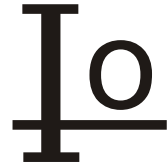
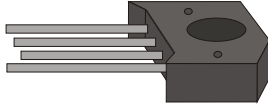


KBU8005 THRU KBU810



SINGLE PHASE 8.0 AMP BRIDGE RECTIFIERS



FEATURES

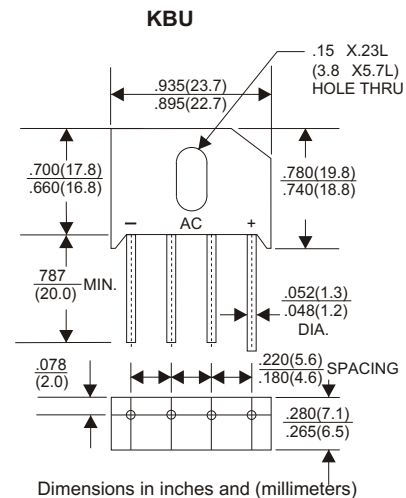
- * Ideal for printed circuit board
- * Low forward voltage
- * Low leakage current
- * Polarity: marked on body
- * Mounting position: Any
- * Lead Free Finish/RoHS Compliant

VOLTAGE RANGE

50 to 1000 Volts

CURRENT

8.0 Ampere



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 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	KBU8005	KBU801	KBU802	KBU804	KBU806	KBU808	KBU810	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current T _C =90°C .375"(9.5mm) Lead Length At T _A =40°C	8.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	6.0							A
Maximum Forward Voltage Drop per Bridge Element at 4.0A D.C.	1.1							V
Maximum DC Reverse Current T _a =25°C	10							uA
at Rated DC Blocking Voltage T _a =100°C	500							uA
Operating Temperature Range, T _j	-65 — +150							°C
Storage Temperature Range, TSTG	-65 — +150							°C

NOTE:

- (1) Recommended mounted position is to bolt down on heatsink with silicone thermal compound for maximum heat transfer with #6screw.
- (2) Unites mounted in free air, no heatsink, P.C.B. 0.375"(9.5mm) lead length with 0.5*0.5"(12*12mm) coper pads
- (3) Unites mounted on a 3.0*3.0*0.11"(7.5*7.5*0.3cm)AL .plate heatsink

RATING AND CHARACTERISTIC CURVES (KBU8005 THRU KBU810)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

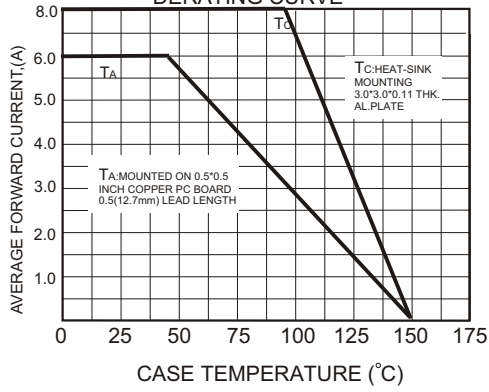


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

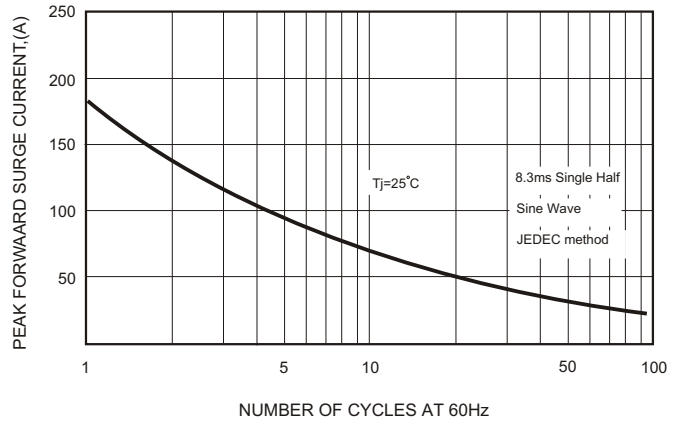


FIG.3-TYPICAL FORWARD CHARACTERISTICS

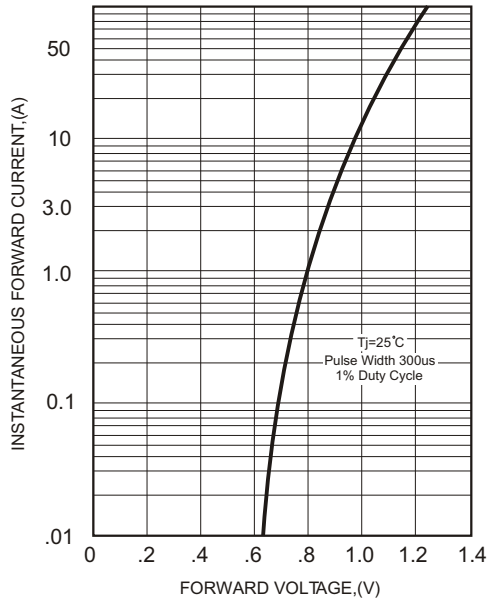


FIG.4-TYPICAL REVERSE CHARACTERISTICS

