## **KBU6A THRU KBU6M**

# SINGLE PHASE SILICON BRIDGE RECTIFIER

VOLTAGE: 50 TO 1000V CURRENT: 6.0A



## **FEATURE**

Ideal for printed circuit board Surge overload rating:250 A peak High case dielectric strength

#### **MECHANICAL DATA**

Terminal: Plated leads solderable per

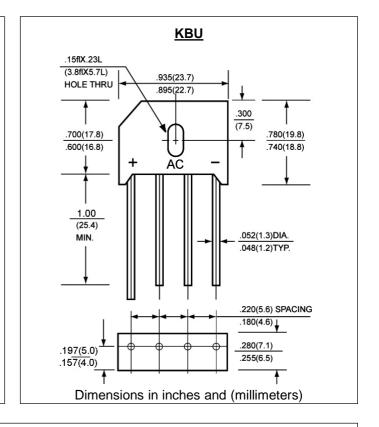
MIL-STD 202E, method 208C

Case: UL-94 Class V-0 recognized Flame

Retardant Epoxy

Polarity: Polarity symbol marked on body

Mounting position: any



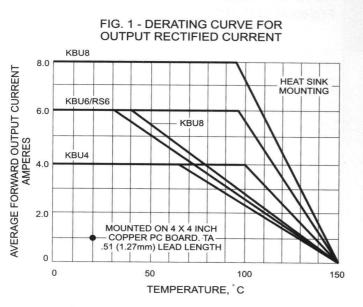
### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

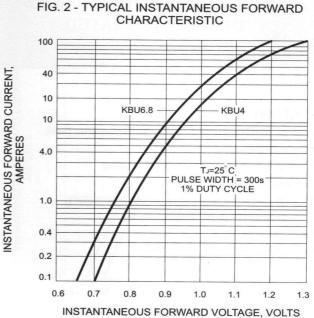
(single-phase, half -wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20%)

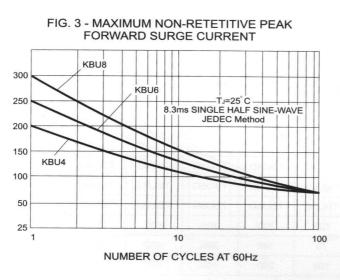
	SYMBOL	KBU	KBU	KBU	KBU	KBU	KBU	KBU	units
		6A	6B	6D	6G	6J	6K	6M	
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage	Vdc	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at Tc =40°C	If(av)	6.0							Α
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	250.0						Α	
Maximum Instantaneous Forward Voltage at forward current 3.0A DC	Vf	1.1							٧
Maximum DC Reverse Current Ta =25°C	Ir	10.0							μΑ
at rated DC blocking voltage Ta =100°C	"	500							μΑ
Operating Temperature Range	Tj	-55 to +150							°C
Storage and Operation Junction Temperature	Tstg	-55 to +150							°C

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#### RATINGS AND CHARACTERISTIC CURVES KBU6A THRU KBU6M







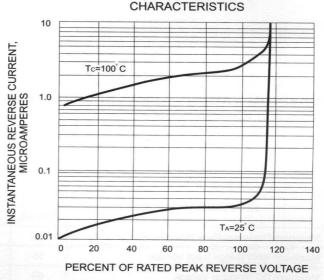


FIG. 4 - TYPICAL REVERSE

FIG. 5 - TYPICAL JUNCTION CAPACITANCE PER ELEMENT

