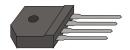
GBJ1501 THRU GBJ1507



SINGLE PHASE 15.0 AMP BRIDGE RECTIFIERS



FEATURES

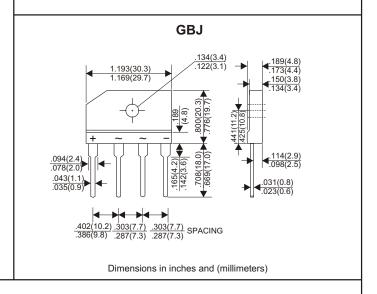
- * Ideal for printed circuit board
- * Low forward voltage
- * Low leakage current

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Lead: Plated leads solderable per MIL-STD-202, method 208 guranteed
- * Mounting position: Any
- * Weight: 6.8 grams

VOLTAGE RANGE 50 to 1000 Volts CURRENT

15.0 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	GBJ1501	GBJ1502	GBJ1503	GBJ1504	GBJ1505	GBJ1506	GBJ1507	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)		15.0						
Rectified Current at Tc=100°C (Without heatsink)		3.2						
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)		240						Α
Maximum Forward Voltage Drop per Bridge Element at 7.5A D.C		1.1						V
Maximum DC Reverse Current Ta=25℃		5.0						μA
at Rated DC Blocking Voltage Ta=100°C		500						μА
Typical Junction Capacitance (Note 1)		60						PF
Typical Thermal Resistance Rθэс (Note 2)		0.8					°C/W	
Operating Temperature Range, TJ		-55—+150						°C
Storage Temperature Range, Tstg		-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 300mm x 300mm x 1.6mm Cu Plate Heatsink.

RATING AND CHARACTERISTIC CURVES (GBJ1501 THRU GBJ1507)

