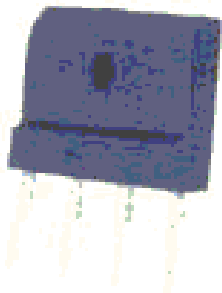
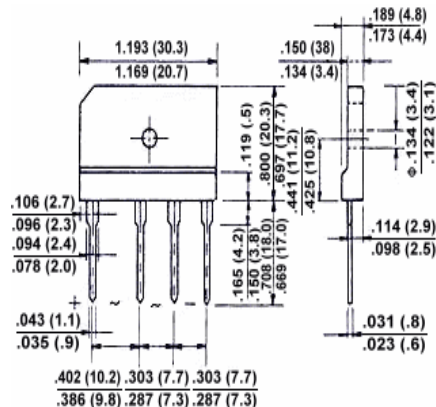


Description

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

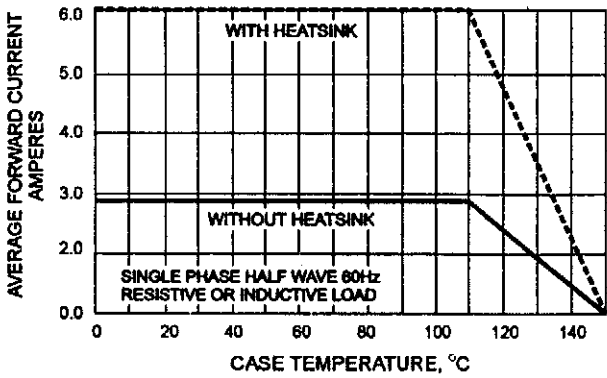


FIG. 2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

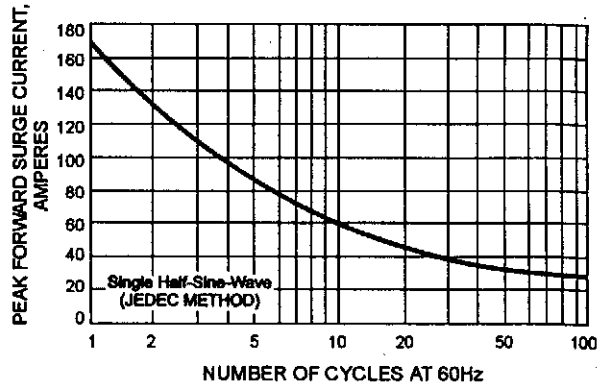


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

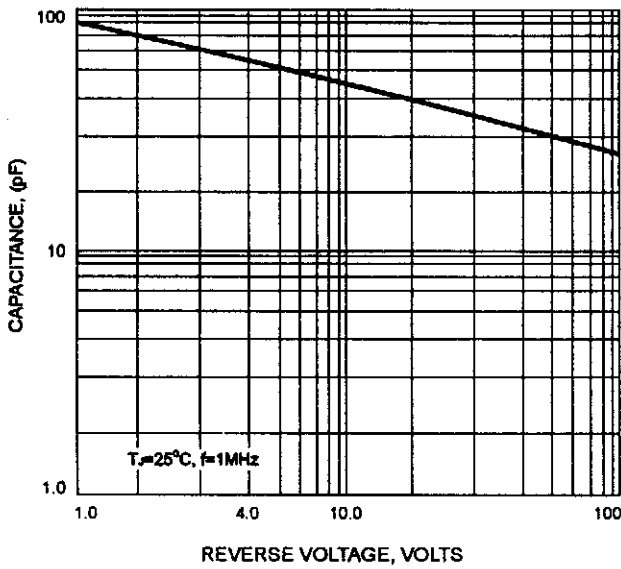


FIG. 4 - TYPICAL FORWARD CHARACTERISTICS

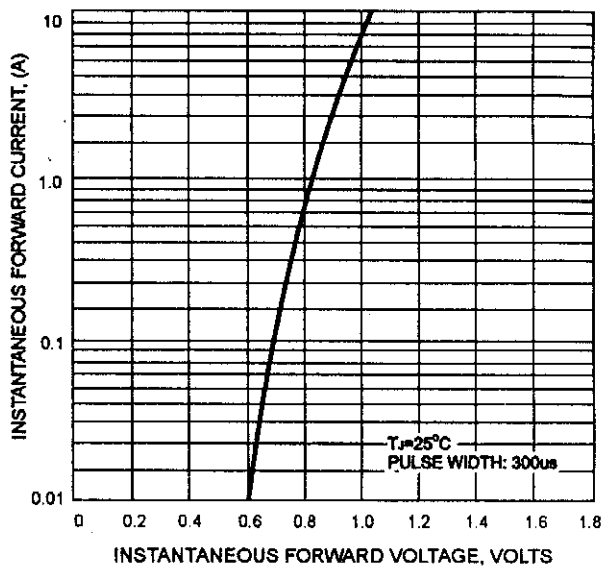


FIG. 5 - TYPICAL REVERSE CHARACTERISTICS

