15 A GLASS PASSIVATED BRIDGE RECTIFIER

Reverse Voltage - 100 to 1000 V

Forward Current – 15 A

GBPC

Features

- Glass passivated die construction
- Low forward voltage drop
- High current capability
- High surge current capability
- Plastic material-UL flammability 94V-0
- Lead free in comply with EU RoHS 2011/65/EU directives

Mechanical Data

- Case: GBPC，molded plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Case
- Mounting Position: Any
- Marking: Type Number
- Lead Free: For RoHS / Lead Free Version

Maximum Ratings and Electrical characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.

Parameter	Symbols	GBPC 1501	GBPC 1502	GBPC 1504	GBPC 1506	GBPC 1508	GBPC 1510	Units
Peak Repetitive Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
Working Peak Reverse Voltage	V_{RWM}	70	140	280	420	560	700	V
DC Blocking Voltage	V_{RMS}	100	200	400	600	800	1000	V
Average Rectified Output Current (Note1) @TA=55 ℃	$I_{(AV)}$	15.0						A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	300						A
Forward Voltage per element @IF =7.5A	V_F	1.1						V
Peak Reverse Current @TA=25°C At Rated DC Blocking Voltage @TA=125°C	I_R	5.0 500						μA
Typical Junction Capacitance per leg	C_J	300						pF
Typical Thermal Resistance per leg (Note 2)	$R_{\theta JL}$	2.2						°C/W
Operating and Storage Temperature Range	Tj, Tstg	-55 ~ +150						°C

1.Mounted on glass epoxy PC board with 1.3mm^2 solder pad.
2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

Fig. 1 Output Current Derating Curve

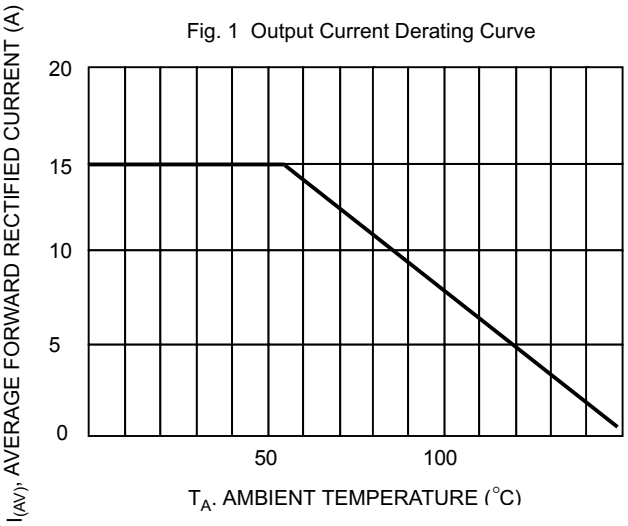


Fig. 2 Typical Forward Characteristics (per leg)

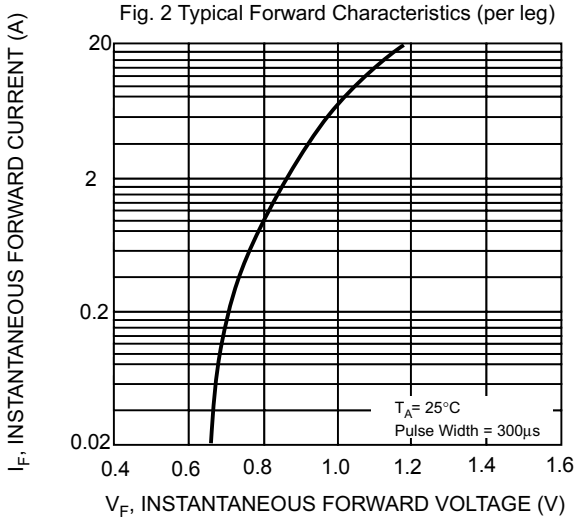


Fig. 3 Maximum Peak Forward Surge Current (per leg)

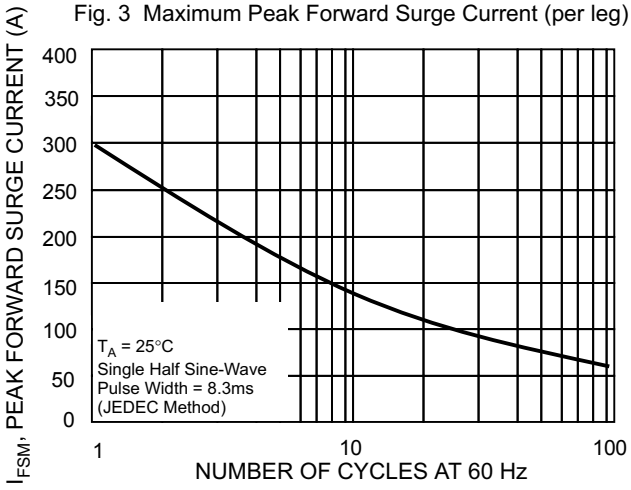
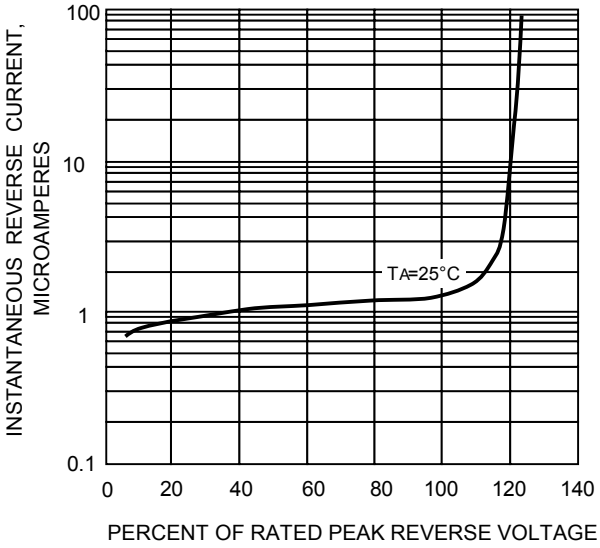
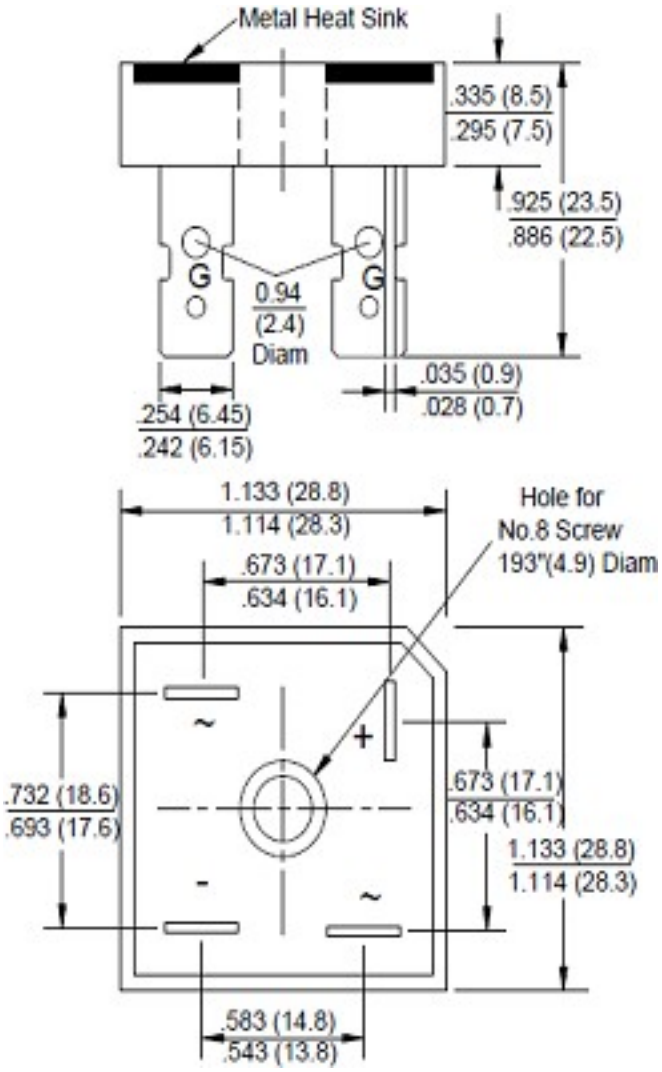


Fig. 4 Typical Junction Capacitance



Package Outline GBPC



Summary of Packing Options

Package	Packing Description	Packing Quantity	Industry Standard
GBPC	BOX	50	EIA-481-1

单击下面可查看定价，库存，交付和生命周期等信息

>>YFW(佑风微)