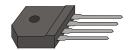
GBJ1001 THRU GBJ1007



SINGLE PHASE 10.0 AMP BRIDGE RECTIFIERS

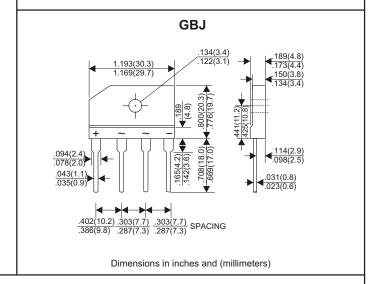


FEATURES

- * Ideal for printed circuit board
- * Low forward voltage
- * Low leakage current
- * Mounting position: Any

VOLTAGE RANGE 50 to 1000 Volts CURRENT

10.0 Amperes



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

| TYPE NUMBER | GBJ1001 | GBJ1002 | GBJ1003 | GBJ1004 | GBJ1005 | GBJ1006 | GBJ1007 | UNITS |
|--|---------|------------|---------|---------|---------|---------|---------|------------|
| Maximum Recurrent Peak Reverse Voltage | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum RMS Voltage | | 70 | 140 | 280 | 420 | 560 | 700 | V |
| Maximum DC Blocking Voltage | | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum Average Forward (with heatsink Note 2) | | 10.0 | | | | | | |
| Rectified Current at Tc=100°C (Without heatsink) | | 3.0 | | | | | | |
| Peak Forward Surge Current, 8.3 ms single half sine-wave | | | | | | | | |
| superimposed on rated load (JEDEC method) | | 220 | | | | | | |
| Maximum Forward Voltage Drop per Bridge Element at 5.0A D.C. | | 1.1 | | | | | | |
| Maximum DC Reverse Current Ta=25°C | | | | 5.0 | | | | μ A |
| at Rated DC Blocking Voltage Ta=100° | С | | | 500 | | | | μА |
| Typical Junction Capacitance (Note 1) | | 55 | | | | | | |
| Typical Thermal Resistance Rθμc (Note 2) | | 2.3 | | | | | | |
| Operating Temperature Range, TJ | | -55—+150 | | | | | | |
| Storage Temperature Range, Tsтс | | -55 — +150 | | | | | | |

NOTES:

- 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
- 2. Thermal Resistance from Junction to Case with device mounted on 150mm x 1.6mm x 1.6mm Cu Plate Heatsink.

RATING AND CHARACTERISTIC CURVES (GBJ1001 THRU GBJ1007)

