

FEATURES

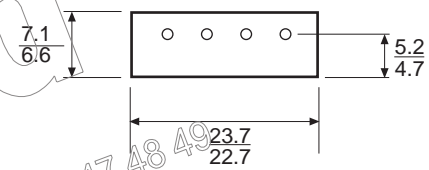
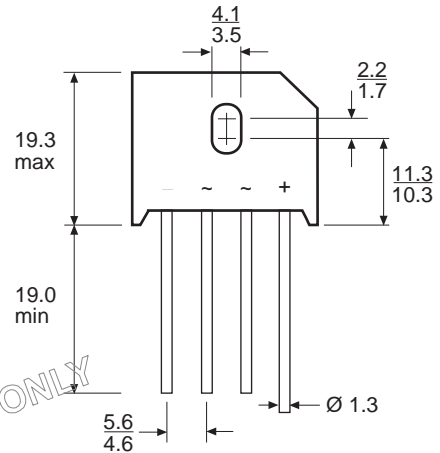
- Plastic package has Underwriters Laboratory flammability classification 94V-0
- Low leakage.
- Surge overload rating - 150 amperes peak.
- Ideal for printed circuit boards.
- Exceeds environmental standards of MIL - STD - 19500.

MECHANICAL DATA

- Case** : Reliable low cost construction utilizing moulded plastic technique results in an inexpensive product.
- Terminals:** Leads, solderable per MIL - STD - 202, Method 208.
- Polarity** : Polarity symbols printed on body.
- Weight** : 0.3 ounce, 8.0 grams

VOLTAGE RANGE
50 to 1000 Volts PRV

CURRENT
4.0 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%.

		KBU4A	KBU4B	KBU4D	KBU4G	KBU4J	KBU4K	KBU4M		
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V	
Maximum Bridge Input Voltage RMS	VRMS	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V	
Maximum Average Forward Current at TA = 65 °C * / TC = 100 °C ** (see Fig 2)	IF(AV)	4.0								A
Peak Forward Surge Current, 8.3 ms single half sine - wave superimposed on rated load (see Fig 1)	IFSM	150								A
Maximum Forward Voltage Drop per Element at 2.0A (see Fig 3)	VF	1.0								V
Maximum Reverse Current at Rated DC Blocking Voltage per Element (see Fig 4)	IR	10.0 1.0								μ A mA
Operating Temperature Range	TJ	- 55 to + 125								°C
Storage Temperature Range	TSTG	- 55 to + 150								°C

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

RATING AND CHARACTERISTIC CURVES KBU4 SERIES

FIG 1 : MAXIMUM NON-REPETITIVE SURGE CURRENT PER ELEMENT

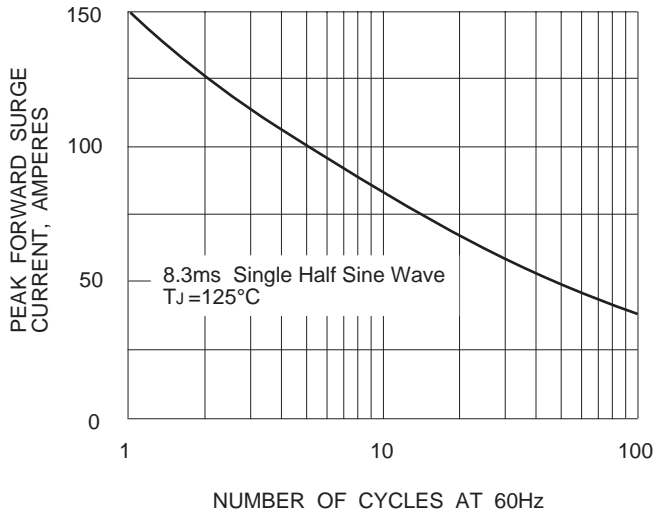


FIG 2 : DERATING CURVE FOR RECTIFIED OUTPUT CURRENT

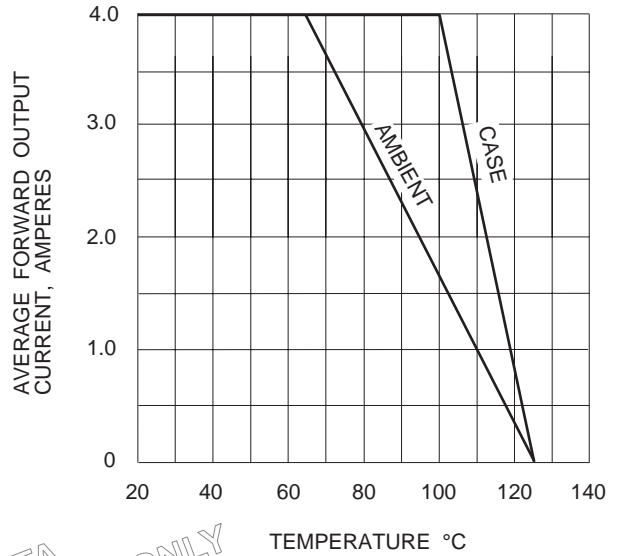


FIG 3 : TYPICAL FORWARD CHARACTERISTICS PER ELEMENT

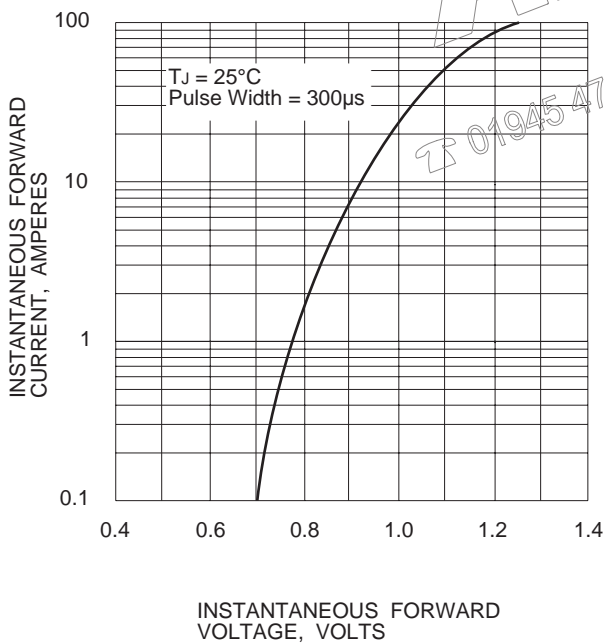
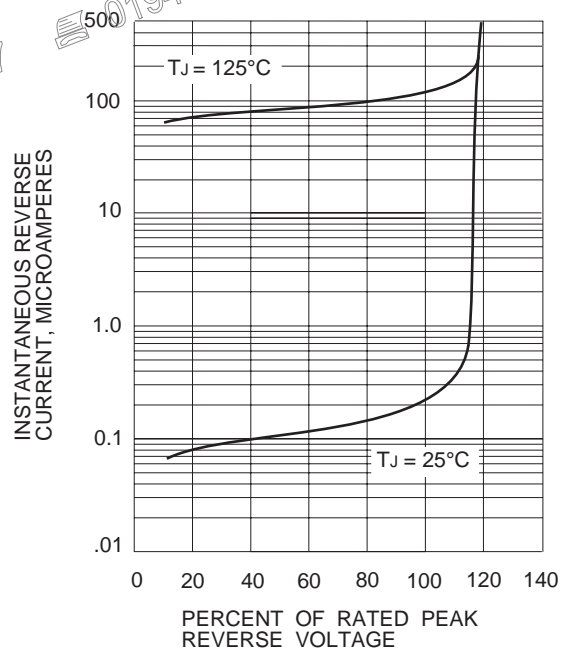


FIG 4 : TYPICAL REVERSE CHARACTERISTICS PER ELEMENT



TECHNICAL DATA
FOR REFERENCE PURPOSES ONLY

Anglia