# SHANGHAI SUNRISE ELECTRONICS CO., LTD.

## KBU6A THRU KBU6M

SINGLE PHASE SILICON BRIDGE RECTIFIER TECHNICAL SPECIFICATION

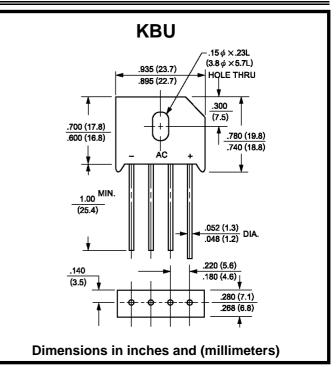
## VOLTAGE: 50 TO 1000V CURRENT: 6.0A

#### FEATURES

- Ideal for printed circuit board
- Surge overload rating: 250 A peak
- High case dielectric strength
- High temperature soldering guaranteed: 250°C/10sec/0.375"(9.5mm) lead length at 5 lbs tension

### **MECHANICAL DATA**

- Terminal: Plated leads solderable per MIL-STD 202E, method 208C
- Case: UL-94 Class V-O 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%)

RATINGS	SYMBOL	KBU 6A	KBU 6B	KBU 6D	KBU 6G	KBU 6J	KBU 6K	KBU 6M	UNITS
Maximum Repetitive 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 $(T_c=50^{\circ}C)$	I <sub>F(AV)</sub>	6.0							А
Peak Forward Surge Current (8.3ms single half sine-wave superimposed on rated load)	I <sub>FSM</sub>	250							А
Maximum Instantaneous Forward Voltage (at forward current 6.0A DC)	$V_{F}$	1.1							V
Maximum DC Reverse Current $T_a=25^{\circ}C$ (at rated DC blocking voltage) $T_a=100^{\circ}C$		10.0 500							μΑ μΑ
Storage and Operating Junction Temperature	$T_{STG}, T_J$	-55 to + 150						°C	

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