

KBU1001 - KBU1007

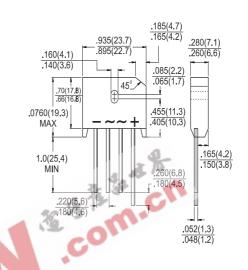


Single Phase 10 AMPS. Silicon Bridge Rectifiers
<u>KBU</u>



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)

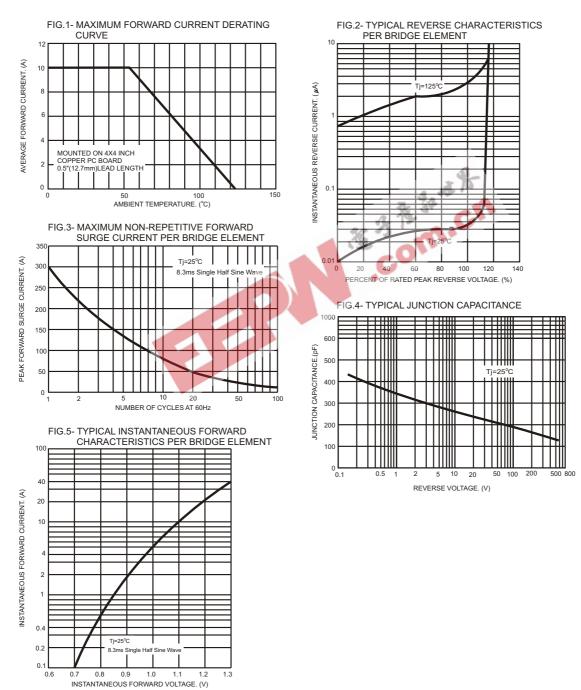
Maximum Ratings and Electrical Characteristics

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	Units
		1001	1002	1003	1004	1005	1006	1007	
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 @ $T_A = 55 ^{\circ}C$	I _(AV)	10							А
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)		300							А
Maximum Instantaneous Forward Voltage @ 5.0A @ 10A	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)	R _{θJC}	2.2							°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 Case with Device Mounted on 2" x 3" x 0.25" Al-Plate.





RATINGS AND CHARACTERISTIC CURVES (KBU1001 THRU KBU1007)