# Glass Passivated Bridge Rectifier





#### **Features**

- Rating 600V PRV
- · Ideal for printed circuit board
- · Low forward voltage drop, high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has U/L flammability classification 94V-0

#### **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%

Characteristic	Symbol	Values	Unit
Maximum Recurrent Peak Reverse Voltage	VRRM	600	V
Maximum RMS Voltage	VRMS	420	
Maximum DC Blocking Voltage	VDC	600	
Maximum Average Forward (with heatsink Note 2) Rectified Current @ Tc = 110°C (without heatsink)	I(AV)	10 3.5	А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	Ігѕм	220	
Typical Forward Voltage at 5A DC	VF	0.89	V
Maximum Forward Voltage at 5A DC	VF	0.9	
Maximum DC Reverse Current @ T <sub>J</sub> = 25°C at Rated DC Blocking Voltage @ T <sub>J</sub> = 125°C	lR	10 120	μA
I <sup>2</sup> t Rating for Fusing (t<8.3ms)	l²t	200	A <sup>2</sup> s
Typical Junction Capacitance Per Element (Note 1)	Сл	55	pF
Typical Thermal Resistance	Rejc	1.4	°C/W
Operating Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	Тѕтс		

#### Notes:

- 1. Measured at 1MHz and applied reverse voltage of 4V DC
- 2. Device mounted on 150mm × 150mm × 1.6mm Cu plate heatsink.
- 3. The typical data above is for reference only

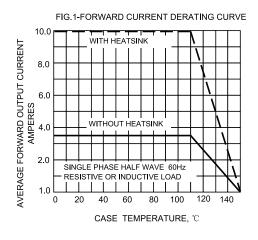
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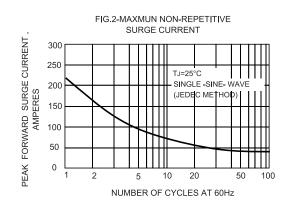


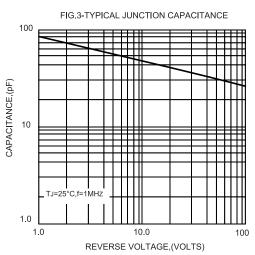
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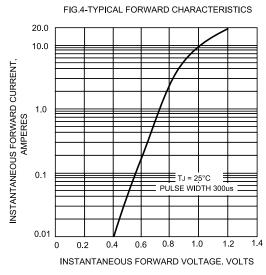


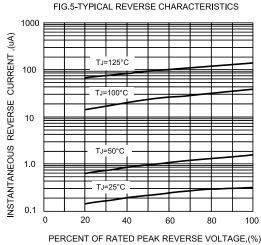
### **Rating and Characteristic Curves**











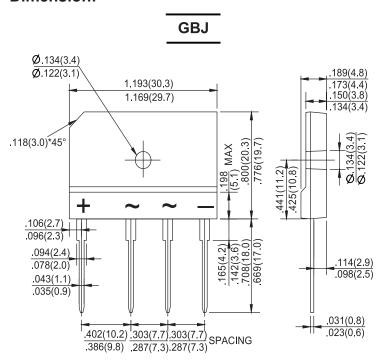
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## Glass Passivated Bridge Rectifier



### **Dimension:**



Dimensions: Inches (Millimetres)

### **Part Number Table**

Description	Part Number	
Glass Passivated Bridge Rectifier	GBJ1006U	

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