

FEATURES

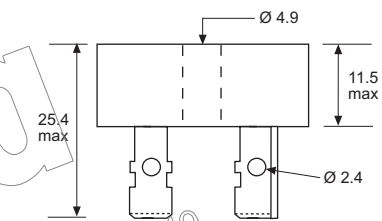
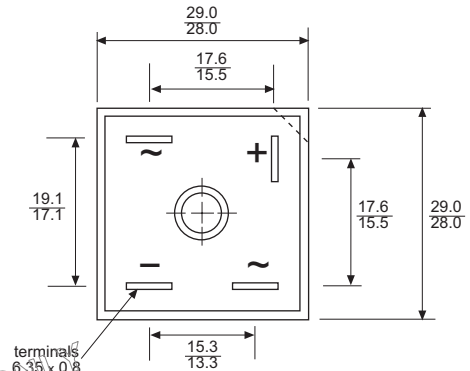
- High efficiency
- Surge overload rating - 300 amperes peak
- Body clad with metal (electrically isolated) or plastic
- Plastic encapsulation has Underwriters
- Laboratory flammability classification 94V-0
- Universal multipurpose terminals

MECHANICAL DATA

- Case** : Metal or Plastic shell with plastic encapsulation
- Terminals** : 1/4inch, 6.35mm Faston blades *
- Polarity** : Positive symbol printed on body
- Weight** : 1.1 ounce, 31.6 grams

VOLTAGE RANGE
50 to 1000 Volts PRV

CURRENT
15 Amperes



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%.

	Metal Case	KBPC15005	KBPC1501	KBPC1502	KBPC1504	KBPC1506	KBPC1508	KBPC1510		
		Plastic Case	BR1505	BR151	BR152	BR154	BR156	BR158		BR1510
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 T _c = 55°C (see Fig 2)	I _{F(AV)}	15.0								A
Peak Forward Surge Current, 8.3 ms single half sine - wave superimposed on rated load (see Fig 1)	I _{FSM}	300								A
Maximum Forward Voltage Drop per Element at 7.5A (see Fig 3)	V _F	1.2								V
Maximum Reverse Current at Rated DC Blocking Voltage per Element (see Fig 4)	I _R	10.0 1.0								µA mA
RMS Isolation Voltage from Case to Terminals	V _{ISO}	2500								V
Operating Temperature Range	T _J	- 55 to + 125								°C
Storage Temperature Range	T _{STG}	- 55 to + 150								°C

* Lead out wires can be supplied as an alternative to blades - add suffix W to part number e.g. KBPC1506W

RATING AND CHARACTERISTIC CURVES KBPC1500/BR150 SERIES

FIG 1 : MAXIMUM NON-REPETITIVE SURGE CURRENT PER ELEMENT

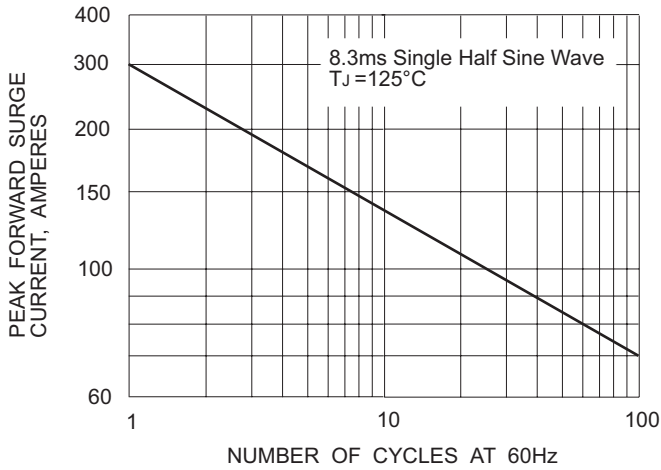


FIG 2 : DERATING CURVE FOR RECTIFIED OUTPUT CURRENT

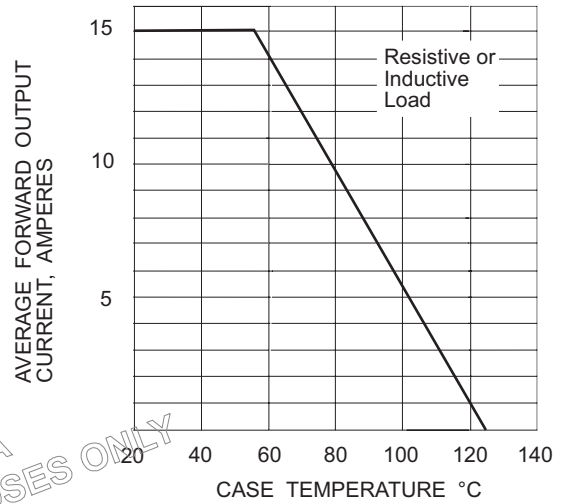


FIG 3 : TYPICAL FORWARD CHARACTERISTICS PER ELEMENT

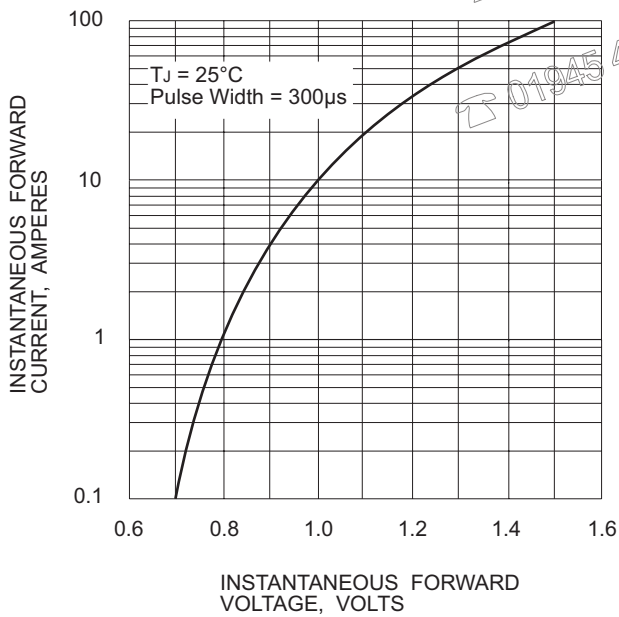


FIG 4 : TYPICAL REVERSE CHARACTERISTICS PER ELEMENT

