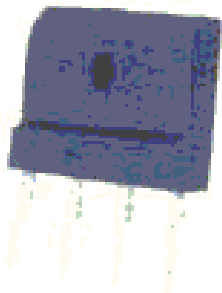
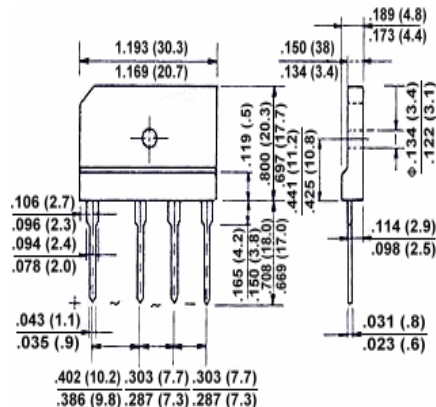


Description

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 _{rrm}	50	100	200	400	600	800	1000	V
Max RMS Voltage	V _{rms}	35	70	140	240	420	560	700	V
Max DC Voltage	V _{dc}	50	100	200	400	600	800	1000	V
Max Average Forward Volt T _c =100C	I _(av)	6.0							A
Peak forward Surge current 8.3ms	I _{FSM}	150							A
Max Forward Voltage 3.0A	V _f	1.0							V
Max DC Reverse T _j =25C/125C	I _R	5.0/500							uA
I ² tRating for Fusing(t<8.3ms)	I ² t	120							A ² S
Typical Junction Capacitance	C _j	55							pF
Typical Thermal Resistance	R _{thjc}	1.8							C/w
Operating & Storage Temp.	T _j /T _{stg}	-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

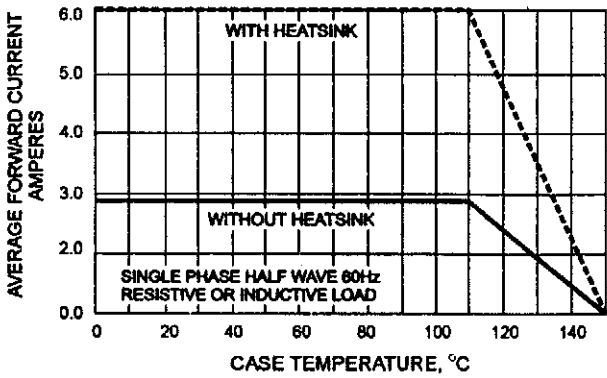


FIG. 2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

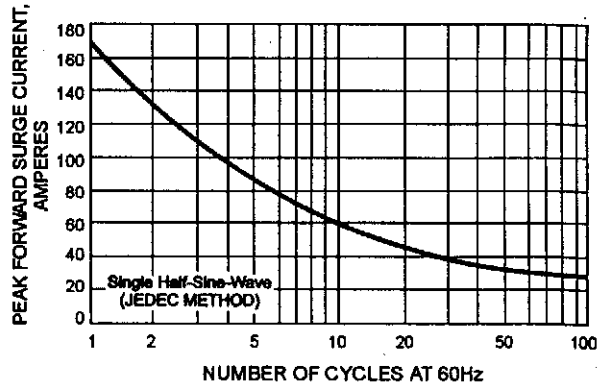


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

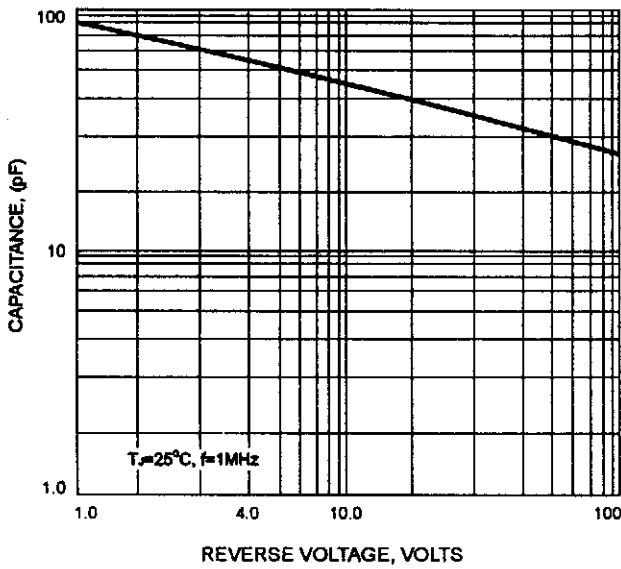


FIG. 4 - TYPICAL FORWARD CHARACTERISTICS

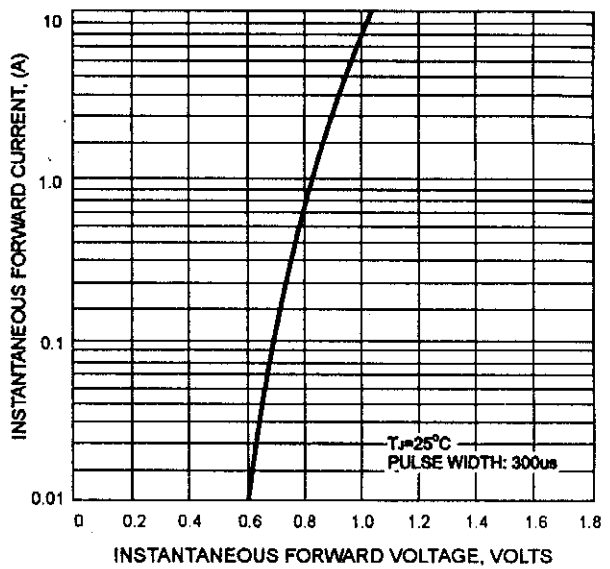
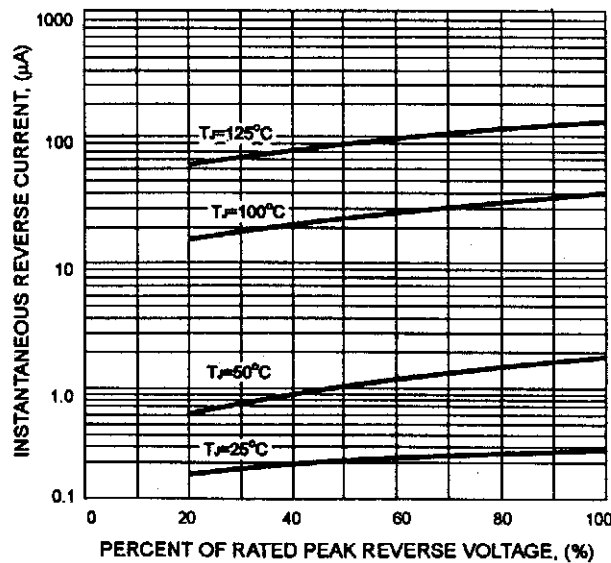


FIG. 5 - TYPICAL REVERSE CHARACTERISTICS



KBJ600~6010