

FEATURES

- Plastic package has Underwriters Laboratory flammability classification 94V-0
- Low leakage.
- Surge overload rating - 200 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.

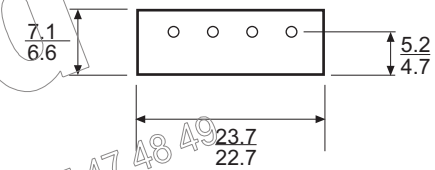
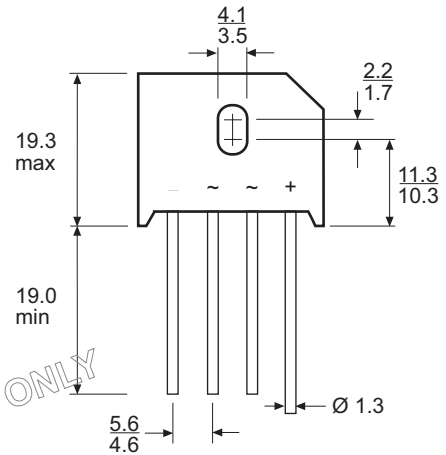
Weight : 0.3 ounce, 8.0 grams.

VOLTAGE RANGE

50 to 1000 Volts PRV

CURRENT

6.0 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%.

		KBU6A	KBU6B	KBU6D	KBU6G	KBU6J	KBU6K	KBU6M	
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)	6.0							A
Peak Forward Surge Current, 8.3 ms single half sine - wave superimposed on rated load (see Fig 1)	IFSM	200							A
Maximum Forward Voltage Drop per Element at 3.0A (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 KBU6 SERIES

FIG 1 : MAXIMUM NON-REPETITIVE SURGE CURRENT PER ELEMENT

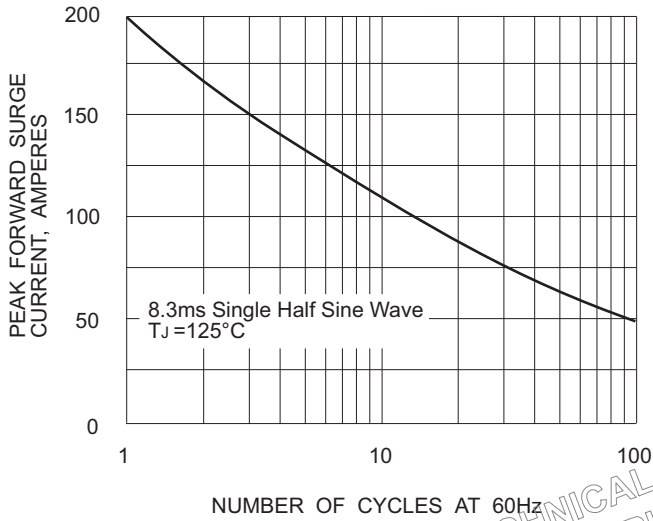


FIG 2 : DERATING CURVE FOR RECTIFIED OUTPUT CURRENT

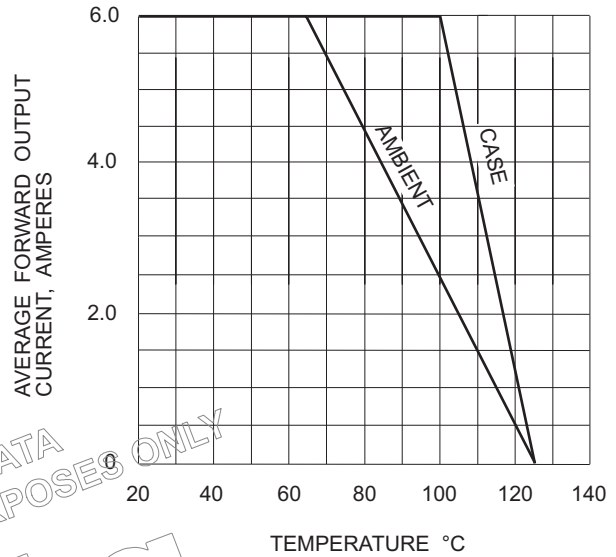


FIG 3 : TYPICAL FORWARD CHARACTERISTICS PER ELEMENT

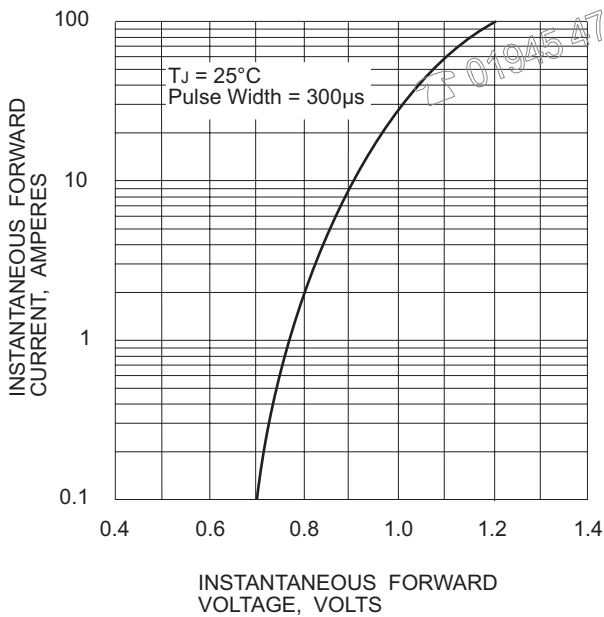


FIG 4 : TYPICAL REVERSE CHARACTERISTICS PER ELEMENT

