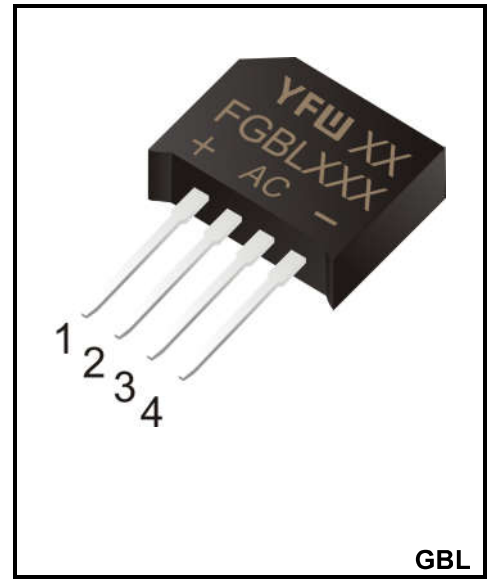


8.0A FAST RECOVERY RECTIFIER BRIDGE
Reverse Voltage – 400 to 1000 V
Forward Current – 8.0A

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 @Ta =85°C	I_o	8.0				A
Forward Voltage Per Leg @IFM =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				uA
Maximum reverse recovery time	T_{rr}	150	250	500		nS
Typical Junction Capacitance (Note1)	C_j	60				pF
Maximum thermal resistance per	R_{θJC}	20				°C/W
Rms isolation voltage from case to leads	V_{isol}	2500				V
Operating and Storage Temperature Range	T_j, T_{stg}	-55 ~ +150				°C

Ratings and Characteristic Curves

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

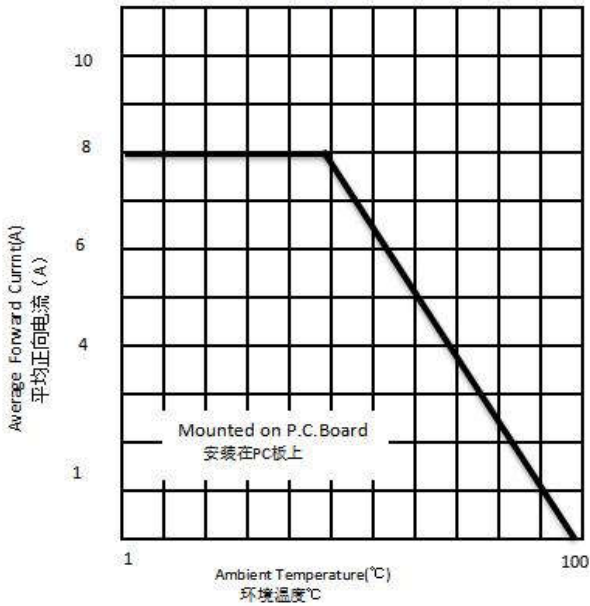


Fig. 2 - Maximum Non-Repetitive Surge Current
图2 最大不重复正向浪涌曲线

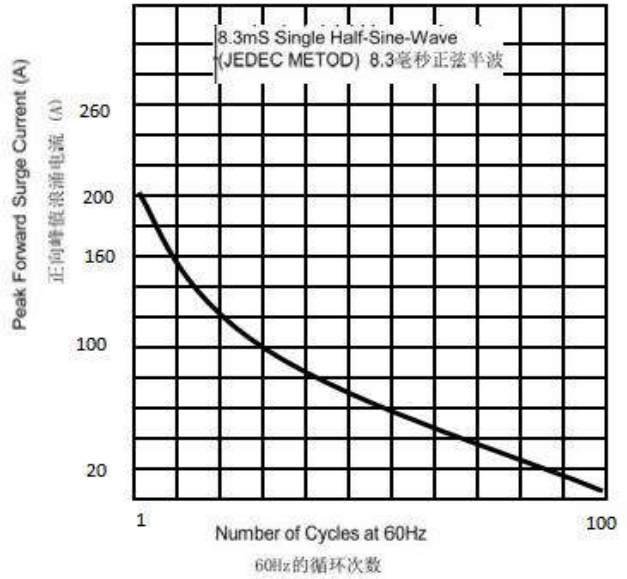


FIG.4-TYPICAL REVERSE CHARACTERISTICS

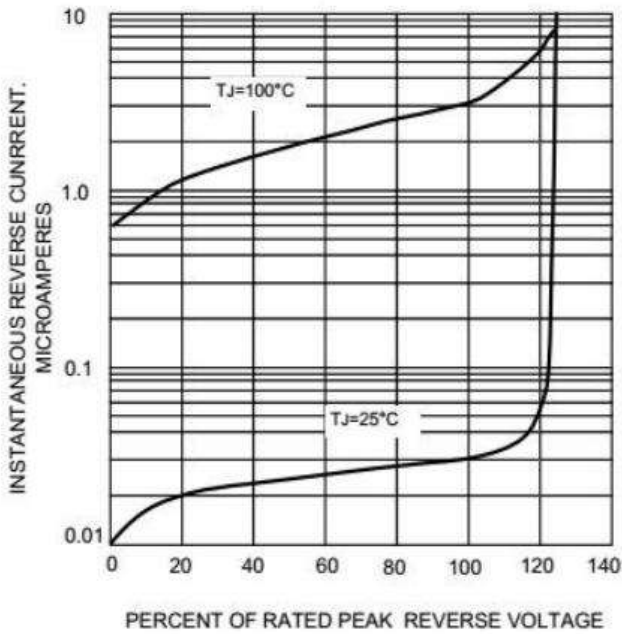
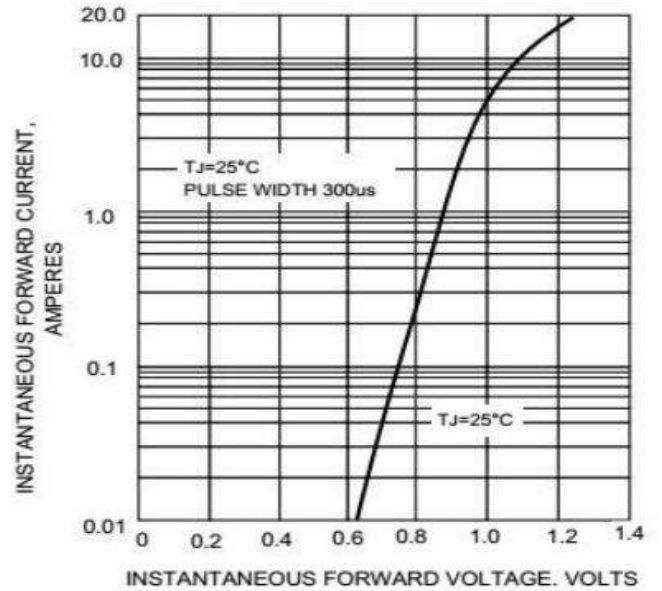


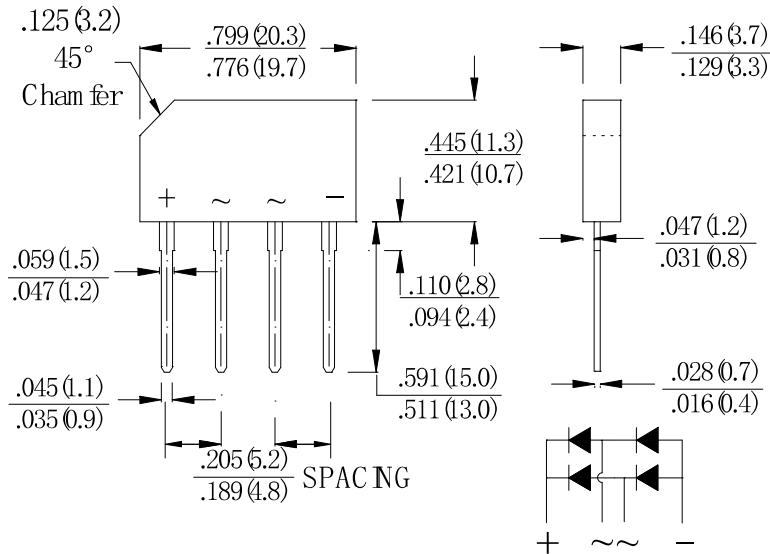
FIG.3-TYPICAL FORWARD CHARACTERISTICS



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