KBJL1006 THRU KBJL1010

SINGLE PHASE10.0AMPS.GLASS PASSIVATED BRIDGE RECTIFIERS

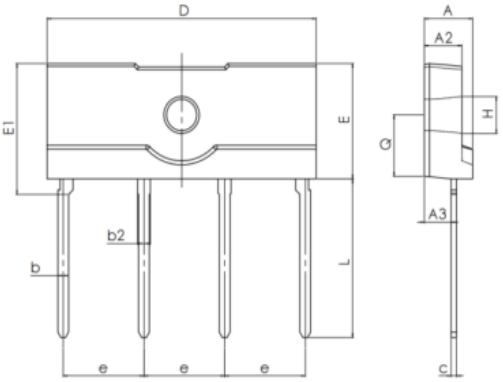
FEATURE

- Glass passivated die construction.
- Low forward voltage drop.
- High surge current capability.
- Plastic material-UL flammability 94V-0.

MECHANICAL DATA

- Case:KBJL Molded Plastic.
- Terminals:Plated Leads Solderable per MIL-STD-202,Method208.
- Polarity:As Marked on Case
- Marking Information: Type Number.
- Mounting Position : Any

KBJL



KBJL		
Dim	Min	Max
A	4.10	4.70
A2	2.90	4.00
A3	2.00	2.60
b	0.90	1.10
b2	1.20	1.50
c	0.40	0.65
D	24.70	25.30
E	10.00	10.60
E1	11.40	12.00
e	7.20	7.70
H	3.20	3.50
L	14.20	15.00
Q	5.40	6.00
All Dimensions in mm		

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz,resistive or inductive load.
For capacitive load, derate current by 20%

Type Number	SYMBOL	KBJL1006	KBJL1008	KBJL1010	units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	420	560	700	V
Maximum DC blocking Voltage	V_{DC}	600	800	1000	V
Maximum Average Forward (with heatsink Note2) Rectified Current @ T_C=110°C(without heatsink)	$I_{F(AV)}$	10.0 3.0			A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I_{FSM}	175			A
Maximum Forward Voltage @ 10.0A DC Drop per element @ 5.0A DC	V_F	1.1 1.02			V
Maximum DC Reverse Current @T_J =25°C at rated DC blocking voltage @T_J =125°C	I_R	5.0 100.0			μA
I^2t Rating for Fusing (t < 8.3ms)	I^2t	127			A^2Sec
Typical Junction Capacitance (Note 1)	C_J	70			pF
Typical Thermal Resistance (Note 2)	$R_{(JC)}$	2.0			°C/W
Storage Temperature	T_{STG}	-55 to +150			°C
Operating Junction Temperature	T_J	-55 to +150			°C

Note:

1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
2.Device mounted on 150mm x 150mm x 1.6mm Cu Plate Heatsink.

RATING AND CHARACTERISTIC CURVES

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

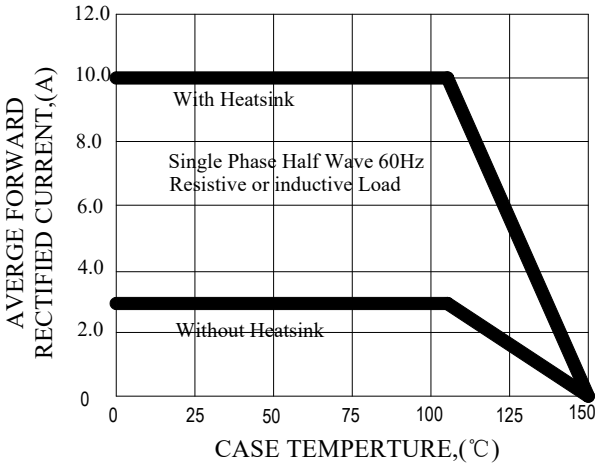


FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

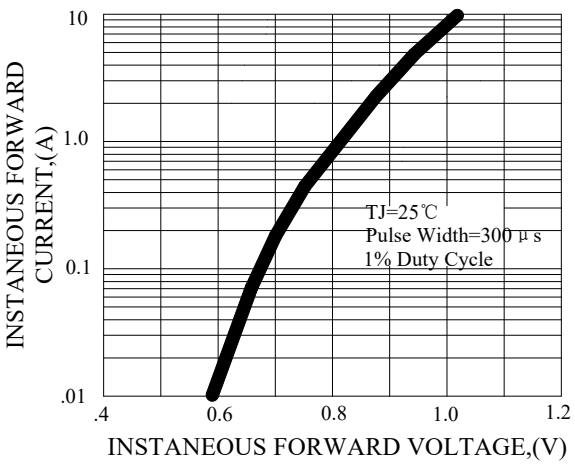


FIG.3-MAXIMUN NON-REPETITIVE FORWARD SURGE CURRENT

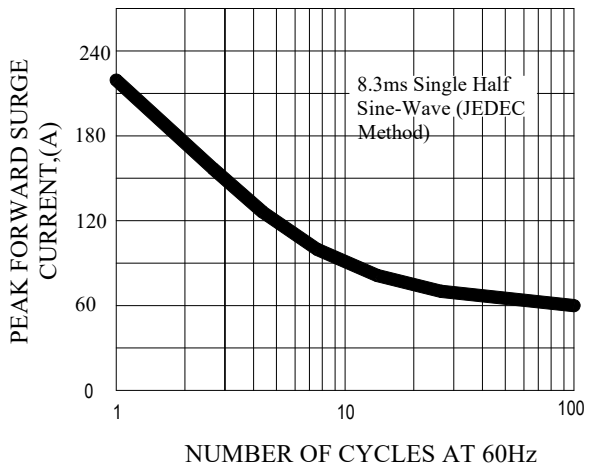


FIG.4-TYPIAL JUNCTION CAPAOTANCE

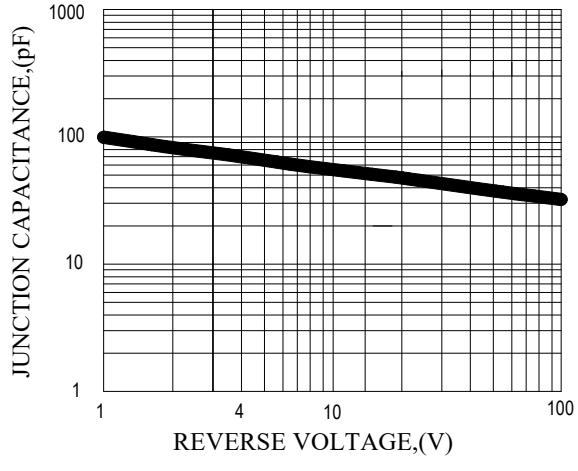


FIG.5-TYPICAL REVERSE CHARACTERISTICS

