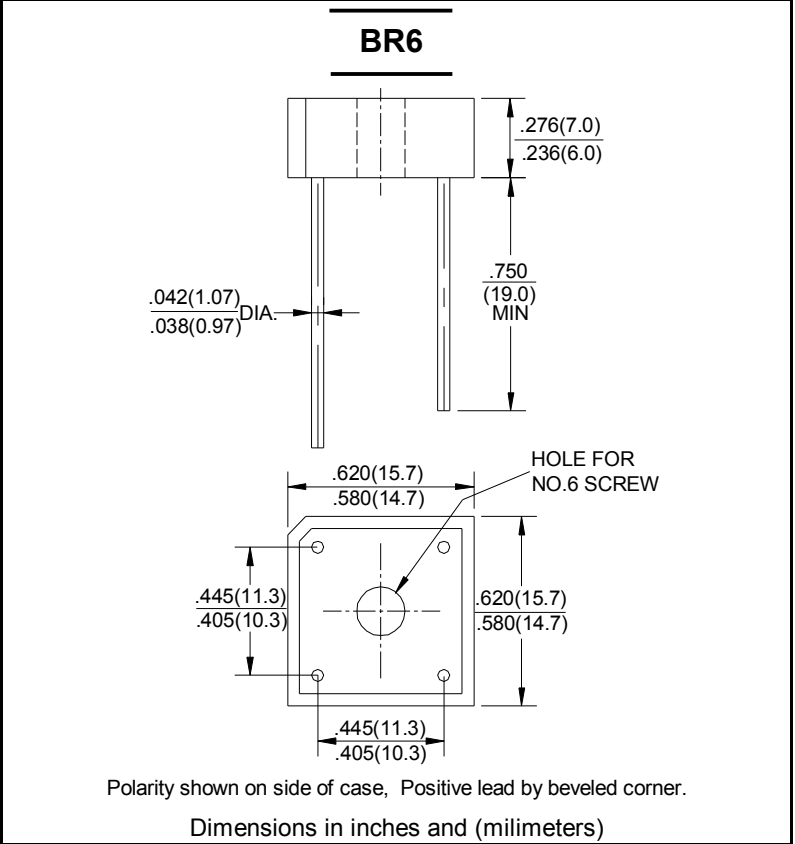


<b>SILICON BRIDGE RECTIFIERS</b>	<b>REVERSE VOLTAGE</b> - 50 to 1000Volts <b>FORWARD CURRENT</b> - 6.0 Amperes
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**FEATURES**

- Surge overload rating -175 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	BR6005	BR601	BR602	BR604	BR606	BR608	BR610	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)	6.0							3.0	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 3.0A Peak	VF	1.0								V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element TA=25°C TA=100°C	IR	10.0							1.0	µA mA
Operating Temperature Range	TJ	-55 to +125								°C
Storage Temperature Range	TSTG	-55 to +125								°C

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

# RATING AND CHARACTERISTIC CURVES

## BR6 SERIES

FIG.1-DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

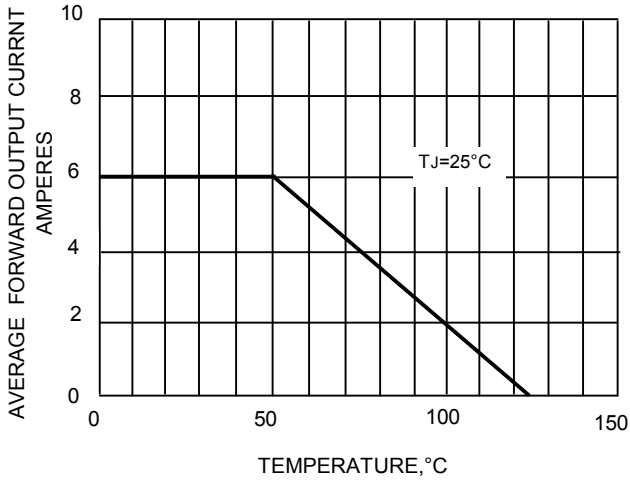


FIG.2-TYPICAL REVERSE CHARACTERISTICS

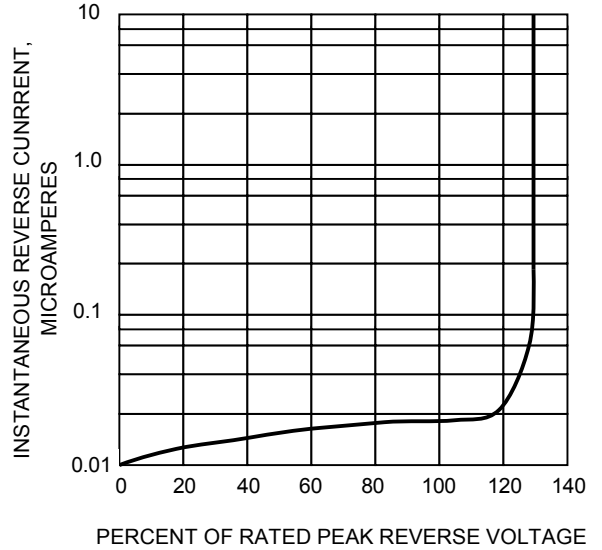


FIG.3-MAXIMUM FORWARD SURGE CURRENT

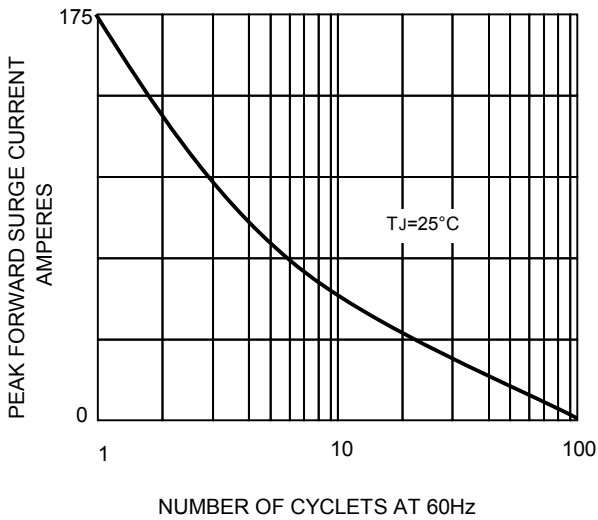


FIG.4-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

