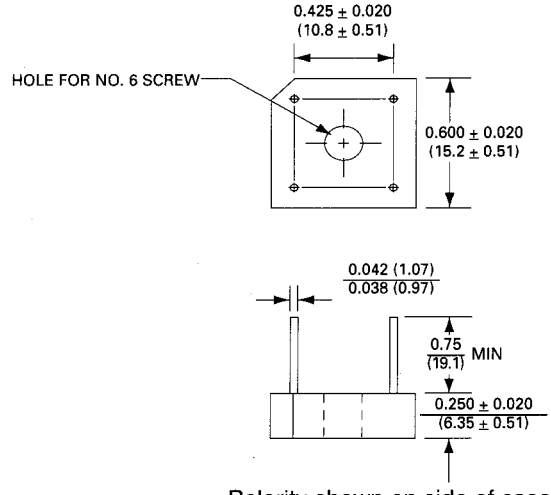
KBPC6 ...KBPC610
6.0A SINGLE - PHASE SILICON BRIDGE

Features

- Surge overload rating - 150 amperes peak
- Low forward voltage drop
- Small size; simple installation
- Silver Plated Copper leads
- Mounting Position: Any
- U/L recognized file # 142814

VOLTAGE RANGE
50 to 1000 Volts PRV
CURRENT
6 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.
Single phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

	KBPC6005	KBPC601	KBPC602	KBPC604	KBPC606	KBPC608	KBPC610	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 Currentat a T_C = 100 °C *	6.0							A
T_A = 25 °C**	3.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load	150							A
Maximum Forward Voltage Drop per element at 3.0A Peak	1.0							V
Maximum Reverse Current at Rated T_A = 25 °C	10.0							µA
DC Blocking Voltage per element T_A = 100 °C	1.0							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

KBPC6 ...KBPC610
6.0A SINGLE - PHASE SILICON BRIDGE

RATING AND CHARACTERISTICS CURVES
KBPC6 SERIES

FIG. 1-DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

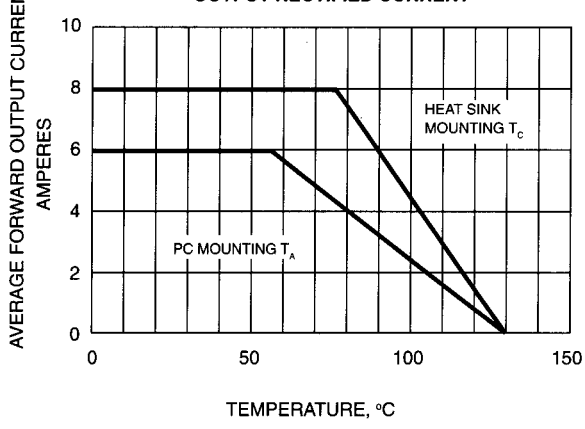


FIG. 2-TYPICAL REVERSE CHARACTERISTICS

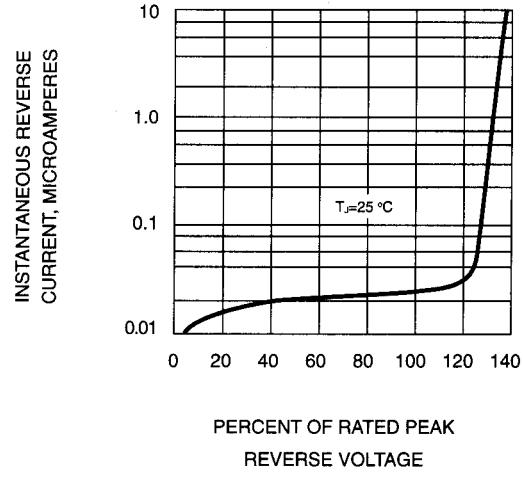


FIG. 3-MAXIMUM FORWARD SURGE CURRENT

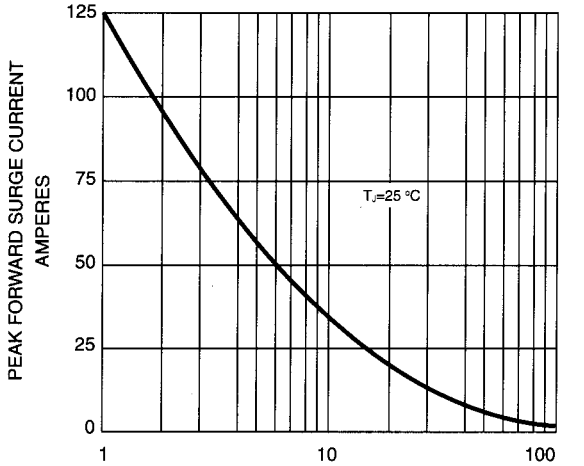


FIG. 4-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

