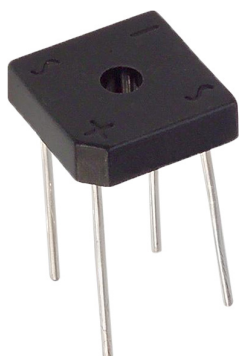


RoHS
Compliant

Applications

General purpose use in AC/DC bridge full wave rectification, for home appliances, office equipment, etc.

Features

- Glass passivated chip
- Low forward voltage drop
- Lead free

Maximum Ratings and Electrical Characteristics

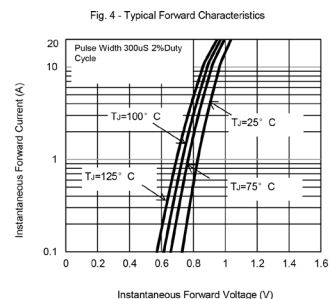
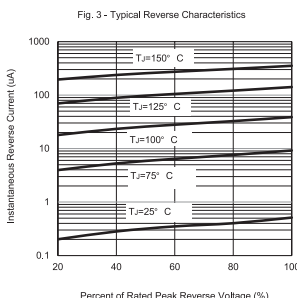
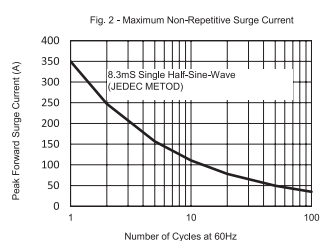
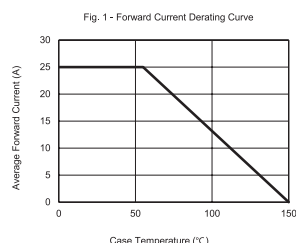
Rating at 25°C ambient temperature unless otherwise specified

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

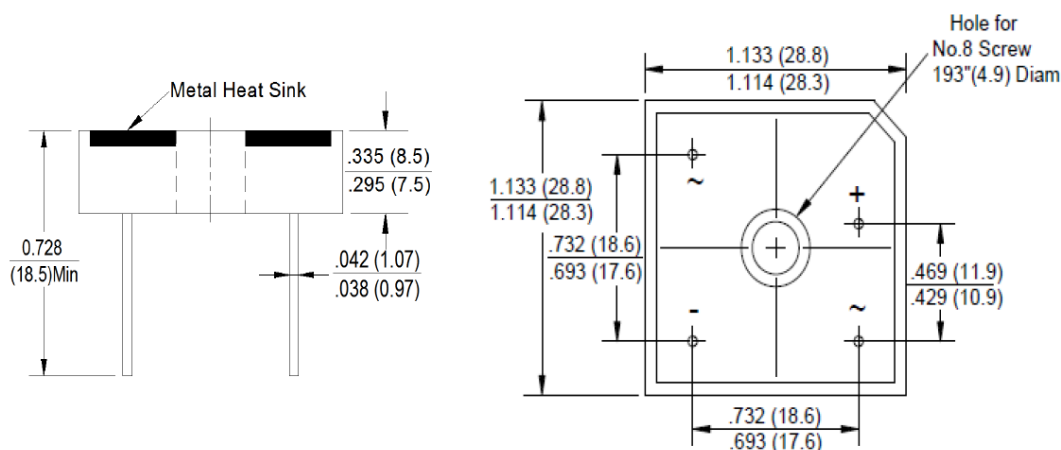
For capacitive load, derate current by 20%

Characteristics	Symbol	GBP- C1502W+	GBP- C2501W+	GBP- C2502W+	GBP- C2504W+	GBP- C2506W+	GBP- C2508W+	GBP- C2510W+	Unit
Maximum Repetitive Peak Reverse Voltage	VRRM	100	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	70	70	140	280	420	560	700	
Maximum Average Forward Rectified Current @ Tc = 55°C	I(AV)	15	25						A
Peak Forward Surge Current, 8.3mS Single Half Sine-Wave, Superimposed on Rated Load (JEDEC Method)	IFSM	300	350						
I²t Rating for Fusing (t<8.3mS)	I²t	-	508.4						
Peak Forward Voltage per Diode at 12.5A DC	VF	1.1							V
Maximum DC Reverse Current at Rated @TJ=25°C DC Blocking Voltage per Diode @TJ=125°C	IR	5						μA	
		-	500						
Operating Junction Temperature Range	TJ	-55 to +150						°C	
Storage Temperature Range	TSTG								

Rating and Characteristic Curves



Diagram



Part Number Table

Description	Part Number
Glass Passivated Bridge Rectifier, 15A, 100V	GBPC1502W+
Glass Passivated Bridge Rectifier, 25A, 100V	GBPC2501W+
Glass Passivated Bridge Rectifier, 25A, 200V	GBPC2502W+
Glass Passivated Bridge Rectifier, 25A, 400V	GBPC2504W+
Glass Passivated Bridge Rectifier, 25A, 600V	GBPC2506W+
Glass Passivated Bridge Rectifier, 25A, 800V	GBPC2508W+
Glass Passivated Bridge Rectifier, 25A, 1000V	GBPC2510W+

Dimensions : Inches (Millimetres)

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