

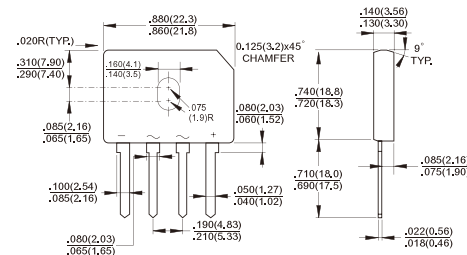


GBU601 - GBU607
Single Phase 6.0 AMPS.
Glass Passivated Bridge Rectifiers

GBU

Features

- ✧ UL Recognized File # E-326243
- ✧ Glass passivated junction
- ✧ Ideal for printed circuit board
- ✧ High case dielectric strength of 1500 Vrms
- ✧ Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- ✧ Typical IR less than 0.1uA
- ✧ High surge current capability
- ✧ High temperature soldering guaranteed: 260°C / 10 seconds at 5 lbs., (2.3kg) tension
- ✧ Green compound with suffix "G" on packing code & prefix "G" on datecode.

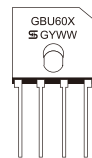


Mechanical Data

- ✧ Case : Molded plastic body
- ✧ Terminal : Pure tin plated , Lead free. Leads solderable per MIL-STD-202 Method 208
- ✧ Weight:4 grams
- ✧ Mounting Torque: 5 in. lb. max.

Dimensions in inches and (millimeters)

Marking Diagram



GBU60X = Specific Device Code
G = Green Compound
Y = Year
WW = Work Week

Maximum Ratings and Electrical Characteristics

Rating at 25 °C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

[illegible]

Notes:

1. Pulse Test with PW=300 usec, 1% Duty Cycle
2. Unit case mounted on 4" x 6" x 0.25" Al plate heat sink.
3. Measured at 1MHz and applied Reverse bias of 4.0V DC.

Version: E10

RATINGS AND CHARACTERISTIC CURVES (GBU601 THRU GBU607)

FIG 1-Maximum Derating Curve for Output Current

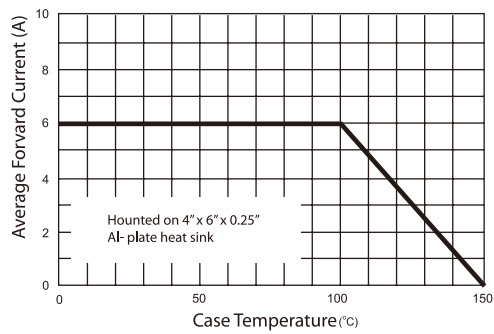


FIG 2 Maximum Forward Surge Current per Leg

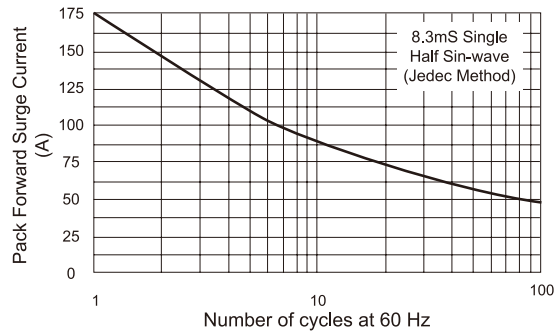


FIG 3 Typical Reverse Characteristics per Leg

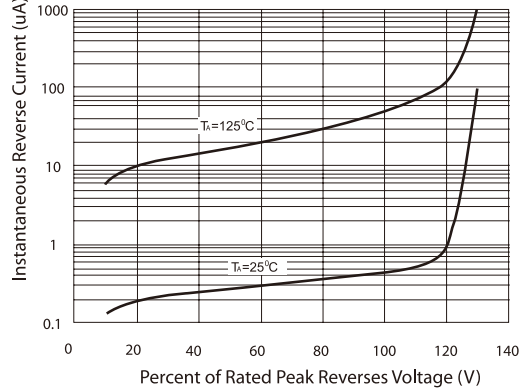


FIG 4 Typical Forward Characteristics per Leg

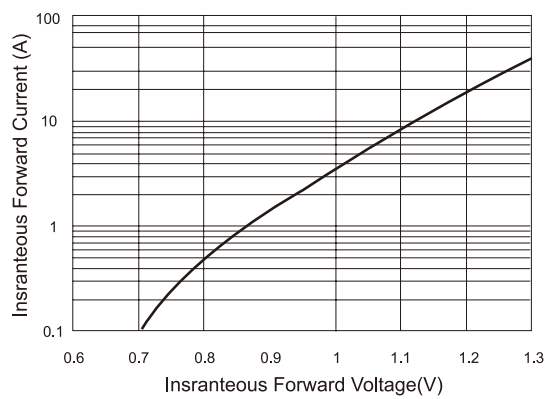


FIG 5 Typical Junction Capacitance

