

KBU1001G THRU KBU1007G

Single Phase 10 AMPS. Glass Passivated Bridge Rectifiers

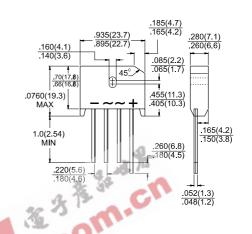


Voltage Range 50 to 1000 Volts Current 10.0 Amperes

KBU

Features

- ♦ UL Recognized File # E-96005
- ♦ Glass passivated junction
- Ideal for printed circuit board
- ♦ Reliable low cost construction
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Surge overload rating to 200 amperes peak
- High temperature soldering guaranteed: 250°C / 10 seconds / .375", (9.5mm) lead lengths at 5 lbs., (2.3kg) tension
- ♦ Weight: 0. 3 ounce, 8.0 grams
- ♦ Mounting torque: 5 in. lb. Max.



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 1001G	KBU 1002G	KBU 1003G	KBU 1004G	KBU 1005G	KBU 1006G	KBU 1007G	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 _A =45°C	10.0							Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	200							Α
Maximum Instantaneous Forward Voltage @ 10.0A	1.1							V
Maximum DC Reverse Current @ T _A =25℃	5.0							uA
at Rated DC Blocking Voltage @ T _A =125°C	500							uA
Typical Thermal Resistance (Note) RθJC	2.2							.C\M
Operating Temperature Range T _J	-55 to +150							ಭ
Storage Temperature Range T _{STG}	-55 to + 150							${\mathbb C}$

Note: Thermal Resistance from Junction to Case with Device Mounted on 100mm x 100mm x 1.6mm Cu Plate Heatsink.



