

GBU1502 THRU GBU1510 GLASS PASSIVATED BRIDGE RECTIFIER

Reverse Voltage - 200 to 1000 Volts

Forward Current - 15 Amperes

GBU

FEATURES

- * Glass passivated chip junctions
- * Compliance to RoHS product
- Plastic Material has Underwriters Laboratory Flammability Classification 94V-0
- * High surge current capability
- * Ideal for Printed Circuit Boards
- * High temperature soldering guaranteed : 260°C/10 seconds

MECHANICAL DATA

Case: Molded Plastic

Terminals : Tin Plated, solderable per MIL-STD-750, Method 2026

Polarity: As marked on Body

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.	SYMBOLS	GBU1502	GBU1504	GBU1506	GBU1508	GBU1510	UNITS
Maximum repetitive peak reverse voltage	VRRM	200	400	600	800	1000	Volts
Maximum RMS voltage	VRMS	140	280	420	560	700	Volts
Maximum DC blocking voltage	VDC	200	400	600	800	1000	Volts
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM						Amps
Maximum instantaneous forward voltage at 7.5 A	VF						Volts
Maximum DC reverse current @TA=25°C at rated DC blocking voltage @TA=125°C	lR						uA
Typical Junction Capacitance per element (Note 1)	Cl						pF
Typical thermal resistance (Note 2)	R						°C/W
Operating temperature range	TJ						°C
Storage temperature range	Тѕтс						°C