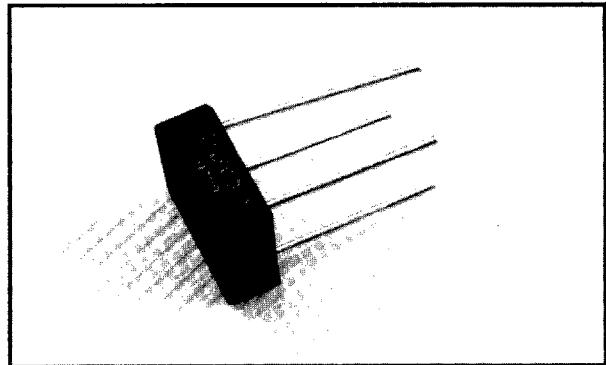
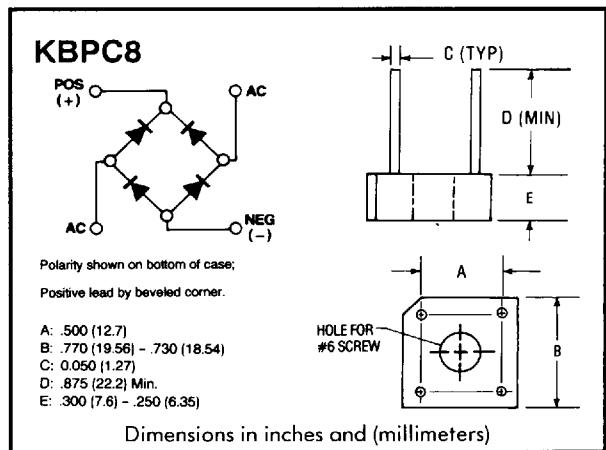


KBPC8005 Thru KBPC810

8 AMP SILICON BRIDGE RECTIFIER



Outline Drawing



FEATURES

- Rating to 1000V PRV
- Ideal for printed circuit board
- Surge overload rating to 125 Amperes peak
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- UL recognized: File #E106441
- UL recognized 94V-O plastic material

Mechanical Data

- Case: Molded Plastic
- Leads: Silver plated copper
- Lead solderable per MIL-STD-202, Method 208
- Mounting through hole for #6 screw mounting
- Weight: 0.18 ounce, 5.4 grams

Maximum Ratings & Characteristics

- Ratings at 25° C ambient temperature unless otherwise specified
- Single phase, half wave, 60Hz, resistive or inductive load
- For capacitive load, derate current by 20%

		KBPC8005	KBPC801	KBPC802	KBPC804	KBPC806	KBPC808	KBPC810	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	60	100	200	400	600	800	1000	V
Maximum Average Forward Output Current @ TC = 50°C*	I _(AV)				8.0				A
Output Current @ TA = 50°C**					6.0				
Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave Superimposed On Rated Load	I _{FSM}				125				A
Maximum DC Forward Voltage Drop per Element At 4.0A DC	V _F				1.1				V
Maximum DC Reverse Current @ TA = 25°C	I _R				10				µA
DC Blocking Voltage per Element @ TA = 100°C					1				mA
I ² t Rating for Fusing (t < 8.3ms)	I ² t				64				A ² S
Typical Thermal Resistance	R _{THJC}				6				°C/W
Operating Temperature Range	T _J				-55 to +125				°C
Storage Temperature Range	T _{STG}				-55 to +150				°C

Note: * Unit mounted on metal chassis

** Unit mounted on P.C. board