CE CHENYI ELECTRONICS

KBU6A THRU KBU6M

SINGLE PHASE GLASS BRIDGE RECTIFIER Voltage: 50 TO 1000V CURRENT:6.0A

KBU

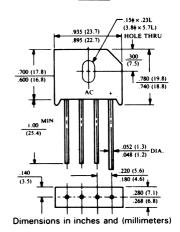
FEATURES

Surge overload rating: 250A 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 $^{o}\mathrm{C}$, unless otherwise stated,

for capacitive load, derate current by 20%)

	SYMBOL	KBU 6A	KBU 6B	KBU 6D	KBU 6G	KBU 6J	KBU 6K	KBU 6M	units
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 Ta=50 °C	lf(av)	6.0							А
Peak Forward Surge Current 8.3ms single									
half sine-wave superimposed on rated load	lfsm	250							А
Maximum Instantaneous Forward Voltage at									
forward current 6.0A DC	Vf	1.1							V
Maximum DC Reverse Voltage Ta=25 $^{\circ}C$		10.0							μA
at rated DC blocking voltage Ta=100 $^{\circ}\mathrm{C}$	lr	1.0							μΑ
Operating Temperature Range	Tj	-55 to +150							°C
Storage and operation Junction Temperature	Tstg			-5	55 to +150				°C

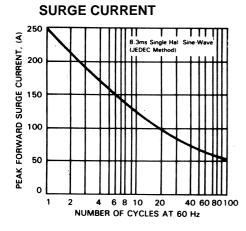


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RATINGS AND CHARACTERISTIC CURVES KBU6A THRU KBU6M

FIG.1-MAXIMUM NON-REPETITIVE FORWARD



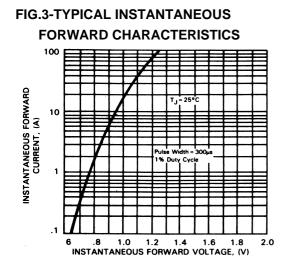


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE 10 ₹ AVERAGE FORWARD CURRENT, 8 6 4 Single Pt 60Hz Ind Phase Half W 2 0 50 100 150 CASE TEMPERATURE, (°C)

FIG.4-TYPICAL REVERSE CHARACTERISTICS

