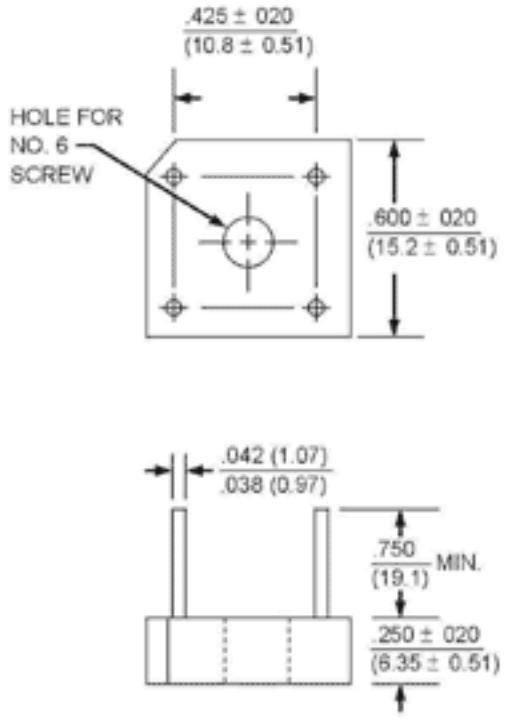
KBPC6/BR6 SERIES

SILICON BRIDGE RECTIFIERS

REVERSE VOLTAGE - **50** to **1000** Volts
FORWARD CURRENT - **6.0** Amperes

FEATURES

- Surge overload rating - 150 amperes peak
- Low forward voltage drop
- Small size; simple installation
- Sliver Plated Copper Leads
- Mounting Position: Any



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.
Single phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%

CHARACTERISTICS	BR605 KBPC 6005	BR61 KBPC 601	BR62 KBPC 602	BR64 KBPC 604	BR66 KBPC 606	BR68 KBPC 608	BR610 KBPC 610	UNIT
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
Maximum Average Forward Rectified Output Current at T_C=100°C (Note 1) T_A=50°C (Note 2)	6.0 3.0							A
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load	150							A
Maximum Forward Voltage Drop per Bridge Element at 3.0A Peak	1.0							V
Maximum Reverse Current at Rated T_A= 25°C DC Blocking Voltage per Element T_A=100°C	10.0 1.0							µA mA
Operating Temperature Range T_C	-40 to +125							°C
Storage Temperature Range T_A	-40 to +125							°C

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