

KBU401 THRU KBU407

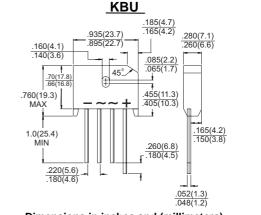
Single Phase 4.0 AMPS. Silicon Bridge Rectifiers



Voltage Range 50 to 1000 Volts Current 4.0 Amperes

Features

- ♦ UL Recognized File # E-96005
- High surge current capability
- ♦ Ideal for printed circuit board
- Reliable low cost construction technique results in inexpensive product
- → High temperature soldering guaranteed: 260°C / 10 seconds / 0.375" (9.5mm) lead length at 5 lbs., (2.3 kg) tension
- ♦ Weight: 8 grams



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%

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Type Number	Symbol	KBU 401	KBU 402	KBU 403	KBU 404	KBU 405	KBU 406	KBU 407	Units
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 $@T_A = 65^{\circ}C$	I _(AV)	4.0							Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	200							А
Maximum Instantaneous Forward Voltage @ 4.0A	V _F	1.0							V
Maximum DC Reverse Current @ T _A =25°C	1_	10							uA
at Rated DC Blocking Voltage @ T _A =100℃	I _R	500							uA
Typical Thermal Resistance (Note 1)	$R\theta_{JA}$	19 4.0							℃ /W
(Note 2)	$R\theta_{JL}$								
Operating Temperature Range	TJ	-55 to +125							Ç
Storage Temperature Range	T _{STG}	-55 to +150							C

Note: 1. Units Mounted on P.C.B. with 0.5 x 0.5" (12 x 12mm) Copper Pads and 0.375" (9.5mm) Lead Length.

2. Units Mounted on a 2.0 x 1.6 x 0.3" Thick (5 x 4 x 0.8cm) Al. Plate.



RATINGS AND CHARACTERISTIC CURVES (KBU401 THRU KBU407)

