





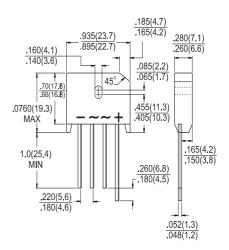
Features

- ♦ 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
- \diamond Surge overload rating to 150 amperes peak
- High temperature soldering guaranteed: 260°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. lbs. Max.

KBU401G - KBU407G

Single Phase 4.0 AMPS. Glass Passivated Bridge Rectifiers

<u>KBU</u>



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	Symbol	KBU	KBU	KBU	KBU	KBU	KBU	KBU	Units
	-	401G	402G	403G	404G	405G	406G	407G	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ $T_A = 50 ^{\circ}C$	I _(AV)	4.0							А
Peak Forward Surge Current, 8.3 ms Single Half Sne-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	150							A
Maximum Instantaneous Forward Voltage @ 2.0A @ 4.0A	V _F	1.0 1.1							V
Maximum DC Reverse Current @ T _A =25 °C at Rated DC Blocking Voltage @ T _A =125 °C	I _R	5.0 500						uA uA	
Typical thermal resistance (Note 1) (Note 2)	R _{θJA} R _{θJL}	19 4.0							°C/W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to + 150							°C

Notes: 1. Units Mounted on P.C.B. with 0.5" x 0.5" (12mm x 12mm) Copper Pads and 0.375" (9.5mm) Lead Length. 2. Units Mounted on a 2.0" x 3.0" x 0.25" Al. Plate.



RATINGS AND CHARACTERISTIC CURVES (KBU401G THRU KBU407G)

