

BR10 ...BR1010

10A SINGLE - PHASE SILICON BRIDGE

Features

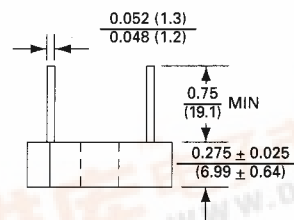
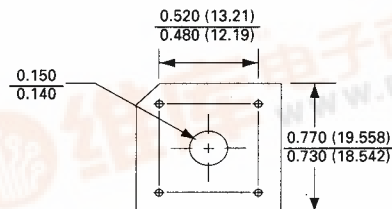
- Surge overload rating - 200 amperes peak
- Low forward voltage drop
- Small size; simple installation
- Silver Plated Copper leads
- Mounting Position: Any
- Ceramic case

VOLTAGE RANGE

50 to 1000 Volts PRV

CURRENT

10 Amperes



Polarity shown on side of case;
positive lead by beveled corner.

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

For capacitive load, derate current by 20%.

	BR1005	BR101	BR102	BR104	BR106	BR108	BR1010	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Max RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
Maximum Average Forward Rectified Output Current at a	10.0 6.0 6.0							A
								A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load	200							A
Maximum Forward Voltage Drop per element at 5.0A Peak	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage per element	10.0 1.0							μA mA
Operating Temperature Range T _C	-55 to + 125							°C
Storage Temperature Range T _A	-55 to + 150							°C

NOTES: * Unit mounted on metal chassis

** Unit mounted on P.C. board

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RATING AND CHARACTERISTICS CURVES

BR10 SERIES

FIG. 1-MAXIMUM FORWARD SURGE CURRENT

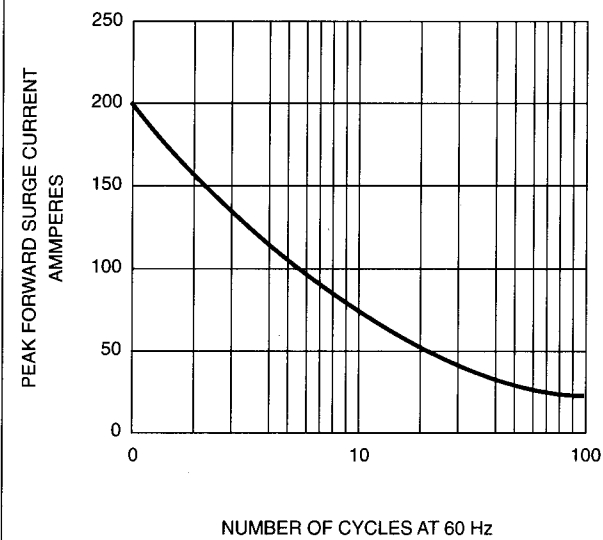


FIG. 2-DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

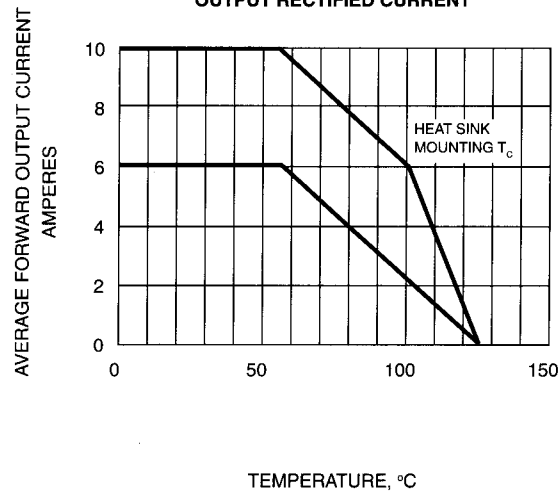


FIG. 3-TYPICAL FORWARD
CHARACTERISTICS

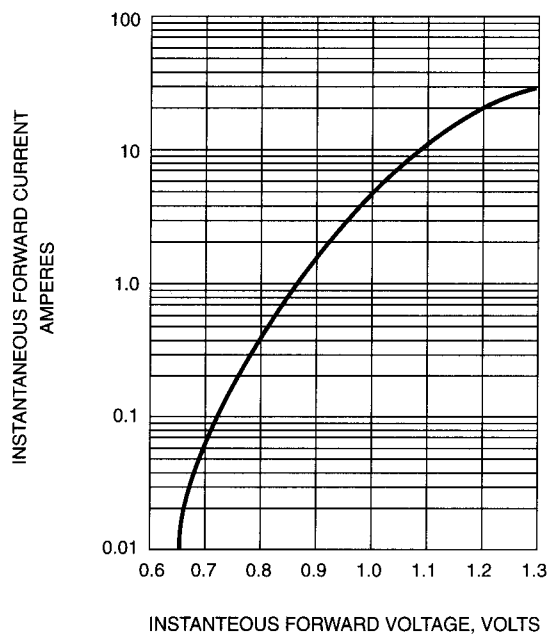


FIG. 4-TYPICAL REVERSE
CHARACTERISTICS

