



25A Glass Passivated Single-Phase Bridge Rectifier

<p><b>特征/Features</b></p> <ul style="list-style-type: none"> <li>◆ GPP芯片 Glass passivated chip</li> <li>◆ 低反向漏电流 Low Reverse Leakage Current</li> <li>◆ 高耐浪涌电流能力 High surge current capability</li> <li>◆ 接线端与壳体间绝缘耐压2500V Case to Terminal Isolation Voltage 2500V</li> </ul>	<p><b>外形尺寸/Outline Dimensions</b></p> <p>Case: GBJ Series Dimensions in millimeters</p>
<p><b>机械参数/Mechanical Data</b></p> <ul style="list-style-type: none"> <li>◆ 本体: 塑封 Case: plastic package</li> <li>◆ 标识/极性: 本体标记 Marking / Polarity: Marked on Body</li> <li>◆ 重量: 约克 Weight: About 6.9 grams</li> </ul>	

**极限值/Maximum Ratings and Thermal Characteristics** @ Ta = 25°C unless otherwise noted

符号 Symbol	特性 Characteristic	GBJ25							单位 Unit
		005	01	02	04	06	08	10	
V <sub>RRM</sub>	最大反向重复峰值电压 Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
I <sub>F (AV)</sub>	平均整流输出电流 Average Forward Output Rectified Current@Ta =85°C	25							A
V <sub>F</sub>	正向峰值电压 Forward Voltage Per Leg @I <sub>FM</sub> =25A	1.1							V
I <sub>FSM</sub>	正向浪涌电流 Peak Forward Surge Current 8.3ms Single Half Sine-wave superimposed on rated load	350							A
I <sub>R</sub>	反向漏电流 Maximum DC reverse current at rated DC blocking voltage per leg	5 500							uA
i <sup>2</sup> t	热容值 Rating for fusing (t<8.3ms)	500							A <sup>2</sup> S
V <sub>isol</sub>	绝缘耐压 Rms isolation voltage from case to leads	2500							V
R <sub>θJC</sub>	热阻 Maximum thermal resistance per leg	1.0							°C/W
T <sub>j</sub> , T <sub>STG</sub>	结温, 存储条件 Operating Junction and storage temperature range	-55~150							°C

Note:

- (1) Junction to case with heatsink
- (2) Recommended mounting position is to bolt down on heatsink with silicone thermal compound for maximum heat transfer with M3 screw .



25A Glass Passivated Single-Phase Bridge Rectifier

■ 特性曲线 (典型) Characteristics(Typical)

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

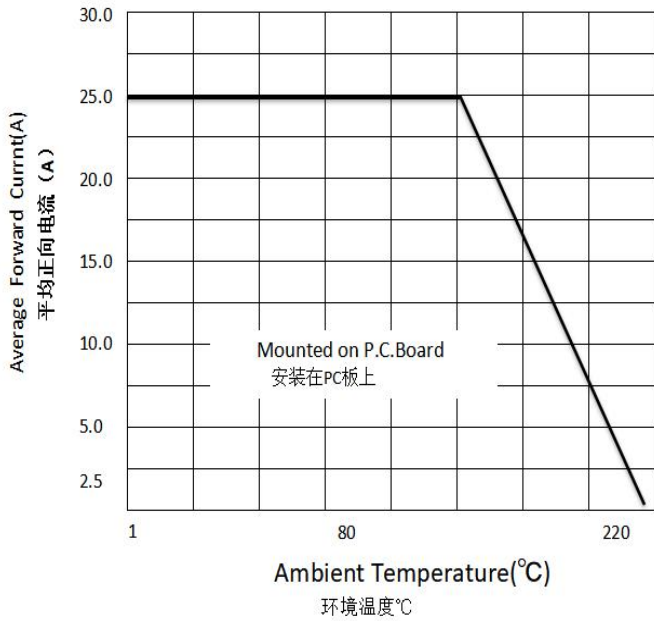


Fig.2-Maximum Non-Repetitive Surge Current  
图2 最大不重复正向浪涌曲线

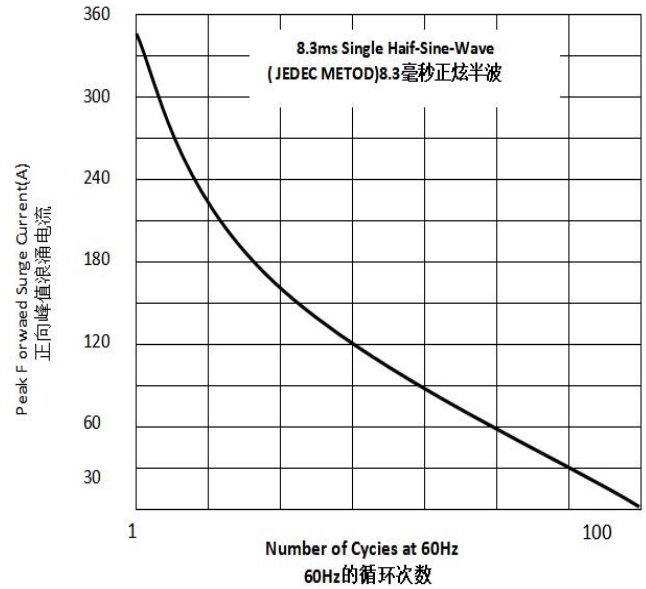


Fig.3-Typical Reverse Characteristics  
图3.典型的反向特性

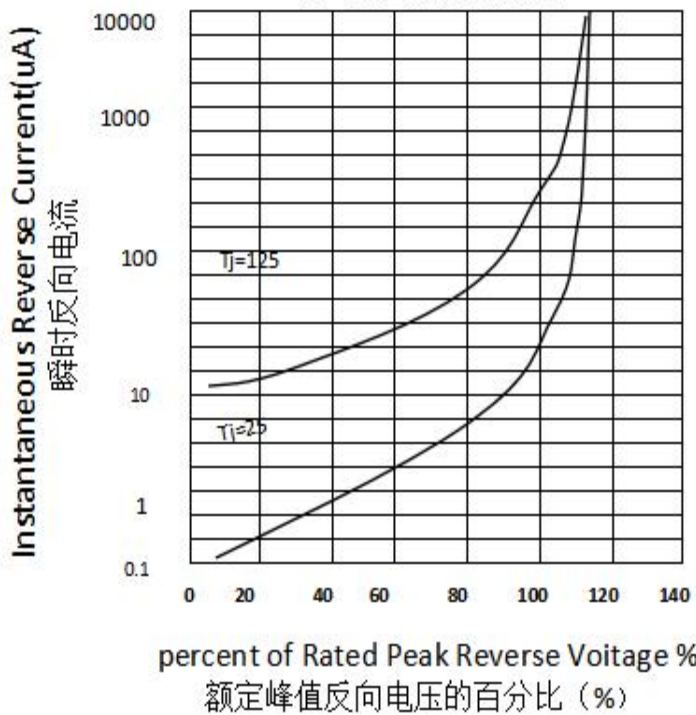
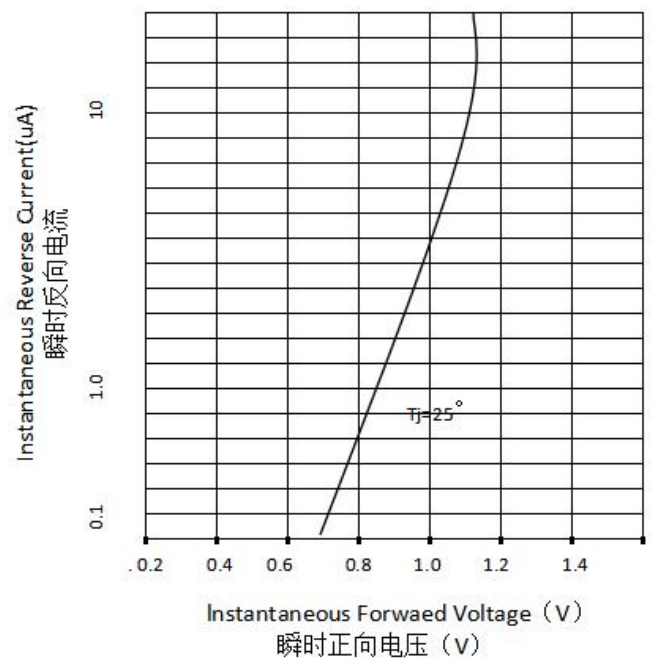


Fig.4-Typical Forward Characteristics  
图4.典型的正向特性



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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

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

Other Similar products are found below :

[MB2510](#) [MB252](#) [MB356G](#) [MB358G](#) [GBJ1504-BP](#) [GBU10B-BP](#) [GBU15K-BP](#) [GBU4A-BP](#) [GBU4D-BP](#) [DB101-BP](#) [DF01](#) [DF10SA-E345](#)  
[KBPC50-10S](#) [RS405GL-BP](#) [GBJ1502-BP](#) [GBU6M](#) [TB102M](#) [MB1510](#) [MB86](#) [TL401G](#) [MDA920A2](#) [TU602](#) [TU810](#) [MP5010W-BP](#)  
[MP501W-BP](#) [MP502-BP](#) [KBPC25-02](#) [VBO160-12NO7](#) [VS-110MT120KPBF](#) [VS-60MT80KPBF](#) [DB105-BP](#) [DF1510S](#) [VS-](#)  
[40MT160PAPBF](#) [GBU4G-BP](#) [GSIB15A80-E3/45](#) [DB104-BP](#) [D3SB60](#) [TB354](#) [GBJ2504-BP](#) [26MB100A](#) [B1S-G](#) [VS-40MT160KPBF](#)  
[VUO162-16NO7](#) [ABS10-G](#) [GBU6B-BP](#) [GBJ1508-BP](#) [BR5010-G](#) [ABS6-G](#) [B125C800G-E4/51](#) [MSB15MH-13](#)