# **Bridge Rectifier**



RoHS

**Compliant** 



#### Features:

- · Glass passivated junction
- Plastic material
- Integrally moulded heatsink provide very low thermal resistance for maximum heat dissipation
- Universal 4-way terminals; snap-on, wrap-around, solder or PC board mounting
- Surge overload ratings 400A
- Terminals solderable per MIL-STD-202, Method 208
- Typical IR less than 0.2µA
- High temperature soldering guaranteed: 260°C/10 seconds/0.375 inch, (9.5mm) lead lengths
- Isolated voltage from case to lead over 2,500V

### **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%.

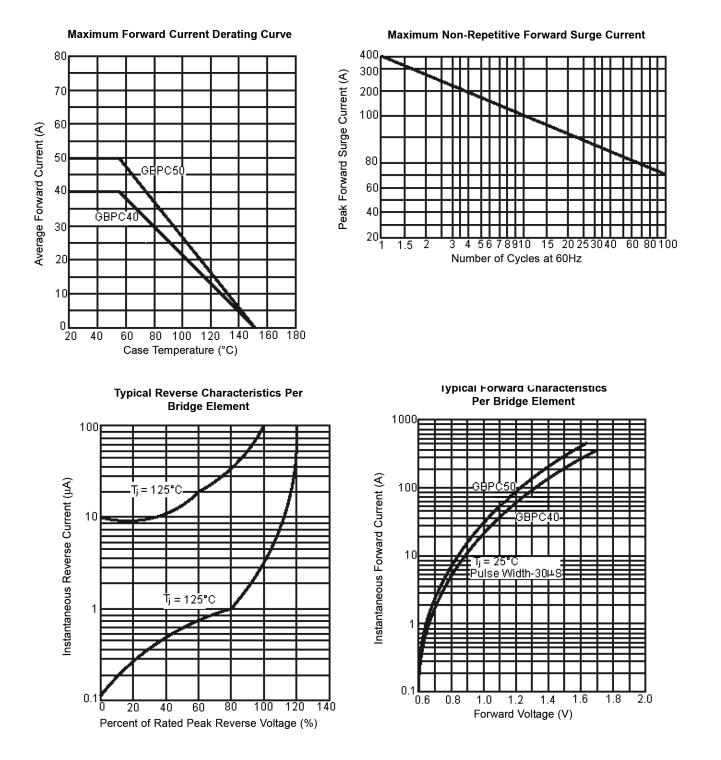
Characteristics	Symbol	GBPC5008+	GBPC5010+	Unit
Maximum Recurrent Peak Reverse Voltage	Vrrm	800	1,000	
Maximum RMS Voltage	Vrms	560	700	V
Maximum DC Blocking Voltage	VDC	800	1,000	
Maximum Average Forward Rectified Current at Tc = 55°C GBPC50	I (AV)	50		А
Peak Forward Surge Current, Single Sine-wave Superimposed on Rated Load (JEDEC method) GBPC50	Ігѕм	400		A
Maximum Instantaneous Forward Voltage Drop Per Element at Specified Current GBPC50 at 25A	VF	1	.1	V
Maximum DC Reverse Current at Rated DC Blocking Voltage Per Element	lr	10		μW
Typical Thermal Resistance (Note 1)	Rejc	1.5		°C/W
Operating and Storage Temperature Range	Tj, Tstg	-50 to +150		°C

Note: 1. Thermal Resistance from Junction to Case.





## **Ratings and Characteristic Curves**



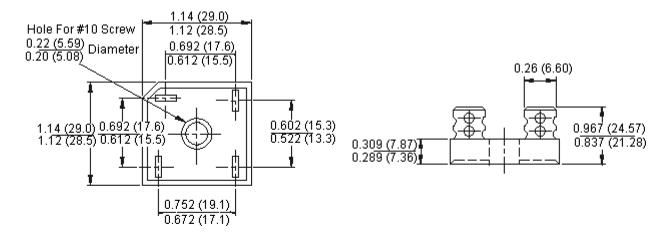
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# **Bridge Rectifier**



### **Dimensions:**



Dimensions : Inches (Millimetres)

### **Part Number Table**

Description	Part Number	
Bridge Rectifier, 50A, 800V	GBPC5008+	
Bridge Rectifier, 50A, 1,000V	GBPC5010+	

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