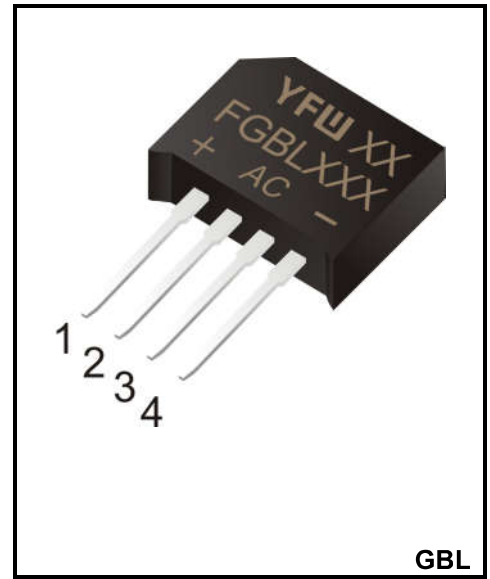


**8.0A FAST RECOVERY RECTIFIER BRIDGE**  
**Reverse Voltage – 400 to 1000 V**  
**Forward Current – 8.0A**

**FEATURES**

- ◆ Glass passivated chip
- ◆ Low Reverse Leakage Current
- ◆ High surge current capability
- ◆ Case to Terminal Isolation Voltage 2500V
- ◆ Lead free in comply with EU RoHS 2011/65/EU directives



**MECHANICAL DATA**

- ◆ Case: GBL
- ◆ Terminals: Solderable per MIL-STD-750, Method 2026
- ◆ Weight: About 2.15 grams

**Maximum Ratings and Electrical characteristics**

Ratings at 25 °C ambient temperature unless otherwise specified.

Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

Parameter	Symbols	FGBL804	FGBL806	FGBL808	FGBL810	Units
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	400	600	800	1000	V
Maximum RMS voltage	$V_{RMS}$	280	420	560	700	V
Maximum DC Blocking Voltage	$V_{DC}$	400	600	800	1000	V
Average Forward Output Rectified Current @ $T_a = 85^{\circ}C$	$I_o$	8.0				A
Forward Voltage Per Leg @ $I_{FM} = 8A$	$V_F$	1.35				V
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Superimposed on Rated Load	$I_{FSM}$	200				A
Maximum DC reverse current at rated DC blocking voltage per leg	$I_R$	5 100				$\mu A$
Maximum reverse recovery time	$T_{rr}$	150	250	500		nS
Typical Junction Capacitance (Note1)	$C_j$	60				pF
Maximum thermal resistance per	$R_{\theta JC}$	20				$^{\circ}C/W$
Rms isolation voltage from case to leads	$V_{isol}$	2500				V
Operating and Storage Temperature Range	$T_j, T_{stg}$	-55 ~ +150				$^{\circ}C$

**Ratings and Characteristic Curves**

Fig 1-forward Current derating Curve  
图1正向电流降额曲线

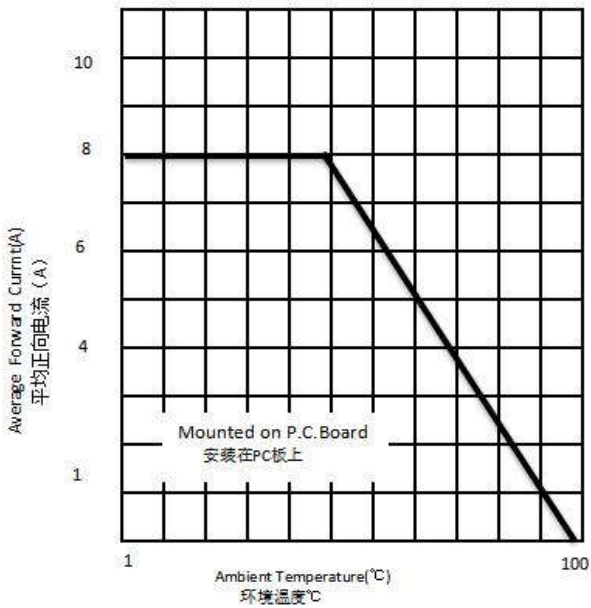


Fig. 2 - Maximum Non-Repetitive Surge Current  
图2 最大不重复正向浪涌曲线

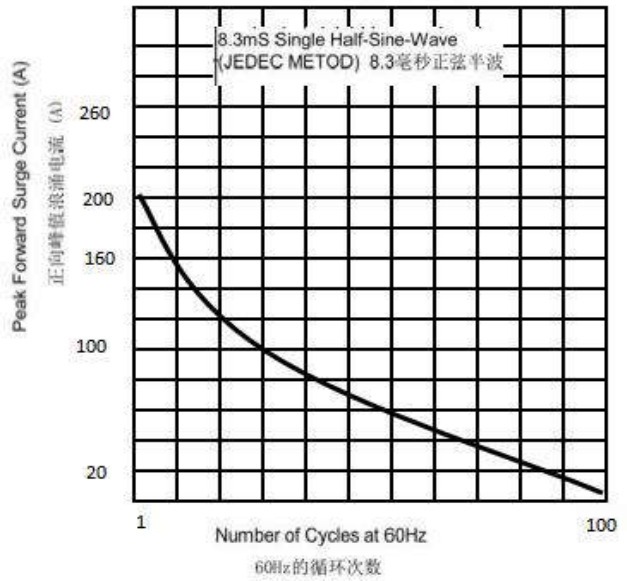


FIG.4-TYPICAL REVERSE CHARACTERISTICS

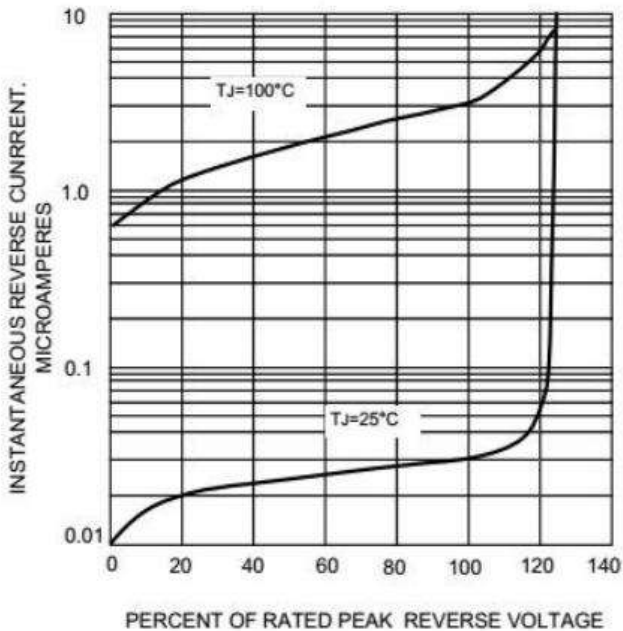
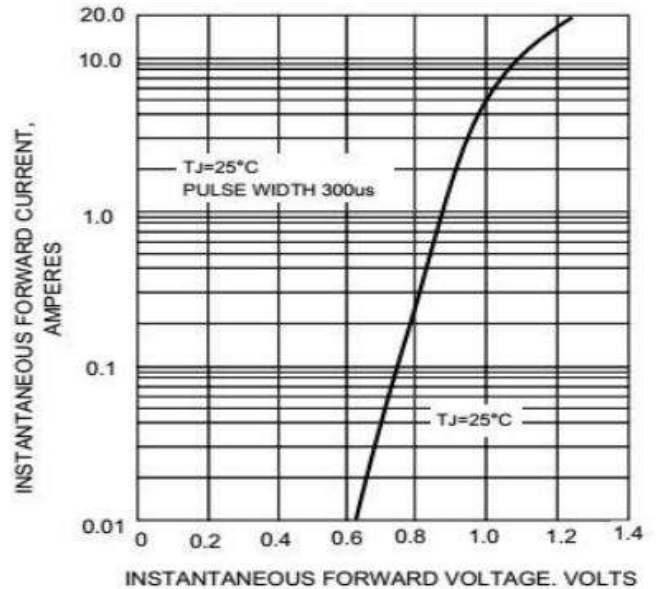


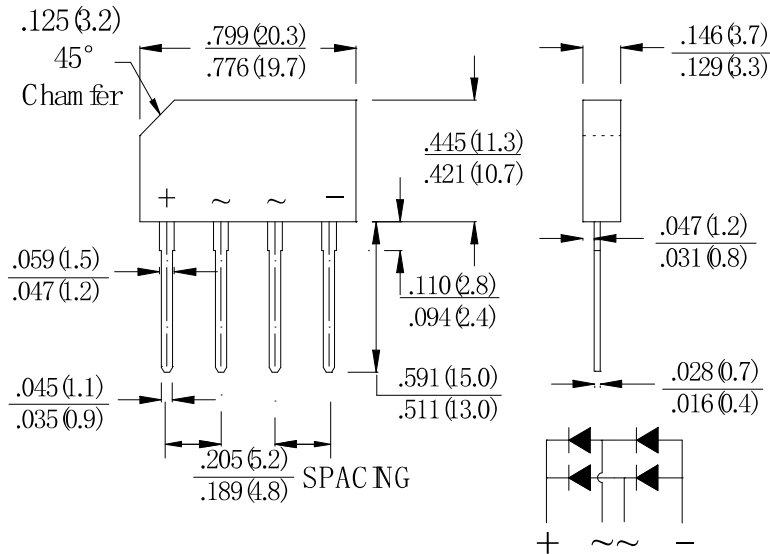
FIG.3-TYPICAL FORWARD CHARACTERISTICS



Rev. 0

**Package Outline**

**GBL**



Dimensions in inches and millimeters

**Summary of Packing Options**

Package	Packing Description	Packing Quantity	Industry Standard
GBL	BOX	500	EIA-481-1

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Bridge Rectifiers](#) category:*

*Click to view products by [YFW Electronics](#) manufacturer:*

Other Similar products are found below :

[MB2510](#) [MB252](#) [MB356G](#) [MB358G](#) [90MT160KPBF](#) [GBJ1504-BP](#) [GBU10B-BP](#) [GBU15K-BP](#) [GBU4A-BP](#) [GBU4D-BP](#) [GBU6B-E3/45](#)  
[DB101-BP](#) [DF01](#) [DF10SA-E345](#) [BU1508-E3/45](#) [BU1510-E3/45](#) [KBPC50-10S](#) [RS405GL-BP](#) [GBJ1502-BP](#) [GBU6M](#) [GSIB1520-E3/45](#)  
[2KBB10](#) [36MB140A](#) [TB102M](#) [MB1510](#) [MB86](#) [TL401G](#) [MDA920A2](#) [TU602](#) [TU810](#) [MP5010W-BP](#) [MP501W-BP](#) [MP502-BP](#)  
[BR84DTP204](#) [BU1508-E3/51](#) [KBPC25-02](#) [VS-110MT120KPBF](#) [VS-2KBB60](#) [VS-60MT120KPBF](#) [VS-60MT80KPBF](#) [DB105-BP](#) [DF1510S](#)  
[VS-40MT160PAPBF](#) [VISKBU8K-E4/51](#) [36MT100](#) [GBU4G-BP](#) [GBU6B-E3/51](#) [DF15005S-E3/77](#) [GSIB15A80-E3/45](#) [DB104-BP](#)