

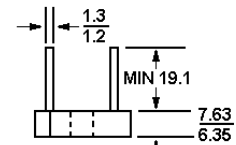
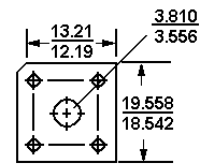
BR10 THRU BR1010

10A SINGLE-PHASE SILICON BRIDGE RECTIFIERS

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 mm

Absolute Maximum Ratings and Characteristics

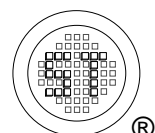
Rating at 25°C ambient temperature unless otherwise specified. For capacitive load, derate current by 20%.

	BR1005	BR101	BR102	BR104	BR106	BR108	BR1010	Units
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum Average Forward Rectified Output Current at $T_C = 50^\circ\text{C}$	10							A
$T_C = 100^\circ\text{C}^*$	6							A
$T_A = 50^\circ\text{C}^{**}$	6							A
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load	200							A
Maximum Forward Voltage Drop per element at 5A Peak	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage per element $T_A = 25^\circ\text{C}$	10							uA
$T_A = 100^\circ\text{C}$	1							mA
Operating Temperature Range T_J	-55 to +125							$^\circ\text{C}$
Storage Temperature Range T_{Stg}	-55 to +125							$^\circ\text{C}$

Notes:

* Unit mounted on metal chassis

** Unit mounted on P.C. board



Dated : 11/11/2002

RATINGS AND CHARACTERISTIC CURVES (BR10 SERIES)

FIG.1-MAXIMUM FORWARD SURGE CURRENT

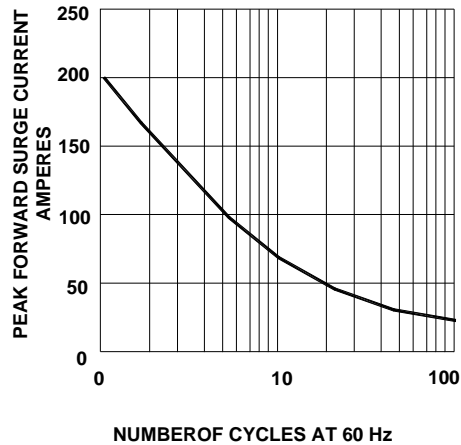


FIG.2-DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

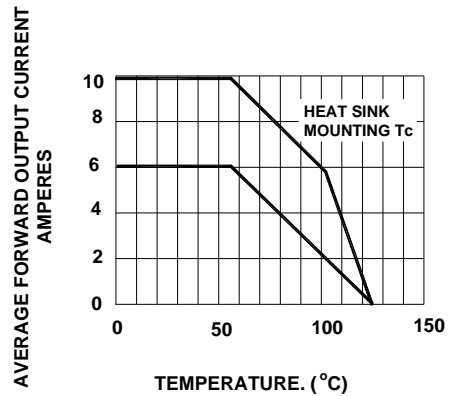


FIG.3-TYPICAL FORWARD CHARACTERISTICS

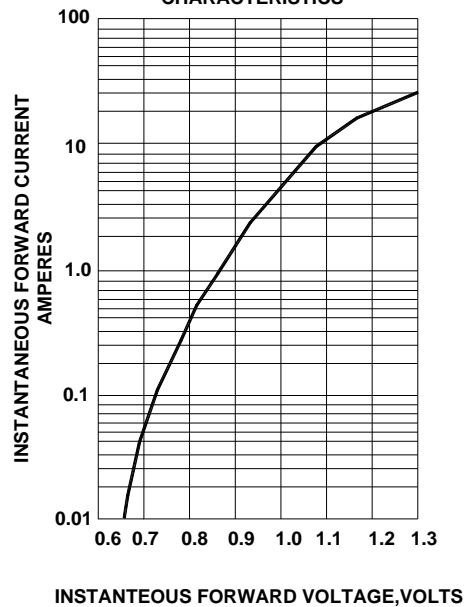


FIG.4-TYPICAL REVERSE CHARACTERISTICS

