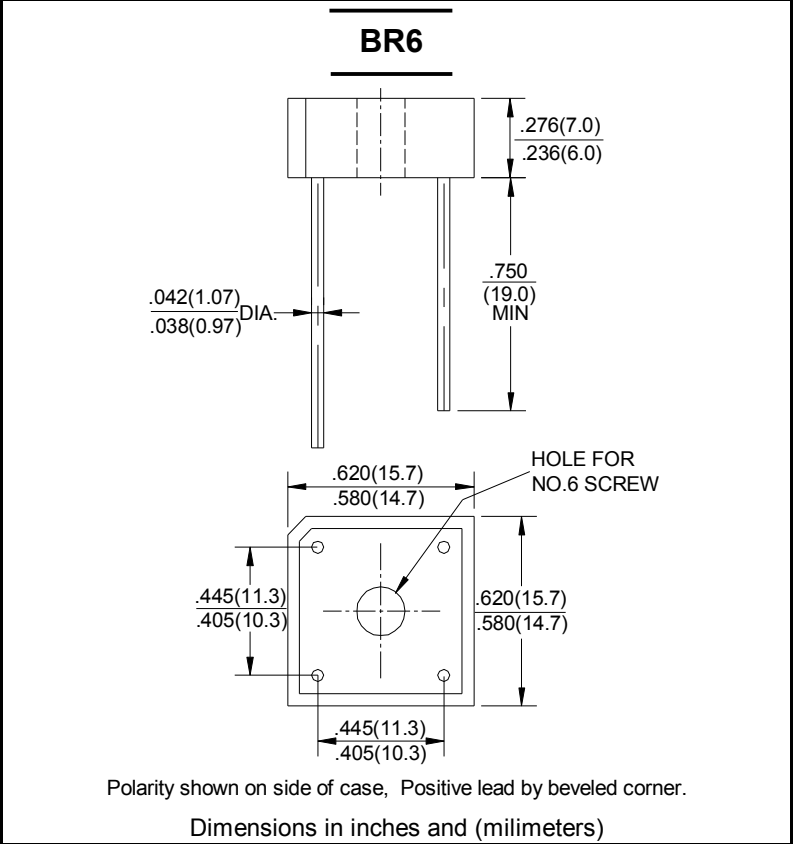


SILICON BRIDGE RECTIFIERS	REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 6.0 Amperes
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- FEATURES**
- Surge overload rating -175 amperes peak
 - Low forward voltage drop
 - Small size; simple installation
 - Sliver plated copper leads
 - Mounting 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 TA=50°C	I(AV)	6.0							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 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

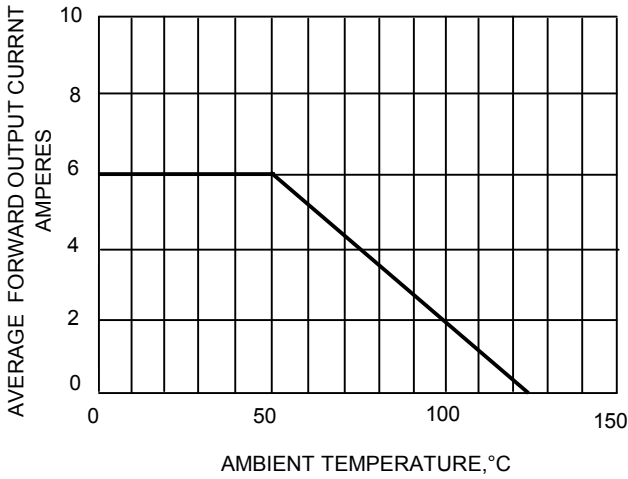


FIG.2-TYPICAL REVERSE
 CHARACTERISTICS

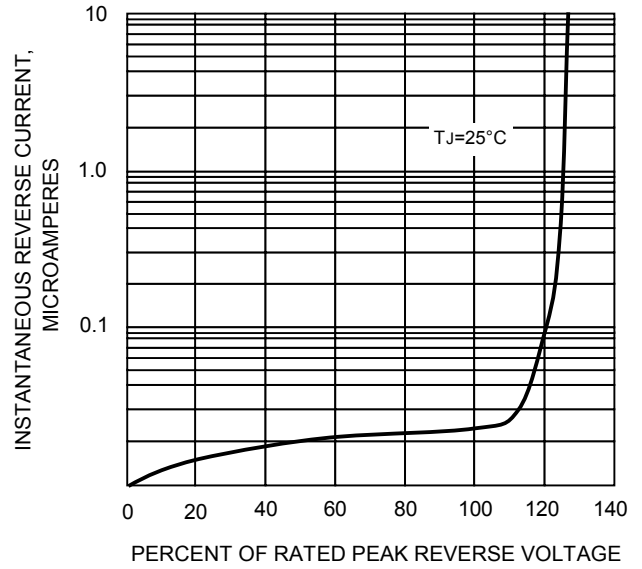


FIG.3-MAXIMUM FORWARD SURGE CURRENT

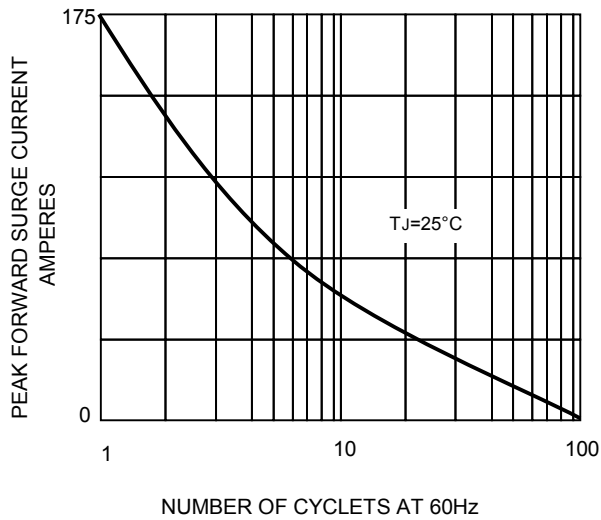


FIG.4-TYPICAL INSTANTANEOUS
 FORWARD CHARACTERISTICS

