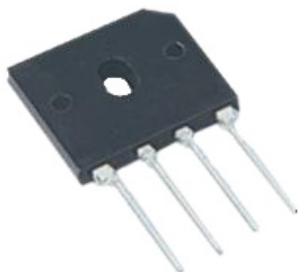


RoHS
Compliant



Features

- Ideal for printed circuit board
- Reliable low cost construction
- Plastic material
- High case dielectric strength of 1,500V_{RMS}
- Surge overload rating to 200 amperes peak
- High temperature soldering guaranteed: 260°C/10 seconds / 0.375 inch, (9.5mm) lead lengths

Mechanical Data

Case : Molded plastic body
Terminals : Plated leads solderable per MIL-STD-750, Method 2026
Weight : 0.3 ounce, 8.0 grams
Mounting torque : 5in. Maximum

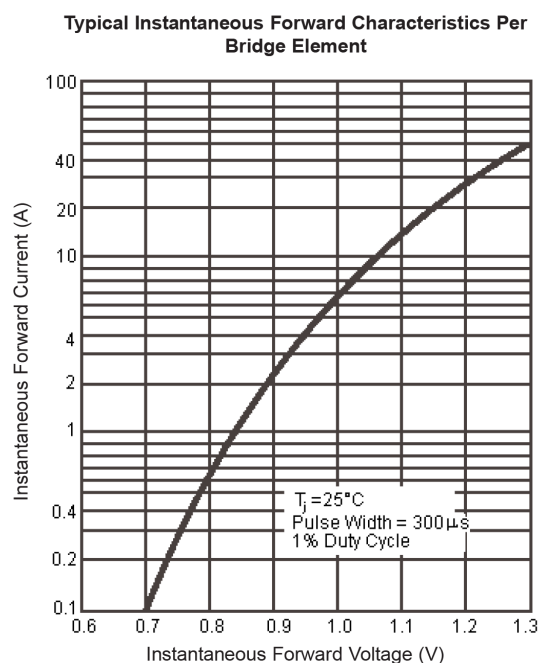
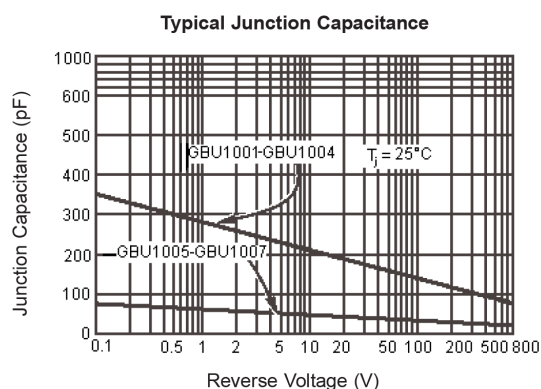
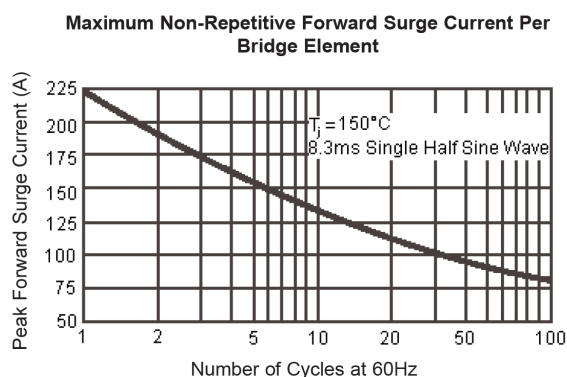
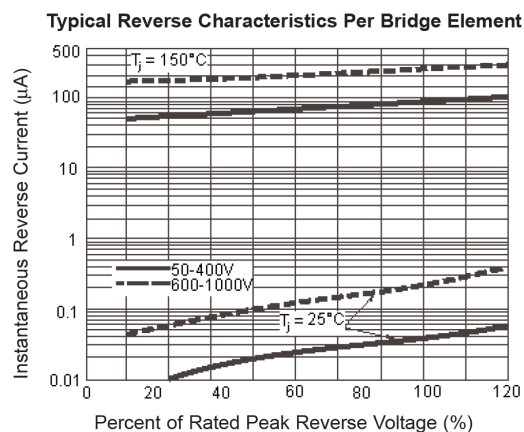
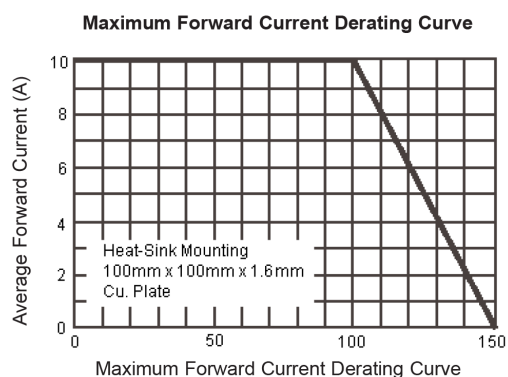
Maximum Ratings and Electrical Characteristics

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

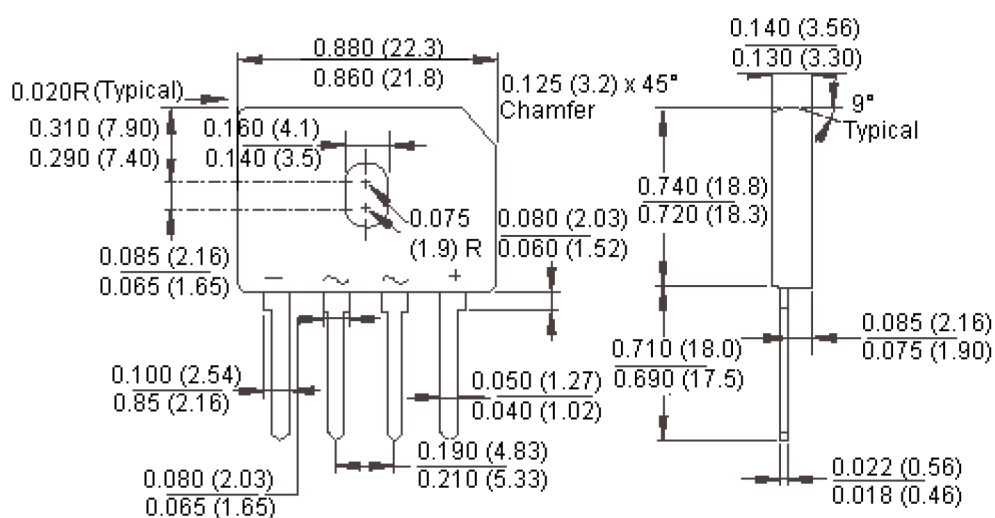
Characteristics	Symbol	Values	Units
Max. Recurrent Peak Reverse Voltage	V _{RRM}	400	V
Max. RMS Voltage	V _{RMS}	280	
Max. DC Blocking Voltage	V _{DC}	400	
Max. Average Forward Rectified Current at T _c = 100°C	I(AV)	10	A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	220	
Maximum Instantaneous Forward Voltage at 5.0A at 10A	V _F	1.0 1.1	V
Maximum DC Reverse Current at T _A = 25°C at Rated DC Blocking Voltage at T _A = 125°C	I _R	5.0 500	µA
Typical Junction Capacitance (Note 3)	C _J	221	pF
Typical Thermal Resistance Per Leg (Note 1) (Note 2)	R _{θJA} R _{θJC}	21 2.0	°C/W
Operating Temperature Range	T _J	-50 to +150	°C
Storage Temperature Range	T _{STG}		

Notes 1: Units Mounted in Free Air No Heat Sink on PCB 0.5 × 0.5 inches (12mm × 12mm) Copper Pads, 0.375 inch (9.5mm) Lead Length.
2: Device Mounted on 4 x 6 x 0.25 inches Plate Heatsink
3: Measured at 1.0MHz and applied Reverse Voltage of 4.0V

Ratings and Characteristic Curves



Dimensions:



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Bridge Rectifier, 10A, 400V	GBU1004+

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