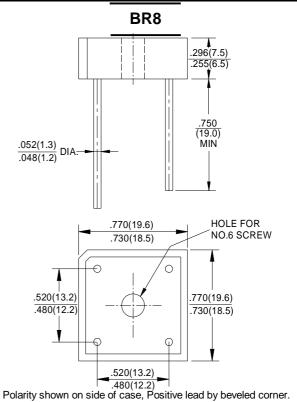


## SILICON BRIDGE RECTIFIERS

**REVERSE VOLTAGE** FORWARD CURRENT 50 to 1000 Volts 8.0 Amperes

## **FEATURES**

- Surge overload rating -200 amperes peak
- Low forward voltage drop
- Small size; simple installation
- Sliver plated copper leads
- Mounting position: Any



Dimensions in inches and (milimeters)

## 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, denate current by 20%

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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	30	70	140	280	420	560	700	V
Maximum Average Forward Tc=100°C (Note1)  Rectified Output Current at Ta=40°C (Note2)	I(AV)	8.0 3.0							А
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	200							А
Maximum Forward Voltage Drop Per Bridge Element at 4.0A Peak	VF	1.0							V
Maximum Reverse Current at Rated TA=25℃  DC Blocking Voltage Per Element TA=100℃	lR	10.0 1.0							uA mA
Operating Temperature Range	TJ	-55 to +125							℃
Storage Temperature Range	Тѕтѕ	-55 to +125							$^{\circ}$ C

Notes:1.Unit mounted on metal chassis

2. Unit mounted on P.C. board



FIG.1-DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

AMPERED

AMPER

TEMPERATURE, °C

