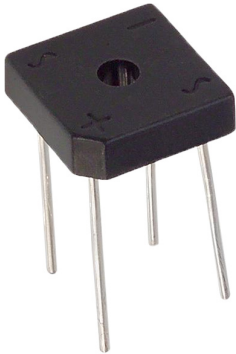


RoHS  
Compliant



## 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

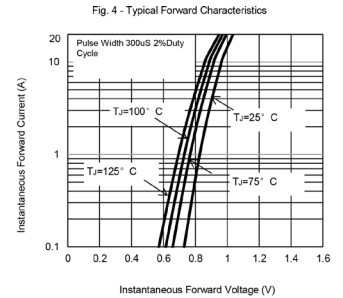
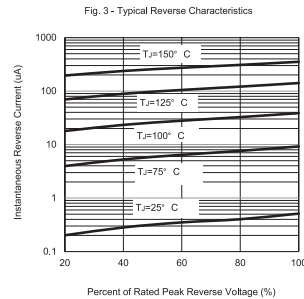
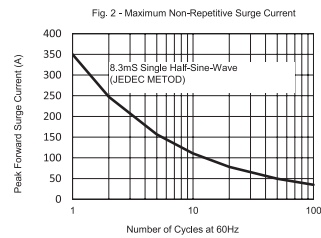
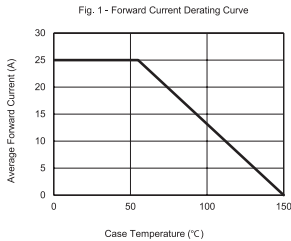
Rating at 25°C ambient temperature unless otherwise specified

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

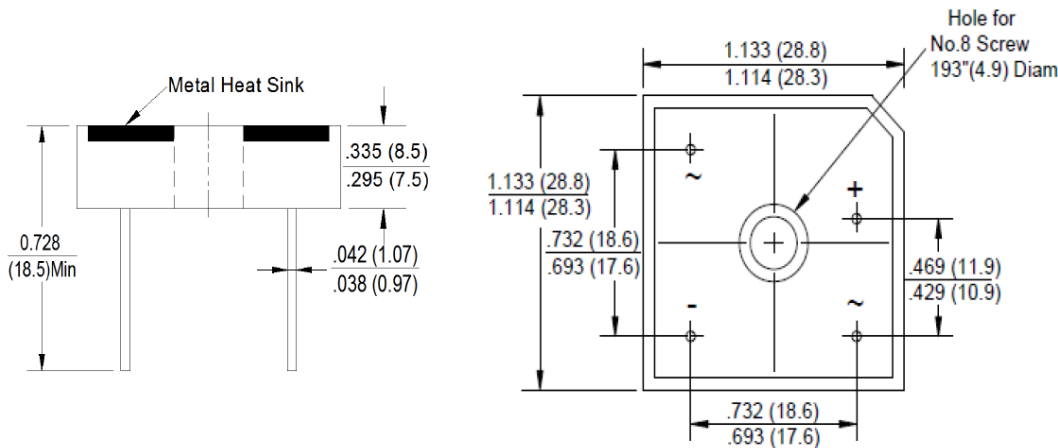
For capacitive load, derate current by 20%

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							A
I <sup>2</sup> t Rating for Fusing (t<8.3mS)	I <sup>2</sup> t	-	508.4							A <sup>2</sup> s
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)

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.