

KBU801 - KBU807

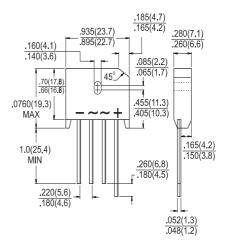


Single Phase 8.0 AMPS. Silicon Bridge Rectifiers **KBU**



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

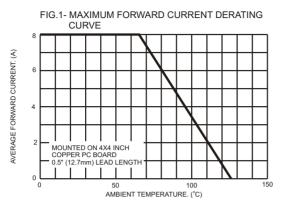
Rating at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%

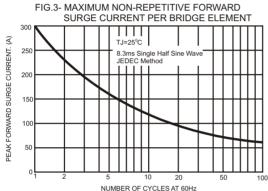
Type Number	Symbol	KBU	KBU	KBU	KBU	KBU	KBU	KBU	Units
		801	802	803	804	805	806	807	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current $@T_A = 65 ^{\circ}C$	I _(AV)	8.0							Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	300							А
Maximum Instantaneous Forward Voltage @ 4.0A @ 8.0A	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	10 500						uA uA	
Typical Thermal resistance (Note 1) (Note 2)	$R_{ heta JA} \ R_{ heta JC}$	18 3.0							°C/W
Operating Temperature Range	TJ	-55 to +125						°C	
Storage Temperature Range	T _{STG}	-55 to +150							°C

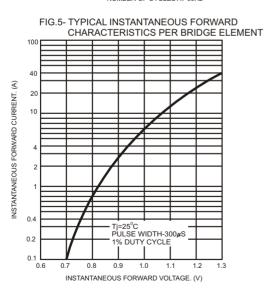
Note: Thermal Resistance from Junction to Ambient and Junction to Case with units Mounted on. 2" x 3" x 0.25 Al-Plate.

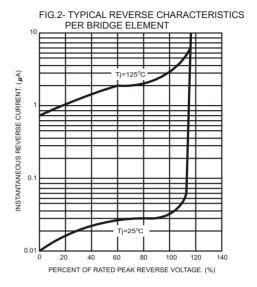


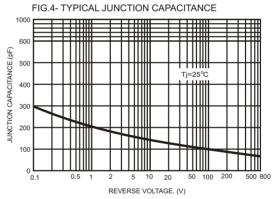
RATINGS AND CHARACTERISTIC CURVES (KBU801 THRU KBU807)











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