

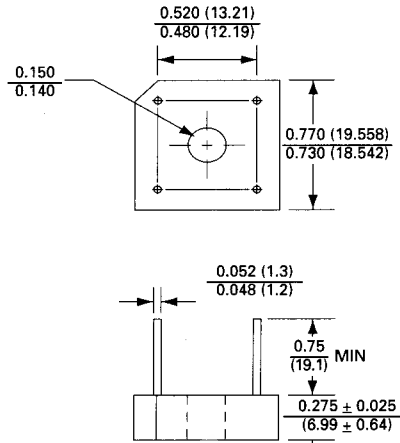
KBPC8 ...KBPC810

8.0A SINGLE - PHASE SILICON BRIDGE

Features

- Surge overload rating - 125 Amperes peak
- Low forward voltage drop
- Mounting Position: Any
- Small size; simple installation
- Silver Plated Copper leads
- Ceramic case on BR8 series
- U/L recognized file # 142814

VOLTAGE RANGE
50V to 1000 Volts PRV
CURRENT
8 Amperes



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

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

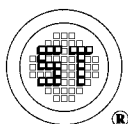
Rating at 25 °C ambient temperature unless otherwise specified.

For capacitive load, derate current by 20%.

	KBPC8005	KBPC801	KBPC802	KBPC804	KBPC806	KBPC808	KBPC810	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 $T_C = 100\text{ }^\circ\text{C}^*$ $T_A = 40\text{ }^\circ\text{C}^{**}$				8.0				A A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load				125				A
Maximum Forward Voltage Drop per Bridge element at 4.0A Peak				1.1				V
Maximum Reverse Current at Rated DC Blocking Voltage per element $T_A = 25\text{ }^\circ\text{C}$ $T_A = 100\text{ }^\circ\text{C}$				10.0				μA mA
Operating Temperature Range T_C				-55 to +125				$^\circ\text{C}$
Storage Temperature Range T_A				-55 to +150				$^\circ\text{C}$

NOTES: * Unit mounted on metal chassis

** Unit mounted on P.C. board



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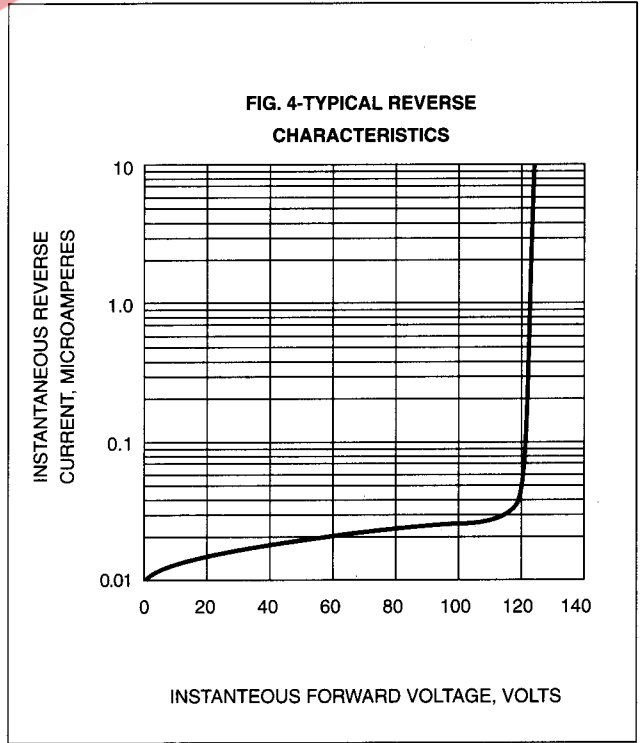
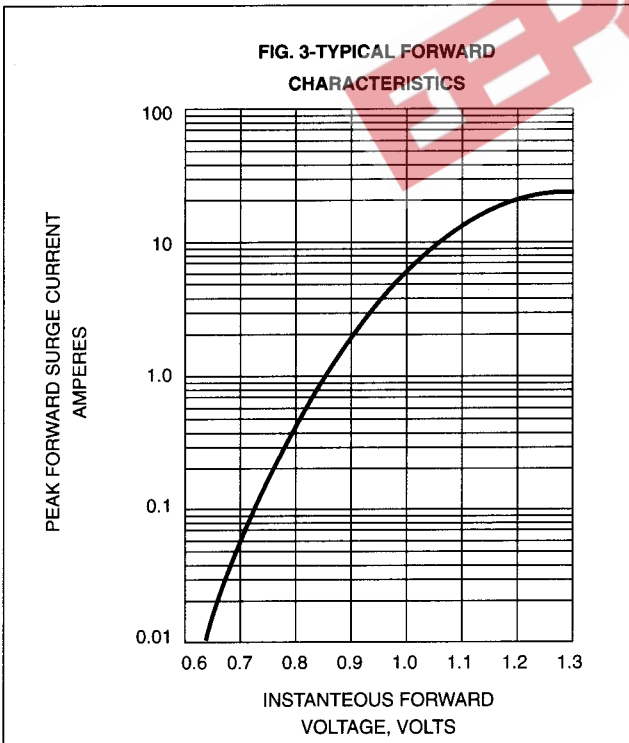
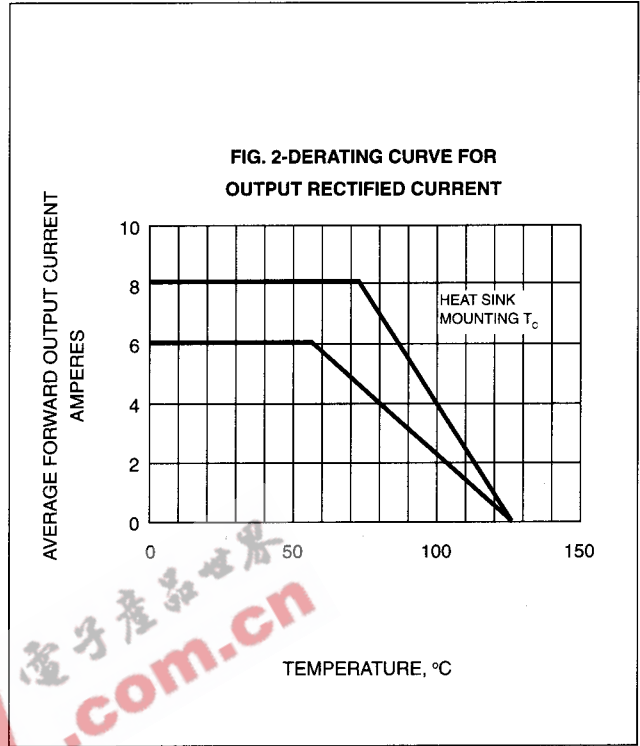
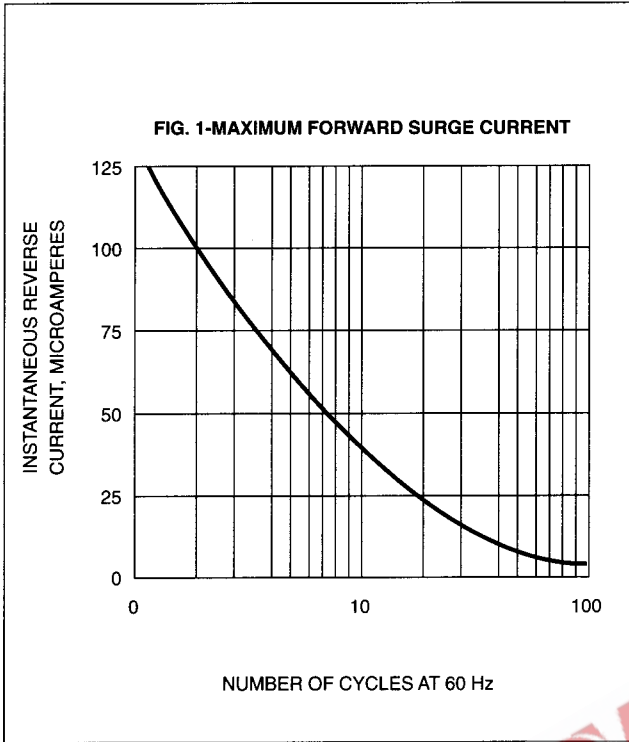


KBPC8 ...KBPC810

8.0A SINGLE - PHASE SILICON BRIDGE

RATING AND CHARACTERISTICS CURVES

KBPC8 SERIES



SEMTECH ELECTRONICS LTD.

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