

KBJ1004G thru KBJ1010G

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 400 to 1000 Volts FORWARD CURRENT - 10 Amperes

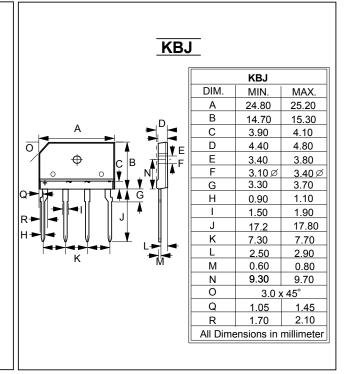
FEATURES

- Rating to 1000V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- The plastic material has UL flammability classification 94V-0
- UL recognized file # E95060

MECHANICAL DATA

Polarity : Symbols molded on bodyWeight : 0.16 ounces, 4.6 grams

• Mounting position : Any



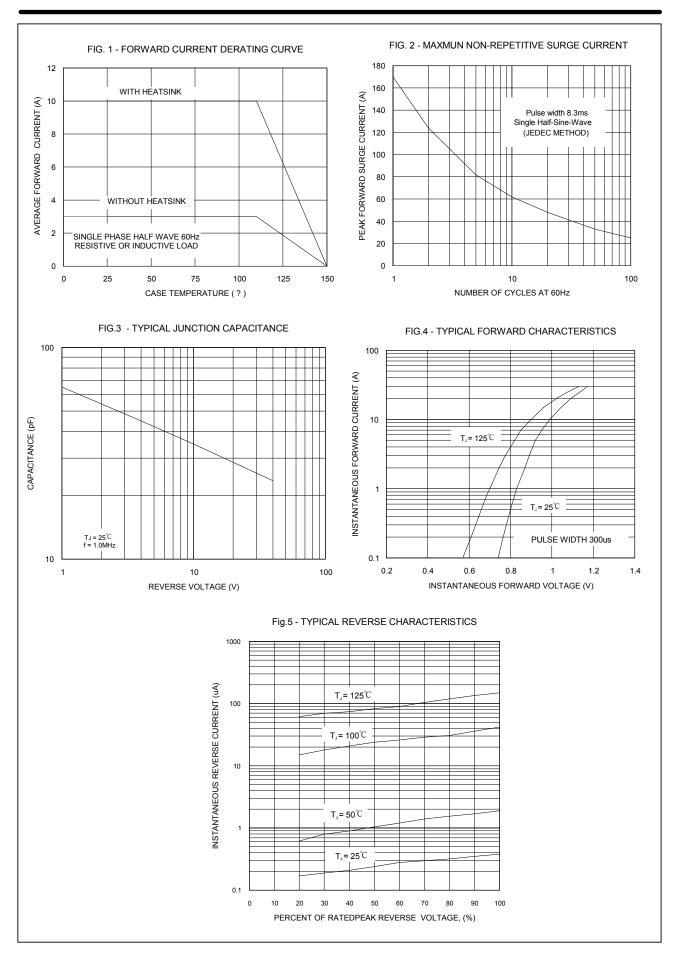
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	KBJ 1004G	KBJ 1006G	KBJ 1008G	KBJ 1010G	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	400	600	800	1000	V
Maximum RMS Voltage	VRMS	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	400	600	800	1000	V
Maximum Average Forward (with heatsink Note 2) Rectified Current @TC =110°C(without heatsink)	I(AV)	10 3.0				A
Peak Forward Surge Current 8.3ms single half sine-wave Non-repetitive, @TJ =25 ℃	IFSM	170				А
Maximum forward Voltage at 5.0A DC	VF	1.1				V
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ =25 ℃ @TJ =125 ℃	lr	5.0 500				uA
I ² t Rating for fusing (t < 8.3ms)	I²t	120				A ² S
Typical Junction Capacitance per element (Note 1)	Сл	45				pF
Typical Thermal Resistance (Note 2)	Re JC	2.0				°C/W
Operating Temperature Range	TJ	-55 to +150				$^{\circ}$
Storage Temperature Range	Тѕтс	-55 to +150				$^{\circ}$ C

NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC. 2.Unit Mounted on 150mm x 150mm x 1.6mm Cu Plate Heatsink. REV. 4, Sep-2012, For Delta







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