

特征/Features	外形尺寸/Outline Dimensions																																					
<ul style="list-style-type: none"> ◆ 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 border="1"> <thead> <tr> <th>序号</th> <th>Min(mm)</th> <th>MAX(mm)</th> </tr> </thead> <tbody> <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> </tbody> </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
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																																				
机械参数/Machanical Data																																						
<ul style="list-style-type: none"> ◆ 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°C unless otherwise noted

符号 Symbol	特性 Characteristic	GBL6							单位 Unit
		005	01	02	04	06	08	10	
V _{RRM}	最大反向重复峰值电压 Maxmum 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°C	6							A
V _F	正向峰值电压 Forward Voltage Per Leg @IFM =6.0A	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	160							A
I _R	反向漏电流 Maximum DC reverse current at rated DC blocking voltage per leg	5 500							uA
i ² t	热容值 Rating for fusing (t<8.3ms)	106							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	42							pF
R _{θJC}	热阻 Maximum thermal resistance per leg	4.2							°C/W
T _j , T _{STG}	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 .

◆ 特性曲线 (典型) Characteristics(Typical)

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

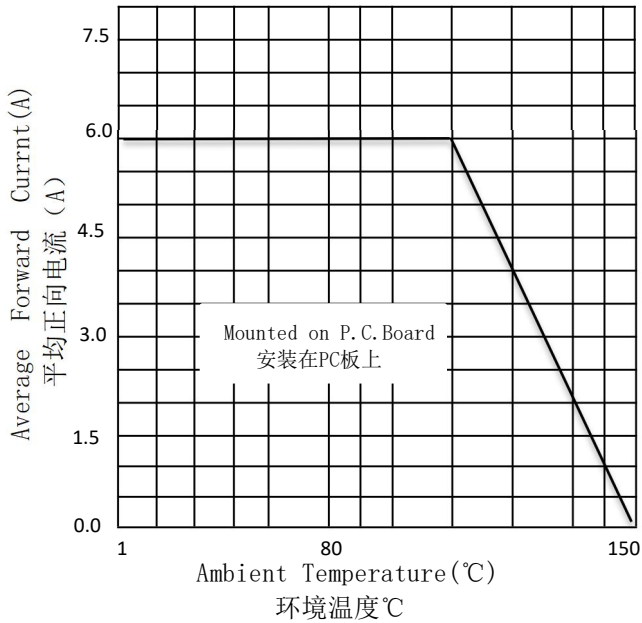


Fig.2-Maximum Non-Repetitive Surge Current
图2 最大不重复正向浪涌曲线

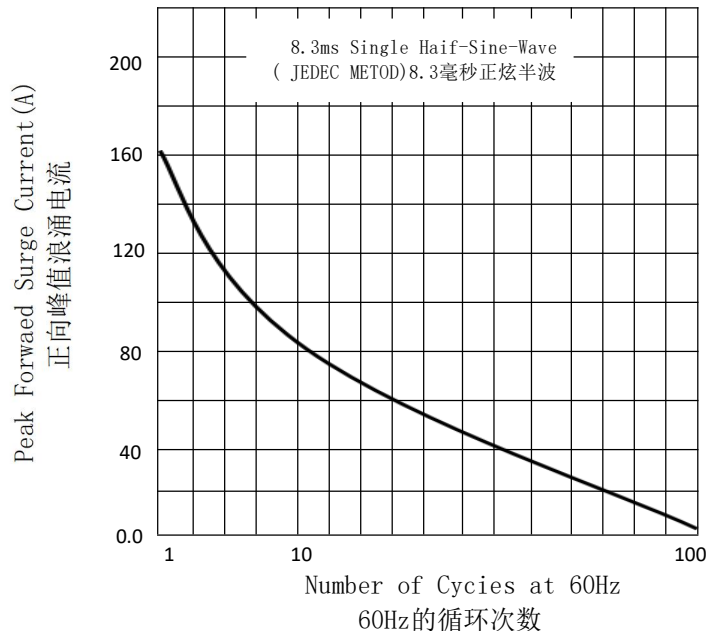


Fig.3-Typical Reverse Characteristics
图3. 典型的反向特性

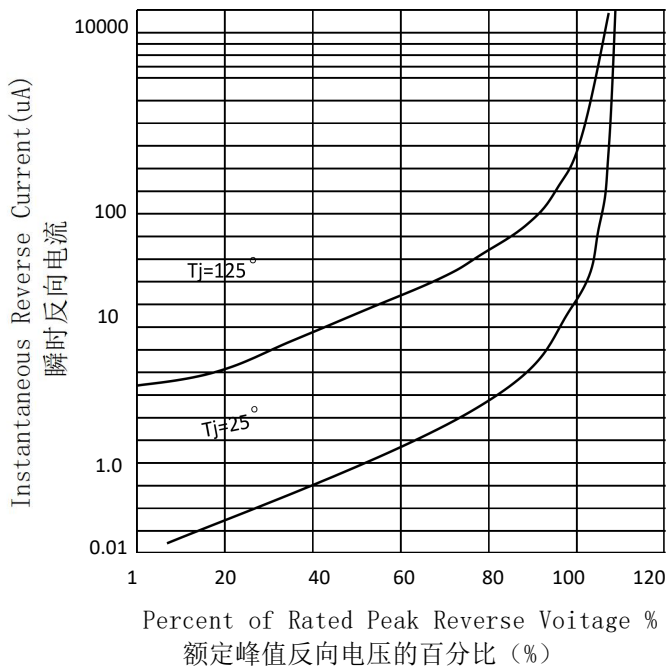


Fig.4-Typical Forward Characteristics
图4. 典型的正向特性

