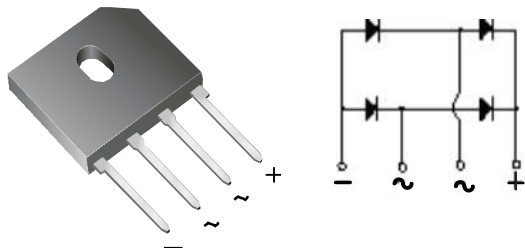




## 4.0 Amp. Glass Passivated Single Phase In Line GBU Bridge Rectifier

<div>GBU</div> <div></div>	<div>Voltage</div> <div>400 V to 1000 V</div>	<div>Current</div> <div>4.0 A</div>	
	<div>FEATURES</div> <div><ul style="list-style-type: none"><li>• UL recognition file number E320541</li><li>• Ideal for printed circuit board</li><li>• High case dielectric strength of 1500 Vrms</li><li>• High surge current capability</li><li>• Solder dip 260°C, 10s</li><li>• Component in accordance to RoHS 2011/65/EU and WEEE 2002/96/EC</li></ul></div>		<div></div> <div></div> <div><div>RoHS</div><div>COMPLIANT</div></div>
	<div>MECHANICAL DATA</div> <div><ul style="list-style-type: none"><li>• <b>Case:</b> GBU. Epoxy meets UL 94V-0 flammability rating.</li><li>• <b>Polarity:</b> As marked on body</li><li>• <b>Mounting Torque:</b> 10cm·kg (8.8 in.- lbs.) Max.</li><li>• <b>Recommended Torque:</b> 5.5cm·kg (5 in.- lbs.)</li><li>• <b>Terminals:</b> Matte tin plated leads, solderable per MIL-STD-750 Method 2026, J-STD-002 and JESD22-B102. Consumer grade, meets JESD 201 class 1A whisker test</li></ul></div>		
	<div>TYPICAL APPLICATIONS</div> <div>Used in ac-to-dc bridge full wave rectification for monitor, TV, printer, switching mode power supply, adapter, audio equipment, and home appliances applications.</div>		

### Maximum Ratings and Electrical Characteristics at 25 °C

		GBU 404G	GBU 405G	GBU 406G	GBU 407G
Marking Code		GBU404G	GBU405G	GBU406G	GBU407G
V <sub>RRM</sub>	Maximum Recurrent Peak Reverse Voltage (V)	400	600	800	1000
V <sub>RMS</sub>	Maximum RMS Voltage (V)	280	420	560	700
V <sub>DC</sub>	Maximum DC Blocking Voltage (V)	400	600	800	1000
I <sub>F(AV)</sub>	Maximum Average Forward Rectified Current @ T <sub>C</sub> = 100 °C	4.0 A			
I <sub>FSM</sub>	Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	150 A			
C <sub>j</sub>	Typical Junction capacitance per leg (Note 3)	100pF	45pF		
T <sub>j</sub>	Operating Temperature Range	-55 to +150 °C			
T <sub>stg</sub>	Storage Temperature Range	-55 to +150 °C			

### Electrical Characteristics at Tamb = 25 °C

$V_F$	Maximum Instantaneous Forward Voltage @ = 2.0 A @ = 4.0 A	1.0 V 1.1 V
$I_R$	Maximum DC Reverse Current @ $T_A = 25\text{ }^{\circ}\text{C}$ at Rated DC Blocking Voltage (Note 1) @ $T_A = 125\text{ }^{\circ}\text{C}$	5.0 $\mu\text{A}$ 500 $\mu\text{A}$
$R_{th(j-a)}$ $R_{th(j-c)}$	Typical Thermal Resistance (Note 2)	20 °C/W 4.0 °C/W

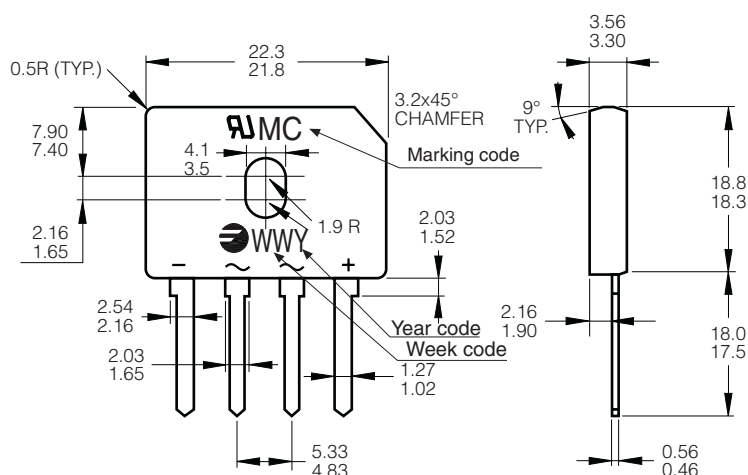
Notes: 1. Pulse Test with PW=300  $\mu\text{sec}$ , 1% Duty Cycle.  
 2. Mounted on Al. Plate of 4" x 6" x 0.25" Al-Plate Heat sink.  
 3. Measured at 1.0MHZ and Applied Reverse Voltage of 4.0 Volts. D.C.

**4.0 Amp. Glass Passivated Single Phase In Line GBU Bridge Rectifier**

**Ordering information**

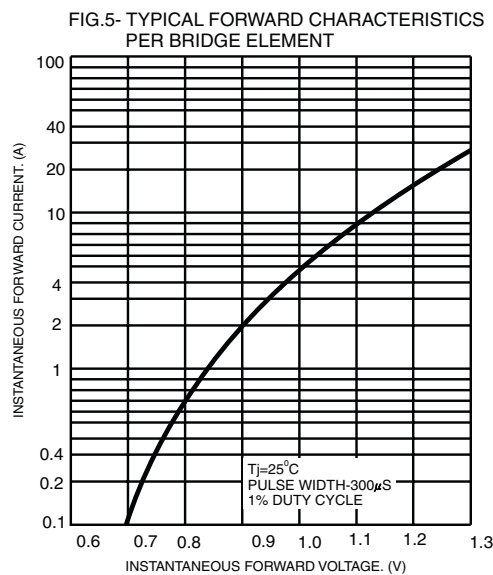
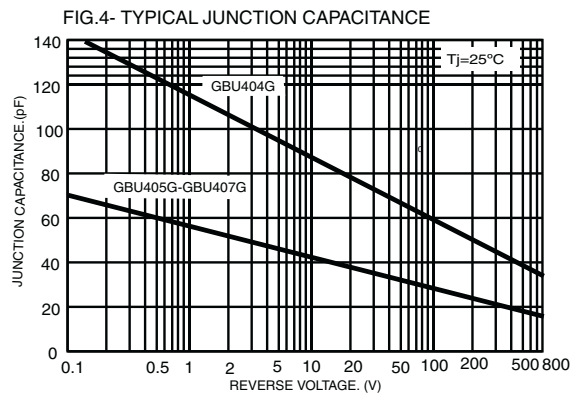
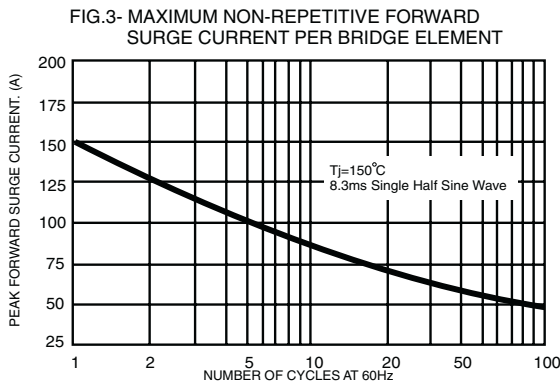
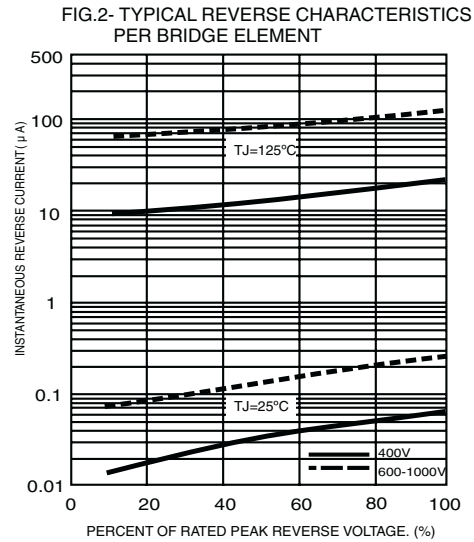
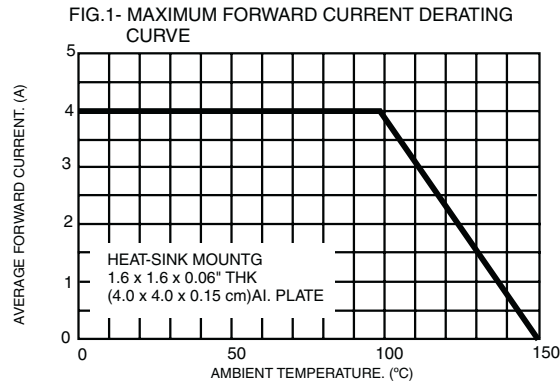
PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
GBU406G TU	TU	TUBE	20	3.96

**Package Outline Dimensions: (mm) GBU**



## 4.0 Amp. Glass Passivated Single Phase In Line GBU Bridge Rectifier

### Ratings and Characteristics (Ta 25 °C unless otherwise noted)



**4.0 Amp. Glass Passivated Single Phase In Line GBU Bridge Rectifier****Revision History**

Date	Revision	Description of Changes
03-Oct-2011	0	Original Data Sheet
21-Apr-2016	1	Change Ordering information

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