

RoHS

COMPLIANCE

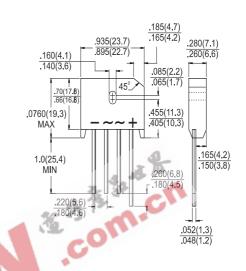
# KBU801 - KBU807





## 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)

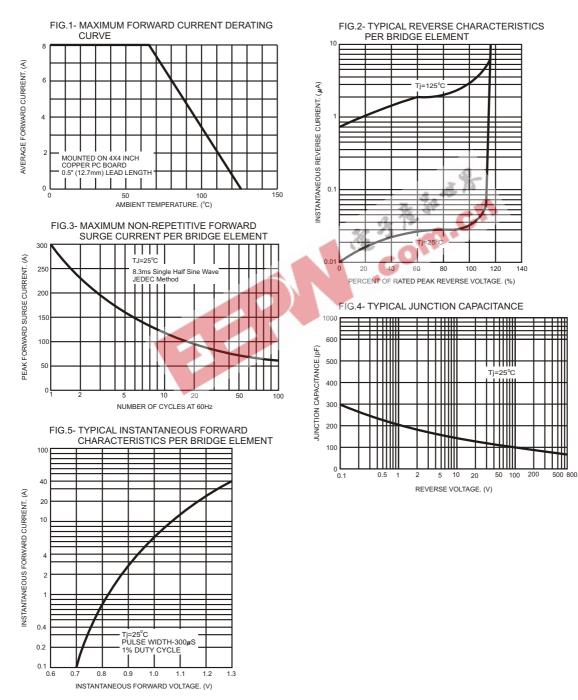
### **Maximum Ratings and Electrical Characteristics**

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 <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ $T_A = 65 ^{\circ}C$	I <sub>(AV)</sub>	8.0							А
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I <sub>FSM</sub>	300							A
Maximum Instantaneous Forward Voltage @ 4.0A @ 8.0A	V <sub>F</sub>	1.0 1.1							V
Maximum DC Reverse Current @ $T_A=25$ °C at Rated DC Blocking Voltage @ $T_A=125$ °C	I <sub>R</sub>	10 500						uA uA	
Typical Thermal resistance (Note 1) (Note 2)	R <sub>θJA</sub> R <sub>θJC</sub>	18 3.0							°C/W
Operating Temperature Range	TJ	-55 to +125						°C	
Storage Temperature Range	T <sub>STG</sub>	-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)