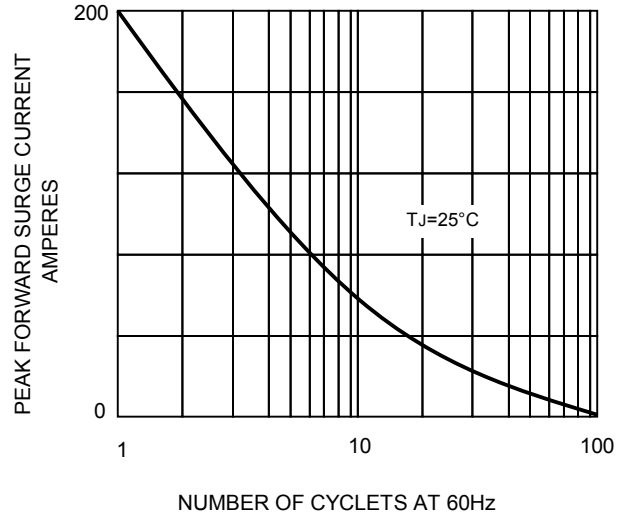


FIG.3-TYPICAL FORWARD  
 CHARACTERISTICS

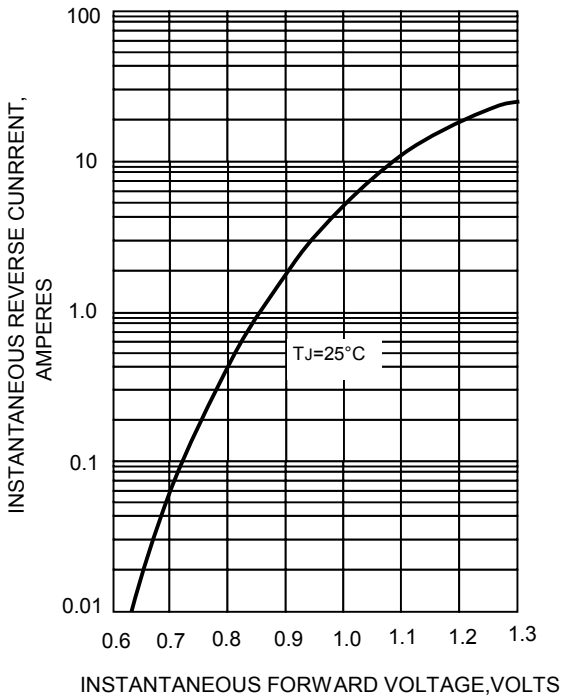


FIG.4-TYPICAL REVERSE  
 CHARACTERISTICS

