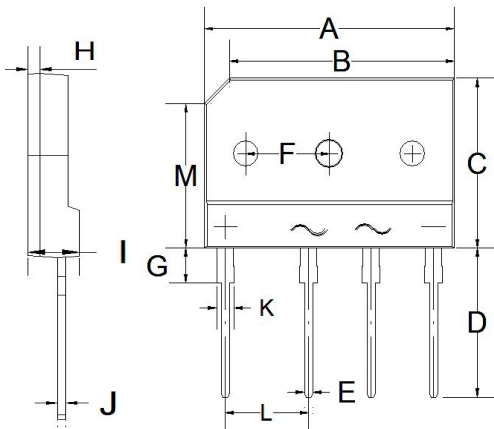


50A Glass Passivated Single-Phase Bridge Rectifier

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 	<table><tr><th>序号</th><th>Min(mm)</th><th>MAX(mm)</th></tr><tr><td>A</td><td>29.8</td><td>30.2</td></tr><tr><td>B</td><td>24.68</td><td>28.68</td></tr><tr><td>C</td><td>19.8</td><td>20.2</td></tr><tr><td>D</td><td>17.4</td><td>17.8</td></tr><tr><td>E</td><td>0.95</td><td>1.05</td></tr><tr><td>F</td><td>9.8</td><td>10.2</td></tr><tr><td>G</td><td>3.9</td><td>4.2</td></tr><tr><td>H</td><td>0.85</td><td>1.3</td></tr><tr><td>I</td><td>4.4</td><td>4.8</td></tr><tr><td>J</td><td>0.5</td><td>0.8</td></tr><tr><td>K</td><td>1.8</td><td>2.4</td></tr><tr><td>L</td><td>9.8</td><td>10.2</td></tr><tr><td>M</td><td>16.4</td><td>17.0</td></tr></table>	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
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◆ 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 6.9grams																																												

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

符号 Symbol	特性 Characteristic	GBJ50							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℃	50							A
V _F	正向峰值电压 Forward Voltage Per Leg @I _{FM} =25.0A	1.03							V
I _{FSM}	正向浪涌电流 Peak Forward Surge Current 8.3ms Single Half Sine-wave superimposed on rated load	580							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)	1396							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	160							pF
R _{θJC}	热阻 Maximum thermal resistance per leg	0.8							℃/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 .

50A 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

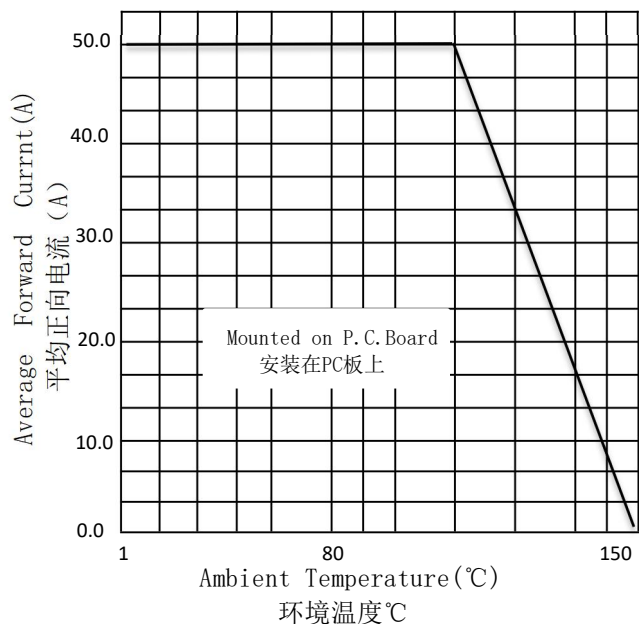


Fig.2-Maximum Non-Repetitive Surge Current

图2 最大不重复正向浪涌曲线

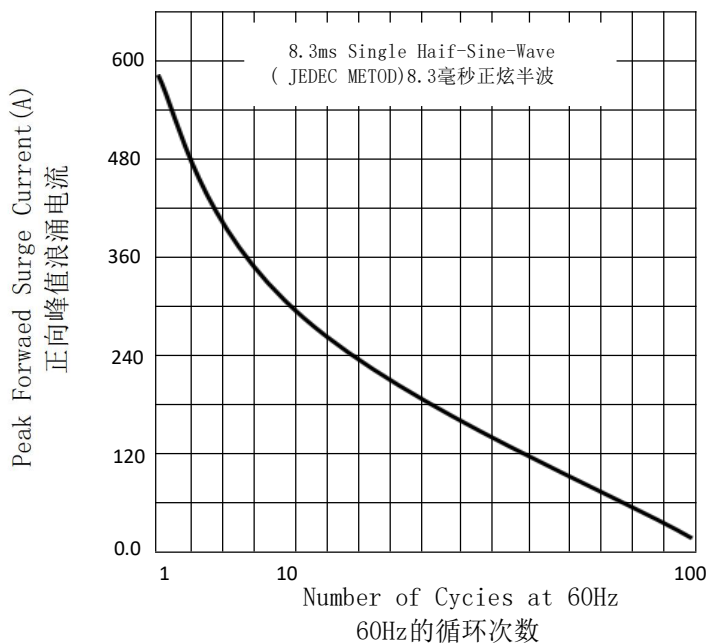


Fig.3-Typical Reverse Characteristics

图3. 典型的反向特性

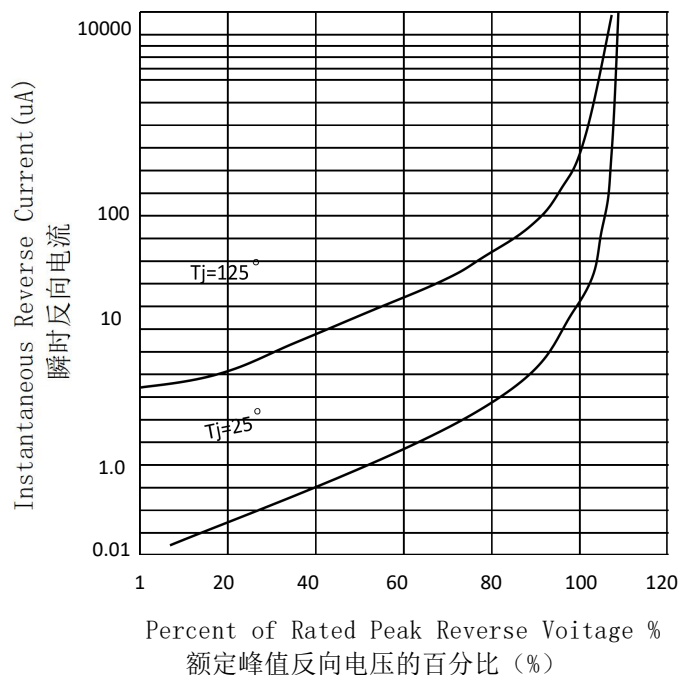


Fig.4-Typical Forward Characteristics

图4. 典型的正向特性

