

646-82970854

KBU1001 THRU KBU1007

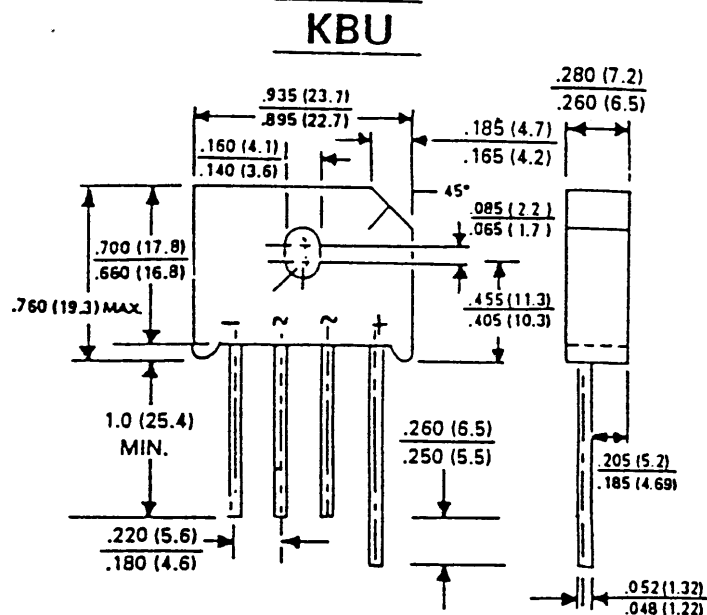
SINGLE PHASE 10 AMPS SILICON BRIDGE RECTIFIERS



FEATURES

- * High Surge Current Capability
- * Ideal for printed circuit board
- * Reliable low cost construction technique results in inexpensive product
- * High temperature soldering guaranteed: 250°C/10 seconds/.375", (9.5mm) lead lengths at 5 lbs., (2.3kg) tension
- * Weight: 1.07 grams

VOLTAGE RANGE
50 to 1000 Volts
CURRENT
10.0 Amperes



All dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 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%

TYPE NUMBER	KBU 1001	KBU 1002	KBU 1003	KBU 1004	KBU 1005	KBU 1006	KBU 1007	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input 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 _A =55°C	4.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	200							A
Maximum Forward Voltage Drop Per Element @5.0A	1.1							V
Maximum Reverse Current at Rated @ T _A =25°C	10							µA
D.C Blocking Voltage per element @ T _A =100°C	500							µA
Operating Temperature Range T _j	-55 to +125							°C
Storage Temperature Range T _{stg}	-55 to +150							°C

NOTES: * Special Silicon Bridge Rectifier are also Available.