

# KBJ1004G thru KBJ1010G

### **GLASS PASSIVATED BRIDGE RECTIFIERS**

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

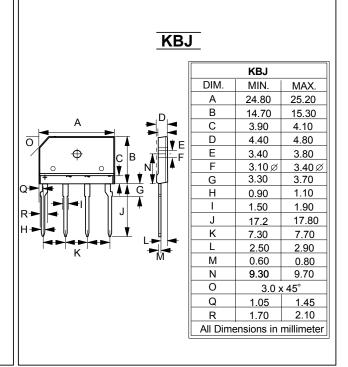
#### **FEATURES**

- 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



REV. 2, Sep-2010, KBDF06

#### **MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

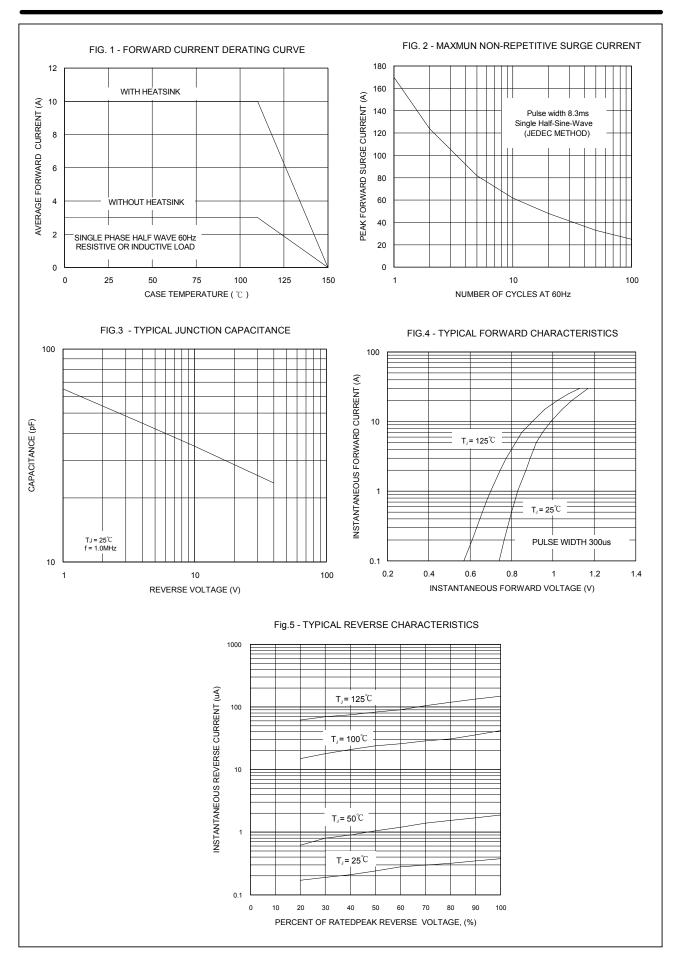
Ratings at 25°C ambient temperature unless otherwise specified.

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℃ (without heatsink)	I(AV)	10 3.0				А
Peak Forward Surge Current 8.3ms single half sine-wave Non-repetitive, @TJ =25 °C	IFSM	170				А
Maximum forward Voltage at 5.0A DC	VF	1.1				V
	lR	5.0 500				uA
I <sup>2</sup> t Rating for fusing (t < 8.3ms)	I²t	120				A <sup>2</sup> 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				$^{\circ}\!\mathbb{C}$
Storage Temperature Range	Тѕтс	-55 to +150				$^{\circ}\mathbb{C}$

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.







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