

CURRENT 8.0 Ampere
VOLTAGE RANG 1400 Volts

CBU814

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 	<p>Case: GBU Series Dimensions in millimeters</p> <p style="text-align: right;">单位: mm</p>
机械参数/Mechanical 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 3.85grams 	

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

符号 Symbol	特性 Characteristic	GBU8								单位 Unit
		02	04	06	08	10	12	14		
V _{RRM}	最大反向重复峰值电压 Maximum Recurrent Peak Reverse Voltage	200	400	600	800	1000	1200	1400		V
I _{F(AV)}	平均整流输出电流 Average Forward Output Rectified Current@Ta=85°C	8								A
V _F	正向峰值电压 Forward Voltage Per Leg @I _{FM} =8.0A	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	200								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)	166								A ² S
V _{isol}	绝缘耐压 Rms isolation voltage from case to leads	2500								V
R _{θJC}	热阻 Maximum thermal resistance per leg	2.2								°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 .

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■ 特性曲线 (典型) **Characteristics(Typical)**

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

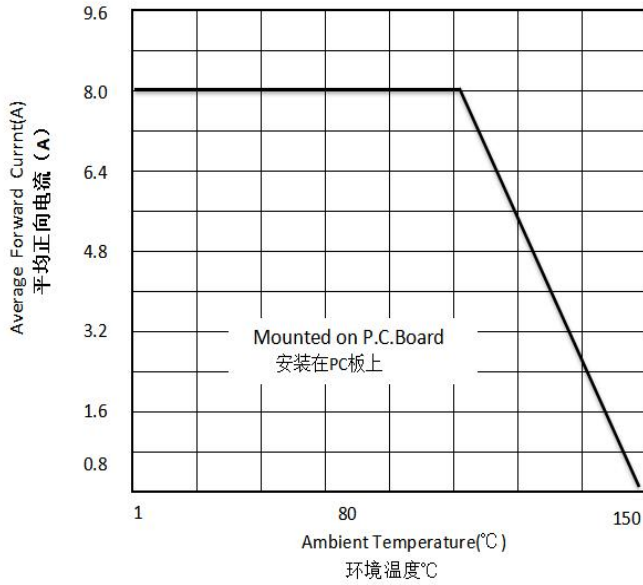


Fig.2-Maximum Non-Repetitive Surge Current
 图2 最大不重复正向浪涌曲线

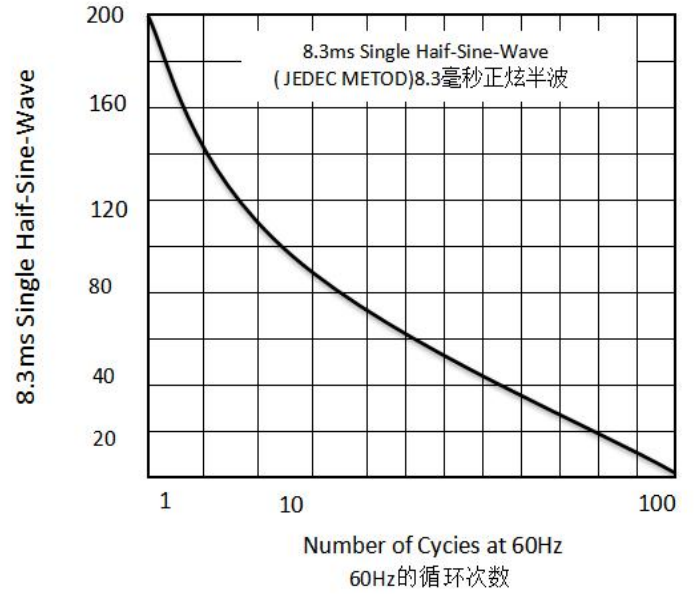


Fig.3-Typical Reverse Characteristics
 图3.典型的反向特性

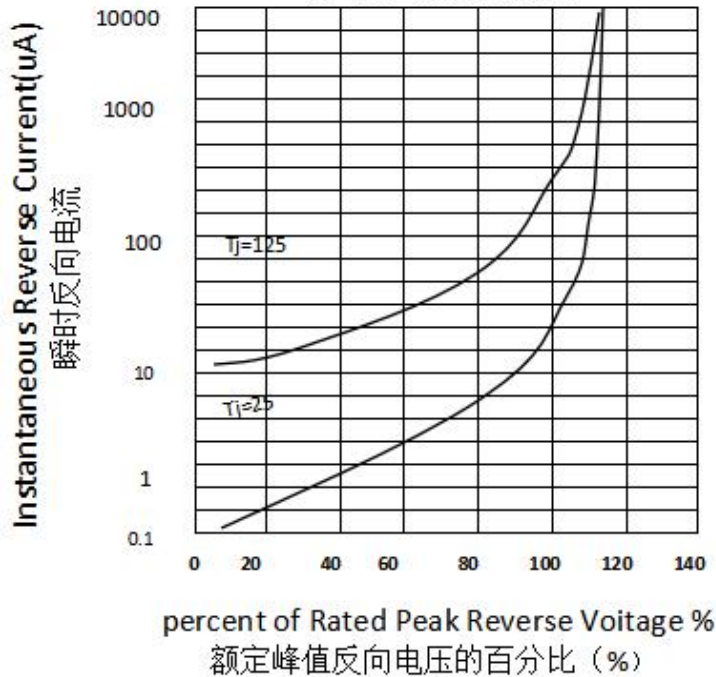


Fig.4-Typical Forward Characteristics
 图4.典型的正向特性

