



RGBU1010

Fast Recovery Bridge Rectifier

Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Ideal for printed circuit boards
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Typical Applications

General purpose use in AC/DC bridge full wave rectification for monitor, TV, printer, power supply, switching mode power supply, adapter, audio equipment, and home appliances applications.

Mechanical Data

- Package:** GBU
- Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity:** As marked on body

Maximum Ratings ($T_a=25$ Unless otherwise specified) A 10

Parameter	Symbol	Unit	Value
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_j=25$	I_{FSM}	A	175
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle @Recommend torque 5kg cm	Mounting torque T_{or}	kg cm	8
			3.0

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Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	Symbol	Unit	Value
			100
			100



RGBU1010

Thermal Characteristics $T_a=25$ Unless otherwise specified

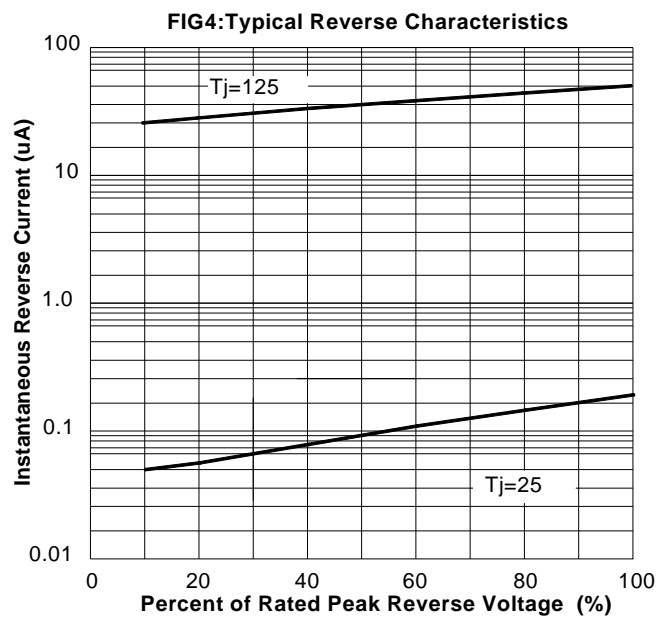
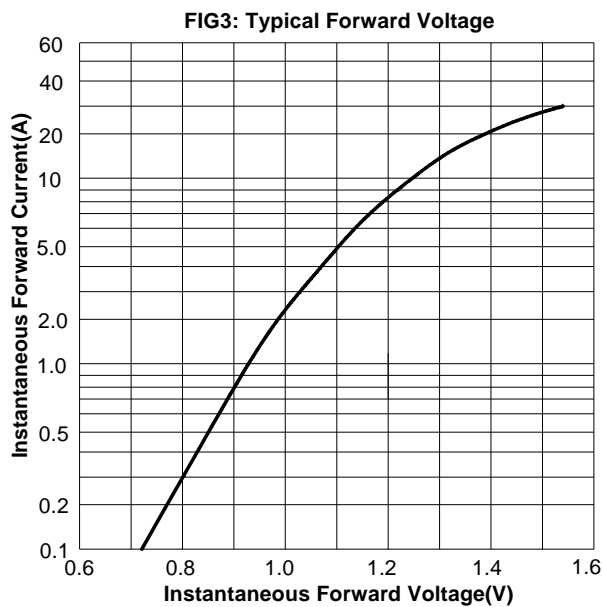
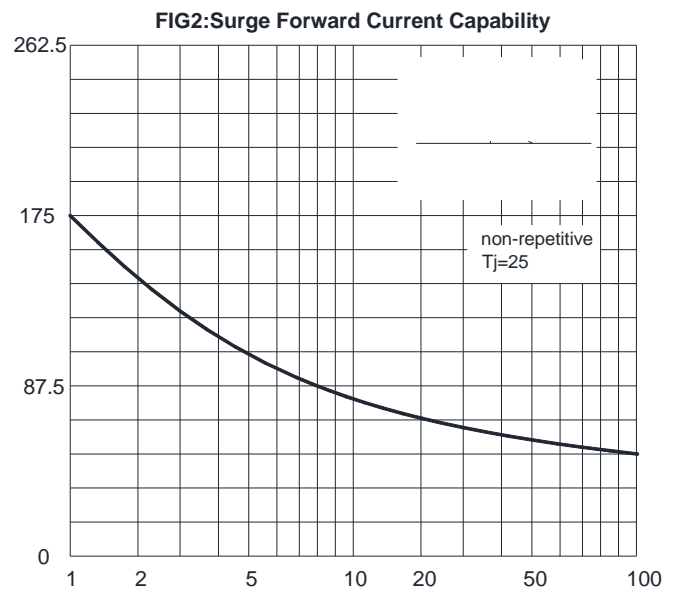
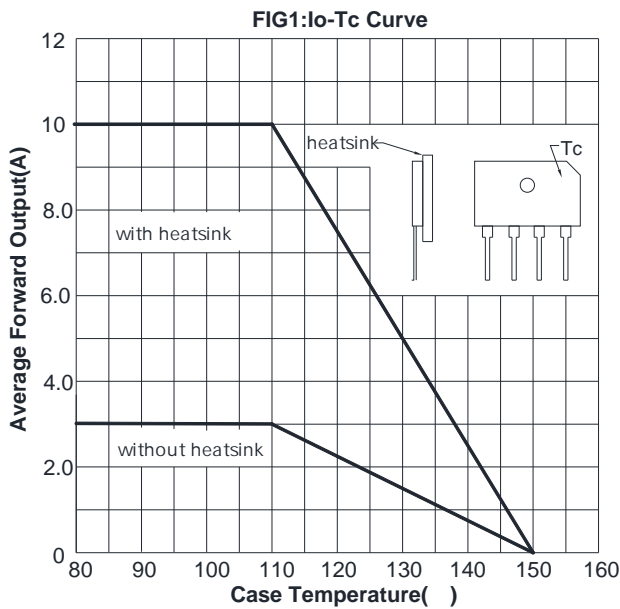
PARAMETER		SYMBOL	UNIT	RGBU1010
Thermal Resistance	Between junction and ambient, Without heatsink	R J-A	/W	25.0
	Between junction and case, With heatsink	R J-C		1.5

Note: Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
RGBU1010	B1	Approximate 3.96	20	1000	2000	TUBE

Characteristics (Typical)





RGBU1010

Disclaimer

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