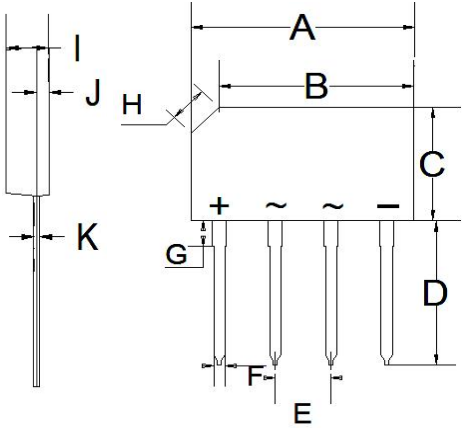




8A Glass Passivated Single-Phase Bridge Rectifier

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: GBL Series Dimensions in millimeters 	<table><tr><th>序号</th><th>Min(mm)</th><th>MAX(mm)</th></tr><tr><td>A</td><td>19.7</td><td>20.3</td></tr><tr><td>B</td><td>17.2</td><td>17.7</td></tr><tr><td>C</td><td>10.7</td><td>11.2</td></tr><tr><td>D</td><td>13.7</td><td>14.2</td></tr><tr><td>E</td><td>4.8</td><td>5.2</td></tr><tr><td>F</td><td>0.95</td><td>1.05</td></tr><tr><td>G</td><td>2.3</td><td>2.7</td></tr><tr><td>H</td><td>3.3</td><td>3.8</td></tr><tr><td>I</td><td>3.3</td><td>3.7</td></tr><tr><td>J</td><td>0.95</td><td>1.05</td></tr><tr><td>K</td><td>0.45</td><td>0.55</td></tr></table>	序号	Min(mm)	MAX(mm)	A	19.7	20.3	B	17.2	17.7	C	10.7	11.2	D	13.7	14.2	E	4.8	5.2	F	0.95	1.05	G	2.3	2.7	H	3.3	3.8	I	3.3	3.7	J	0.95	1.05	K	0.45	0.55
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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 2.2grams																																						

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

符号 Symbol	特性 Characteristic	GBL8							单位 Unit
		005	01	02	04	06	08	10	
VRRM	最大反向重复峰值电压 Maxmum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
IF (AV)	平均整流输出电流 Average Forward Output Rectified Current@Ta =120℃	8							A
VF	正向峰值电压 Forward Voltage Per Leg @IFM =8.0A	1.05							V
IFSM	正向浪涌电流 Peak Forward Surge Current 8.3ms Single Half Sine-wave superimposed on rated load	210							A
IR	反向漏电流 Maximum DC reverse current at rated Ta = 25℃ DC blocking voltage per leg Ta = 125℃	5 500							uA
i²t	热容值 Rating for fusing (t<8.3ms)	183							A²S
Visol	绝缘耐压 Rms isolation voltage from case to leads	2500							V
CJ	典型结电容 Typical Junction Capacitance	50							pF
RθJC	热阻 Maximum thermal resistance per leg	2							℃/W
Tj, TSTG	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 .



8A 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

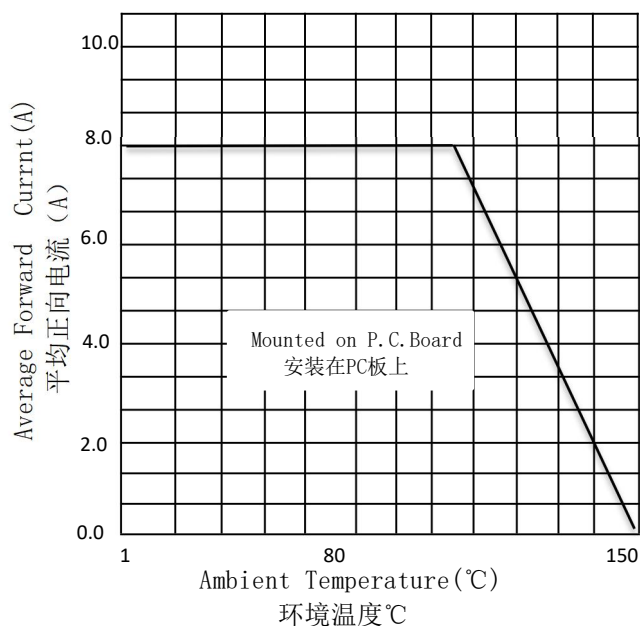


Fig.2-Maximum Non-Repetitive Surge Current

图2 最大不重复正向浪涌曲线

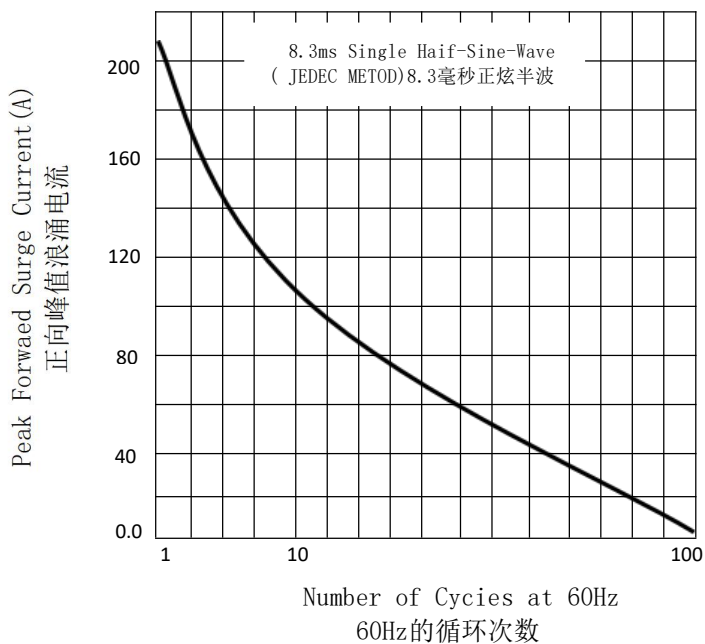


Fig.3-Typical Reverse Characteristics

图3. 典型的反向特性

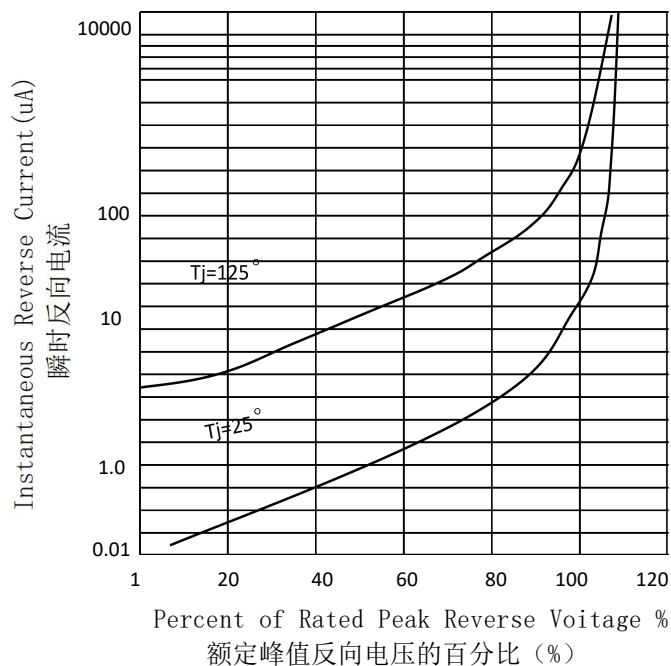


Fig.4-Typical Forward Characteristics

图4. 典型的正向特性

