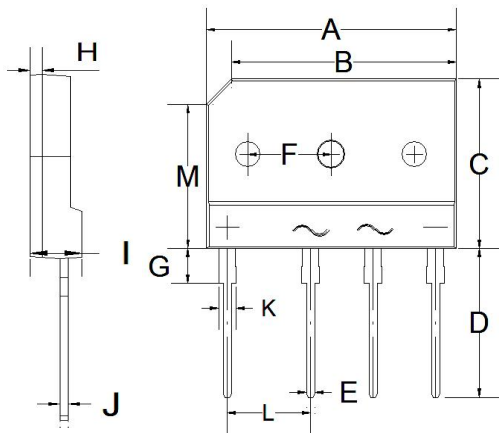


25A Glass Passivated Single-Phase Bridge Rectifier

特征/Features	外形尺寸/Outline Dimensions			
◆ GPP芯片 Glass passivated chip ◆ 低反向漏电流 Low Reverse Leakage Current ◆ 高耐浪涌电流能力 High surge current capability ◆ 接线端与壳体间绝缘耐压2500V Case to Terminal Isolation Voltage 2500V	Case: GBJ Series Dimensions in millimeters 	序号	Min(mm)	MAX(mm)
		A	29.8	30.2
		B	24.68	28.68
		C	19.8	20.2
D		17.4	17.8	
E		0.95	1.05	
F		9.8	10.2	
G		3.9	4.2	
H		0.85	1.3	
I		4.4	4.8	
J		0.5	0.8	
K		1.8	2.4	
L		9.8	10.2	
M		16.4	17.0	
机械参数/Machanical Data				
◆ 本体：塑封 Case: plastic package ◆ 标识/极性：本体标记 Marking / Polarity: Marked on Body ◆ 重量：约克 Weight: About 6.9 grams				

极限值/Maximum Ratings and Thermal Characteristics @ Ta = 25℃ unless otherwise noted

符号 Symbol	特性 Characteristic	GBJ25							单位 Unit
		005	01	02	04	06	08	10	
V _{RRM}	最大反向重复峰值电压 Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
I _F (AV)	平均整流输出电流 Average Forward Output Rectified Current@Ta=120℃	25							A
V _F	正向峰值电压 Forward Voltage Per Leg @I _{FM} =25.0A	1.1							V
I _{FSM}	正向浪涌电流 Peak Forward Surge Current 8.3ms Single Half Sine-wave superimposed on rated load	350							A
I _R	反向漏电流 Maximum DC reverse current at rated Ta = 25℃ DC blocking voltage per leg Ta = 125℃	5 500							uA
i ² t	热容值 Rating for fusing (t<8.3ms)	508							A ² S
V _{isol}	绝缘耐压 Rms isolation voltage from case to leads	2500							V
C _J	典型结电容 Typical Junction Capacitance	118							pF
R _{θJC}	热阻 Maximum thermal resistance per leg	1.0							℃/W
T _J , T _{STG}	结温， 存储条件 Operating Junction and storage temperature range	-55~150							℃

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

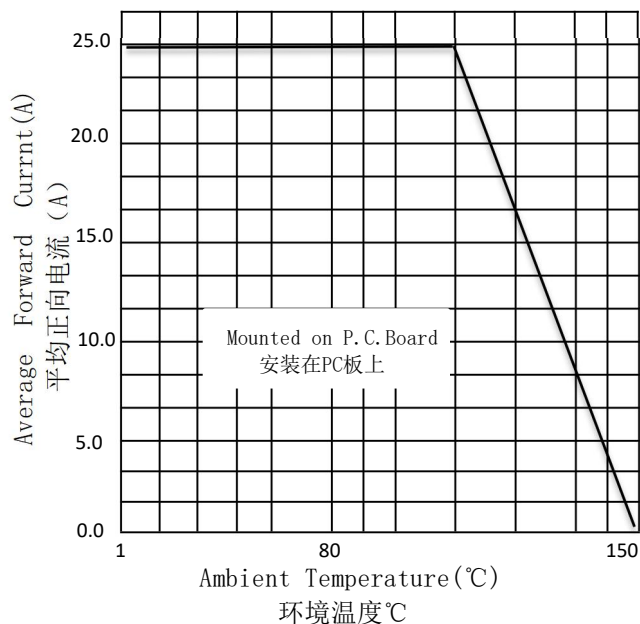


Fig.2-Maximum Non-Repetitive Surge Current

图2 最大不重复正向浪涌曲线

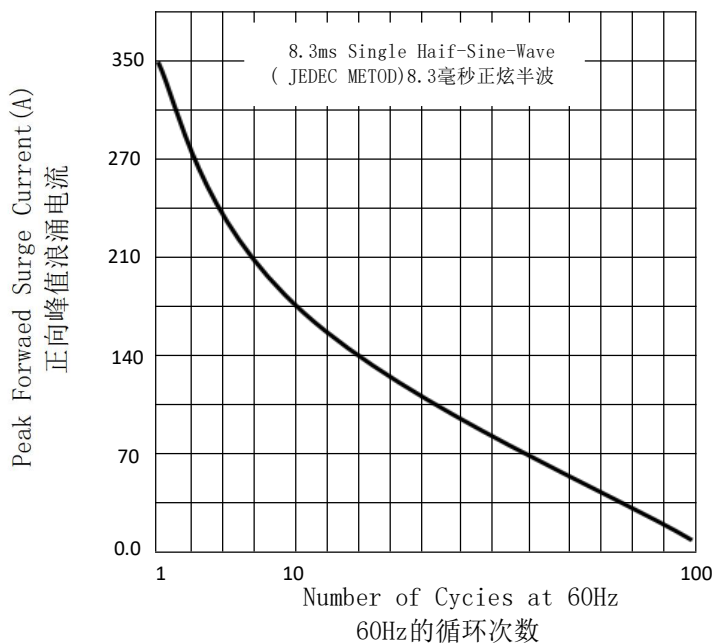


Fig.3-Typical Reverse Characteristics

图3. 典型的反向特性

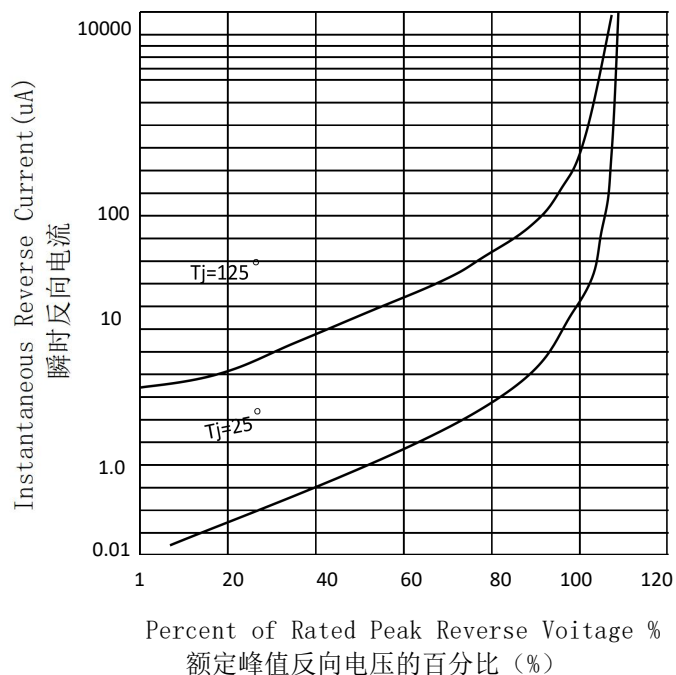


Fig.4-Typical Forward Characteristics

图4. 典型的正向特性

