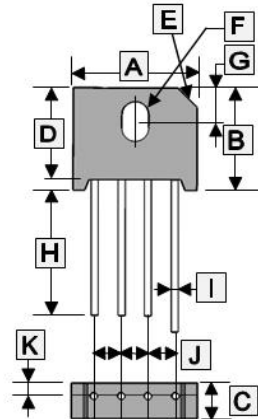


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Surge overload rating -175 Amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- The plastic material has Underwriters Laboratory
- Mounting position:Any
- Mounting torque:5 In.lb.Max

KBU



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	22.7	23.7	G	7.5	REF.
B	18.8	19.8	H	25.4	-
C	6.5	7.0	I	1.2	Ø TYP.
D	16.8	17.8	J	4.6	5.6
E	4.0 x 45°		K	1.8	2.2
F	3.8 Ø x5.7L				

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, de-rate current by 20%.)

Parameter	Symbol	Part Number							Unit
		KBU 8005G	KBU 801G	KBU 802G	KBU 804G	KBU 806G	KBU 808G	KBU 810G	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input 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 @ $T_C=100^\circ\text{C}$	$I_{(AV)}$	8							A
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	175							A
Maximum Forward Voltage @ 4A	V_F	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	$T_J=25^\circ\text{C}$	10							μA
	$T_J=100^\circ\text{C}$	100							
Typical Junction Capacitance Per Element ¹	C_J	250							pF
Operating and Storage temperature range	T_J, T_{STG}	-55~150							°C

Notes :

1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

RATINGS AND CHARACTERISTIC CURVES

FIG.1-DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

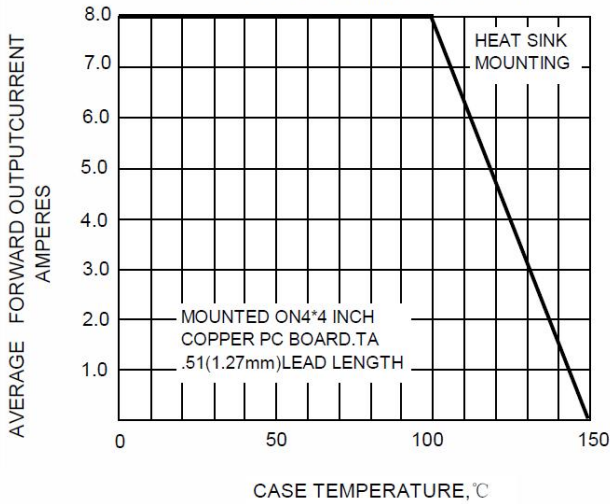


FIG.2 TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

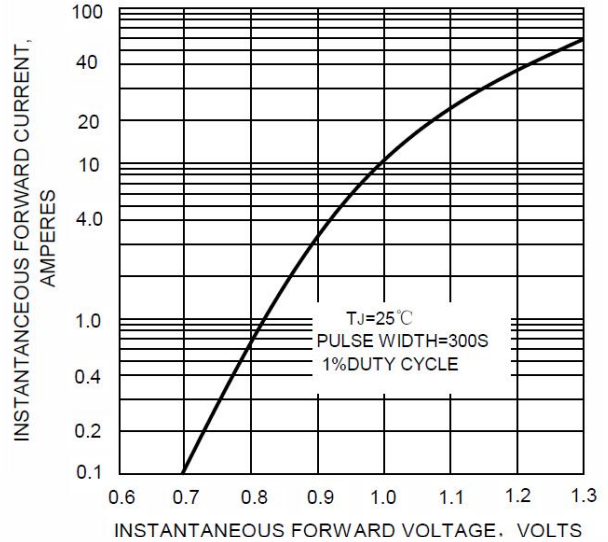


FIG.3-MAXIMUM NON-RETTETIVE PEAK FORWARD SURGE CURRENT

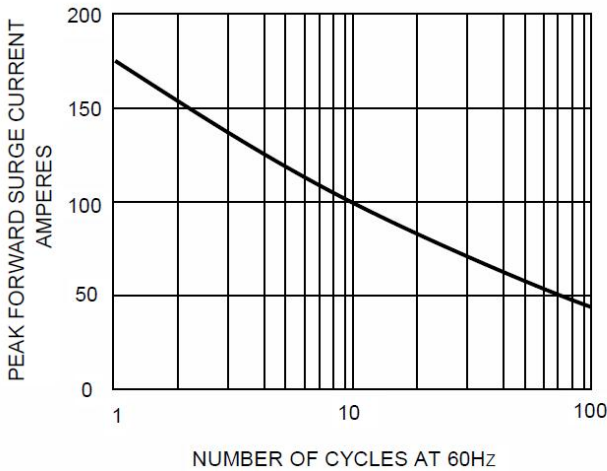


FIG.4-TYPICAL REVERSE CHARACTERISTICS

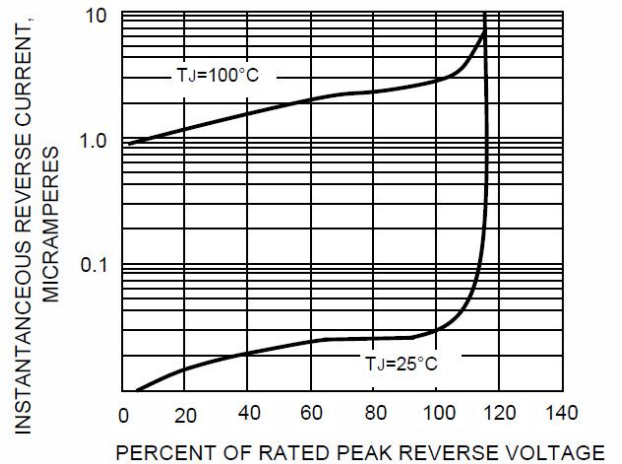


FIG.5-TYPICAL JUNCTION CAPACITANCE PER ELEMENT

