

VOLTAGE RANGE

50 to 1000 Volts

CURRENT

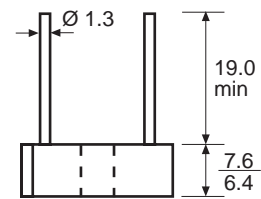
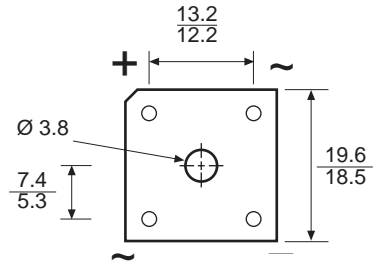
8.0 Amperes

FEATURES

- Plastic material has Underwriters Laboratory flammability classification 94V-0.
- Low leakage.
- Surge overload rating - 125 amperes peak.
- Ideal for printed circuit boards.
- Exceeds environmental standards of
- MIL-STD-19500.

MECHANICAL DATA

- Case** : Reliable low cost construction utilizing moulded plastic technique results in inexpensive product.
- Terminals**: Leads, solderable per MIL-STD-202, Method 208.
- Polarity** : Polarity symbols printed on body.
- Weight** : 0.18 ounce, 5.4 grams.



Dimensions in millimetres

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

		KBPC8005	KBPC801	KBPC802	KBPC804	KBPC806	KBPC808	KBPC810	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum Bridge Input Voltage RMS	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Current at (see Fig 2)	T _C = 50°C* T _A = 50°C** I _{F(AV)}					8.0 6.0			A
Peak Forward Surge Current, 8.3 ms single half sine - wave superimposed on rated load (see Fig 1)	I _{FSM}					125			A
Maximum Forward Voltage Drop per Element at 4.0A DC (see Fig 3)	V _F					1.1			V
Maximum Reverse Current at Rated DC Blocking Voltage per Element (see Fig 4)	T _A = 25°C T _A = 100°C I _R					10.0 1.0			μA mA
Operating Temperature Range	T _J					- 55 to + 125			°C
Storage Temperature Range	T _{STG}					- 55 to + 150			°C

Notes * Unit mounted on metal heatsink.
** Unit mounted on P.C board.

RATING AND CHARACTERISTIC CURVES KBPC800 SERIES

FIG 1 : MAXIMUM NON-REPETITIVE SURGE CURRENT PER ELEMENT

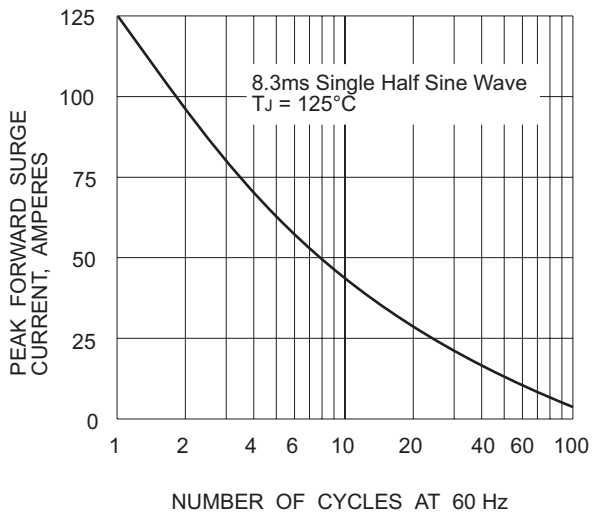


FIG 2 : DERATING CURVE FOR RECTIFIED OUTPUT CURRENT

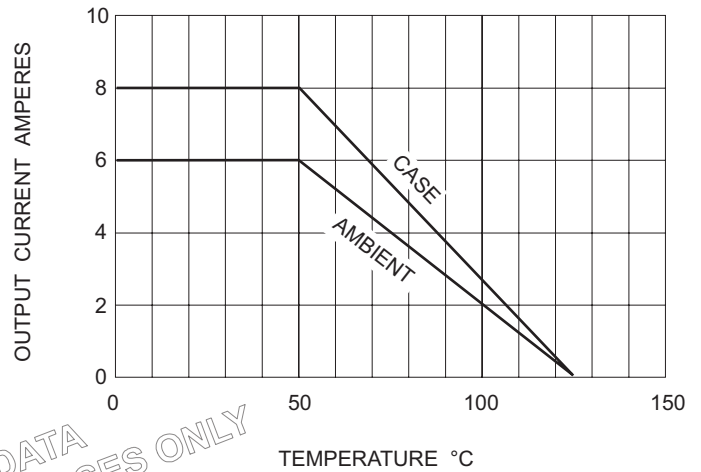


FIG 3 : TYPICAL FORWARD CHARACTERISTICS PER ELEMENT

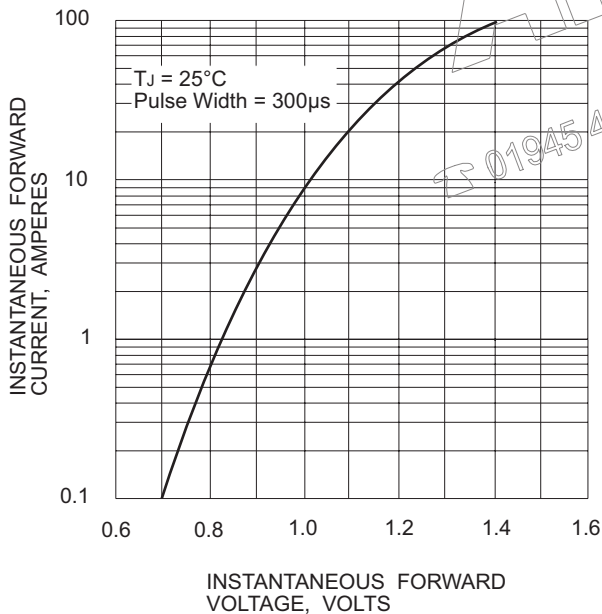
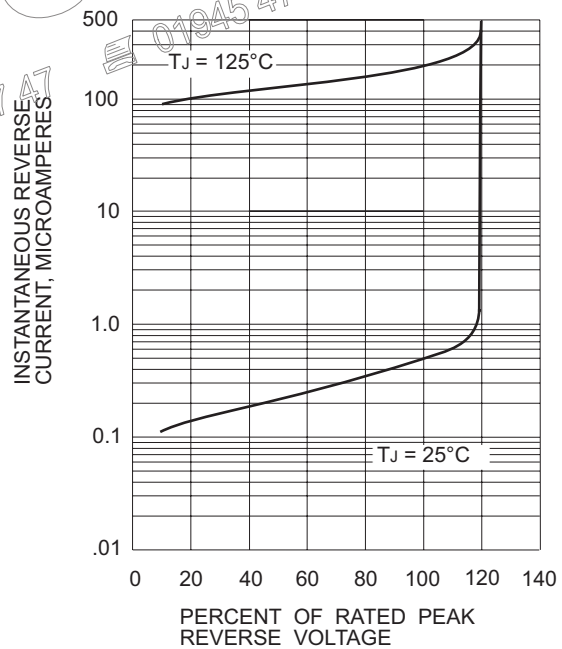


FIG 4 : TYPICAL REVERSE CHARACTERISTICS PER ELEMENT



TECHNICAL DATA
FOR REFERENCE PURPOSES ONLY

Anglia

01945 47 48 49