Kingtronics[®]

KBU8005 THUR KBU810

FEATURE

High forward surge current capability

Ideal for printed circult board

High temperature soldering guaranteed:

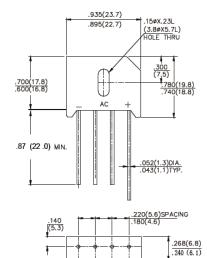
260°C/10 second, 0.375" (9.5mm) lead length at 5 lbs. (2.3kg) tension.

MECHANICAL DATA

Case: Transfer molded plastic Terminal: Lead solderable per MIL - STD - 202E method 208C Polarity: Polarity symbols marked on case. Mounting: Thru hole for #6 screw, 5 in,- lbs. Torqute Max. Weight: 0.27 ounce, 7.59 gram

CURRENT 8 .0 Ampere VOLTAGE RANGE 50 to 1000





MAXIMUM RATINGS AND ELECTRICAL 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%

Type Number	Symbols	KBU 8005	KBU 801	KBU8 02	KBU 804	KBU 806	KBU 808	KBU 810	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current at TA = 100°C	I(AV)	I(AV) 8.0							
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	Ifsm	IFSM 175							
Rating for Fusing (t<8.3ms)	l ² t	² t 93							
Maximum instantaneous forward voltage Drop per bridge element at 4.0A	VF	/F 1.0							
Maximum DC reverse current Ta=25 ^o C			5.0						uA
at rated DC blocking voltage Ta=100 $^{\circ}$ C	lr		1.0						mA
Typical junction capacitance at (Note 1)	CJ	105							pF
Typical Thermal Resistance (Note 2)	$R_{\theta JA}$	4.7							°C/W
Operating temperature range	TJ	(-65 to +150)							°C
Storage Temperature Range	Тѕтс	(-65 to +150)							°C

Trimming Potentiometers • Bridge Rectifiers • Diodes & Transistors • Surge Arresters • OSC & Quartz Crystals • MLCC & Tantalum Capacitors



Notes: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts.

2. Unit mounted on 2.6" X 1.4" X 0.06" thick (6.3 X 3.5 X 0.15cm) Al. plate.

RATING AND CHARACTERISTIC CURVES

