KBJ6005 THRU KBJ610

Reverse Voltage - 50 to 1000 Volts Forward Current - 6.0 Amperes

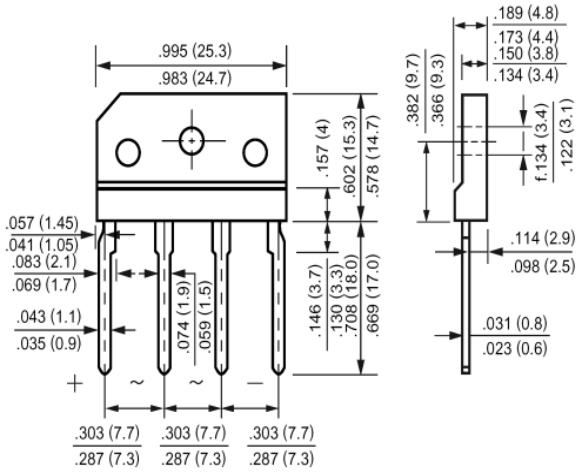
Features

Glass passivated chip junction
Reliable low cost construction utilizing molded plastic technique
Ideal for printed circuit board
Low forward voltage drop
Low reverse leakage current
High surge current capability

Mechanical Data

Case: Molded plastic, KBJ
Epoxy: UL 94V-O rate flame retardant
Terminals: Leads solderable per MIL-STD-202, method 208 guaranteed
Mounting position: Any
Weight: 0.16ounce, 4.6gram

KBJ



Dimensions in inches and (millimeters)

Maximum Ratings And Electrical Characteristics

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

	Symbols	*KBJ6005*	*KBJ601*	*KBJ602*	*KBJ604*	*KBJ606*	*KBJ608*	*KBJ610*	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at T_C=110℃	$I_{(AV)}$	6.0							Amp
Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	120							Amp
Maximum Forward Voltage at 3.0A DC and 25℃	V_F	1.0							Volts
Maximum Reverse Current at T_A=25℃ at Rated DC Blocking Voltage T_A=125℃	I_R	5.0 500							uAmp
Typical Junction Capacitance (Note 1)	C_J	80							pF
Typical Thermal Resistance (Note 2)	$R_{\theta JC}$	1.5							℃/W
Operating and Storage Temperature Range	T_J, Tstg	-55 to +150							℃

NOTES:

1- Measured at 1 MH_Z and applied reverse voltage of 4.0 VDC.

2- Thermal Resistance from Junction to Case with Device Mounted on 75mm x 75mm x 1.6mmCu Plate Heatsink.

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Characteristic Curves (T_A=25 ℃ unless otherwise noted)

FLG.1-MAXIMUM FORWARD SUNRGE CURRENT

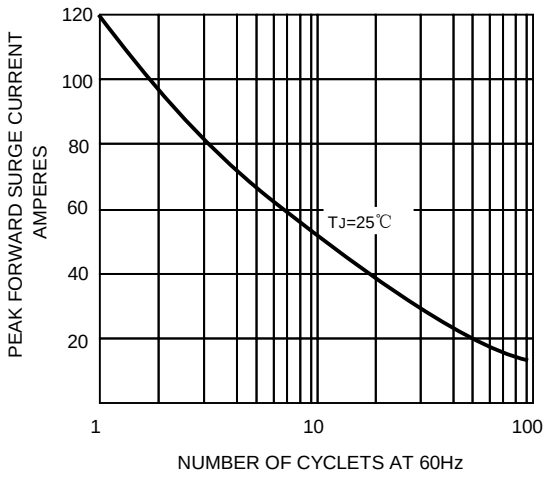


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

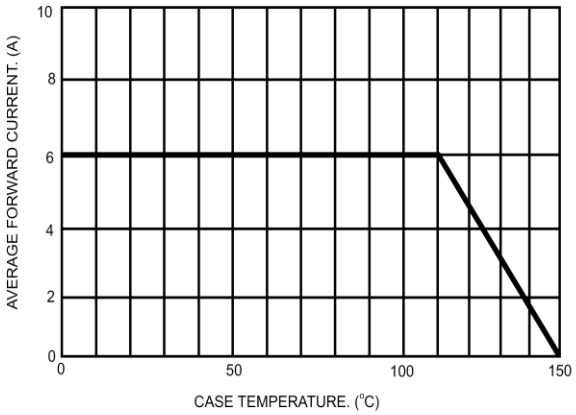


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

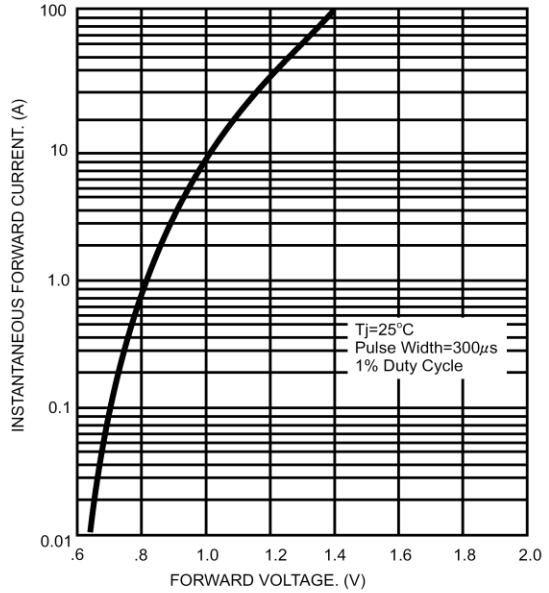
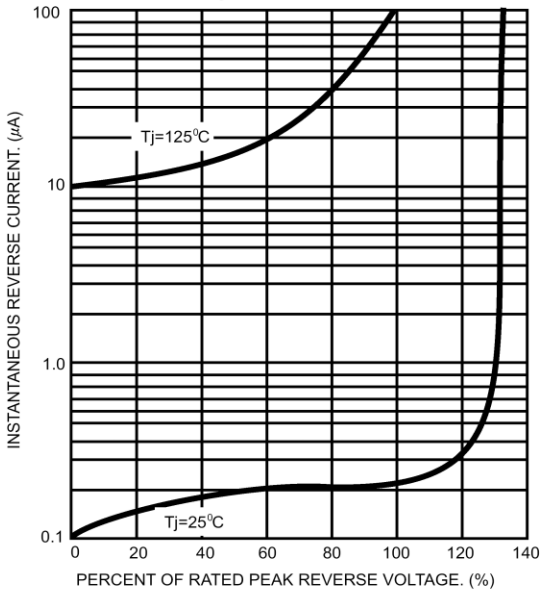


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT



单击下面可查看定价，库存，交付和生命周期等信息

>>ZG(中鑫半导体)