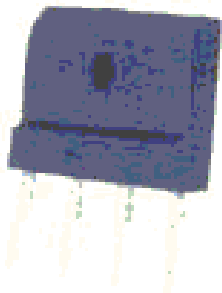
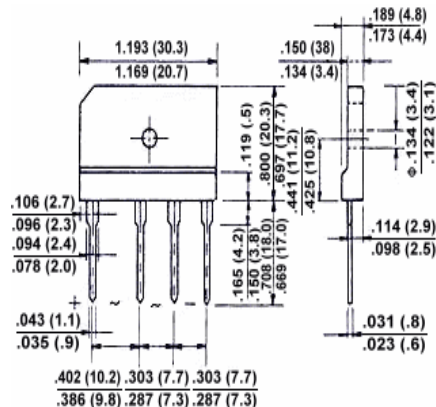


## Description

**KBJ600~6010**



## Mechanical Dimensions



**KBJ-6**

**DIMENSIONS IN INCH (MM)**

### FEATURE

- Surge overload rating –150Amps peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has Underwrites Laboratory Flammability Classification 94V-0
- Mounting Position: Any

### Max Ratings and Electrical Characteristic

Characteristics	Symbol	KBJ	KBJ	KBJ	KBJ	KBJ	KBJ	KBJ	UNIT
		600	601	602	604	606	608	610	
Max Recurrent peak reverse voltage	V <sub>rrm</sub>	50	100	200	400	600	800	1000	V
Max RMS Voltage	V <sub>rms</sub>	35	70	140	240	420	560	700	V
Max DC Voltage	V <sub>dc</sub>	50	100	200	400	600	800	1000	V
Max Average Forward Volt T <sub>c</sub> =100C	I <sub>(av)</sub>	6.0							A
Peak forward Surge current 8.3ms	I <sub>FSM</sub>	150							A
Max Forward Voltage 3.0A	V <sub>f</sub>	1.0							V
Max DC Reverse T <sub>j</sub> =25C/125C	I <sub>R</sub>	5.0/500							uA
I <sup>2</sup> tRating for Fusing(t<8.3ms)	I <sup>2</sup> t	120							A <sup>2</sup> S
Typical Junction Capacitance	C <sub>j</sub>	55							pF
Typical Thermal Resistance	R <sub>thjc</sub>	1.8							C/w
Operating & Storage Temp.	T <sub>j</sub> /T <sub>stg</sub>	-55~+150							C

Note: 1. Measured at 1.0MHZ and applied reverse voltage of 4.0V DC

2. Device Mounted on 50mm x 50mm x 1.6mm Cu Plate Heatsink

FIG. 1 - FORWARD CURRENT DERATING CURVE

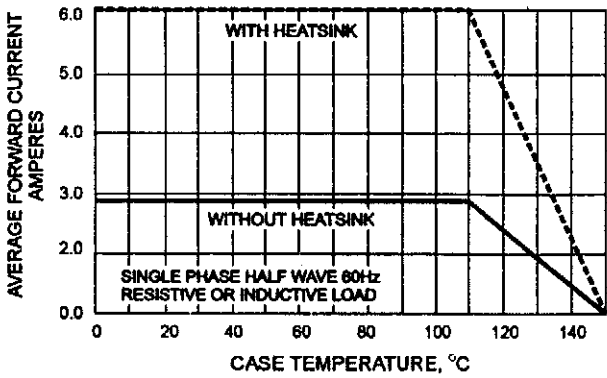


FIG. 2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

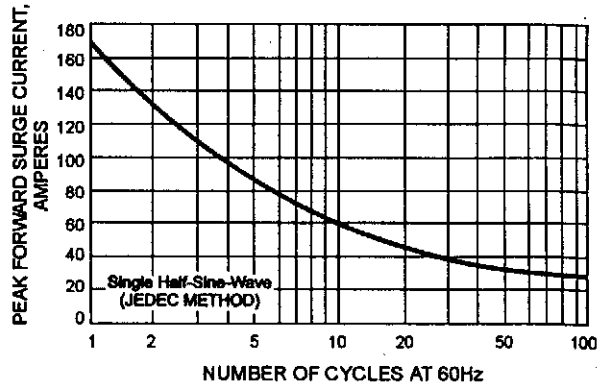


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

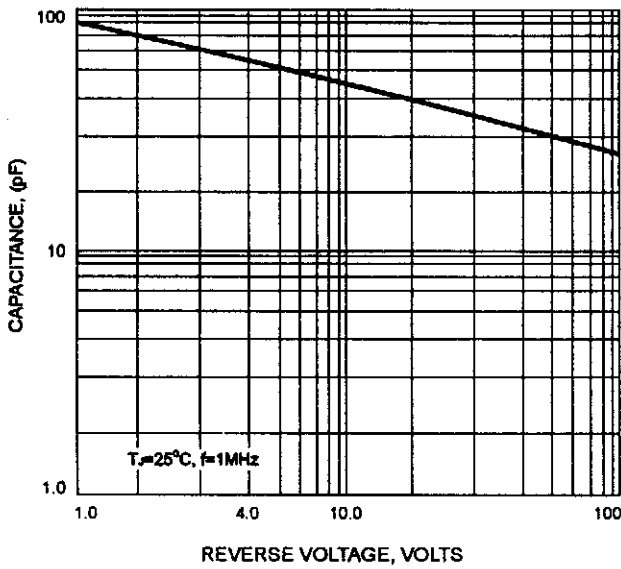


FIG. 4 - TYPICAL FORWARD CHARACTERISTICS

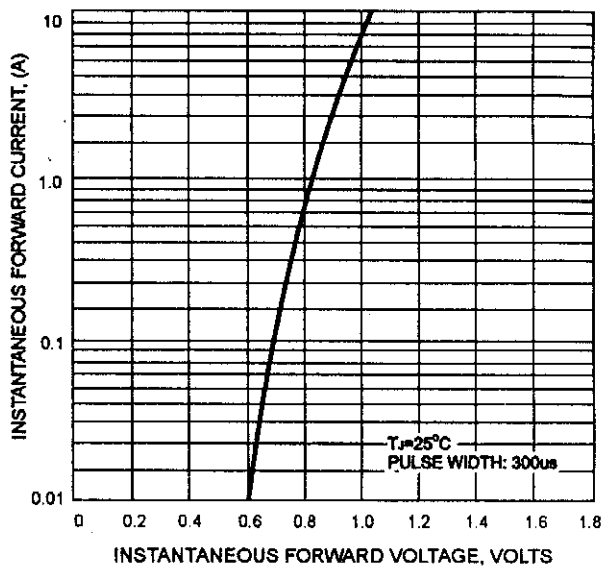
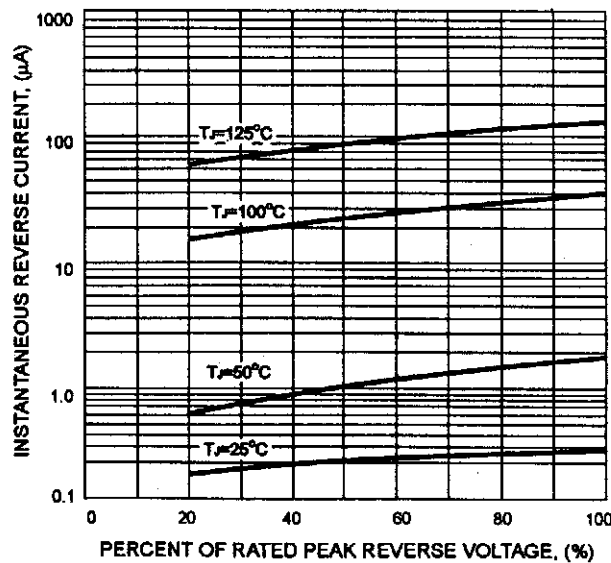


FIG. 5 - TYPICAL REVERSE CHARACTERISTICS



KBJ600~6010