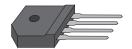
GBJ1001 THRU GBJ1007



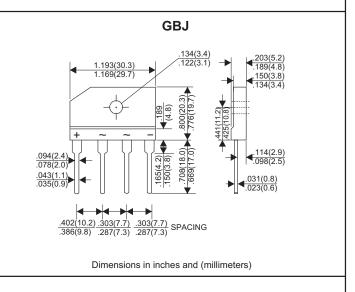
SINGLE PHASE 10.0 AMP BRIDGE RECTIFIERS



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		35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		50	100	200	400	600	800	1000	V
Maximum Average Forward (with heatsink Note 2)		10.0							Α
Rectified Current at Tc=110°C (Without heatsink)		3.0							Α
Peak Forward Surge Current, 8.3 ms single half sine-wave									
superimposed on rated load (JEDEC method)		170							Α
Maximum Forward Voltage Drop per Bridge Element at 5.0A D.C.		1.05							V
Maximum DC Reverse Current	Ta=25°C	5.0						μА	
at Rated DC Blocking Voltage	Ta=100°C				500				μА
Typical Thermal Resistance R Jc (Note 1)		2.3							°C/W
Typical Thermal Resistance R JL (Note 2)		6.0							°C/W
Operating Temperature Range, TJ		-55 — + 150							°C
Storage Temperature Range, Тятс		-55 —+150							°C

NOTES

- 1. Thermal Resistance from Junction to Case with device mounted on 100mm x 1.6mm Cu Plate Heatsink.
- 2. Thermal Resistance from Junction to Lead without Heatsink.

RATING AND CHARACTERISTIC CURVES (GBJ1001 THRU GBJ1007)

