6A Glass Passivated Single-Phase Bridge Rectifier

特征/Features

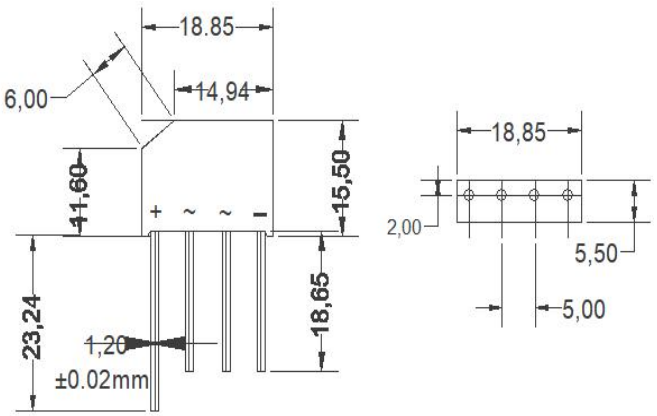
- GPP芯片
  Glass passivated chip
- 低反向漏电流
  Low Reverse Leakage Current
- 高耐浪涌电流能力
  High surge current capability

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 4.2grams

外形尺寸/Outline Dimensions

Case: KBL Series
Dimensions in inches and millimeters



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

符号 Symbol	特性 Characteristic	KBL6 005	01	02	04	06	08	10	单位 Unit
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 =85℃	6							A
V_F	正向峰值电压 Forward Voltage Per Leg @I_{FM} =6.0A	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	160							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^2t	热容值 Rating for fusing (t<8.3ms)	106							A^2S
$R_{\theta JC}$	热阻 Maximum thermal resistance per leg	19							℃/W
Tj, 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 .

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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

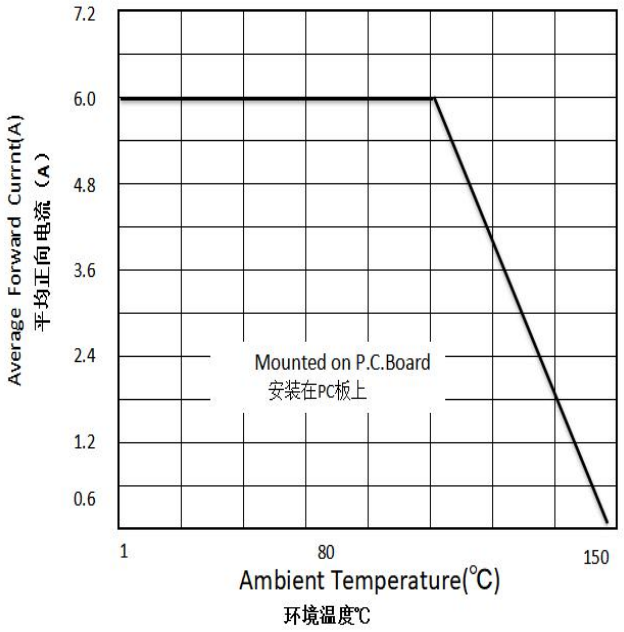

Fig.2-Maximum Non-Repetitive Surge Current
图2 最大不重复正向浪涌曲线

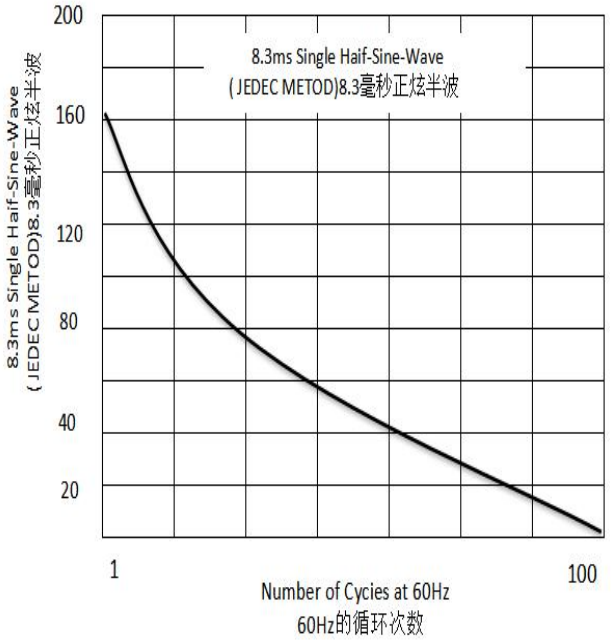

Fig.3-Typical Reverse Characteristics
图3.典型的反向特性

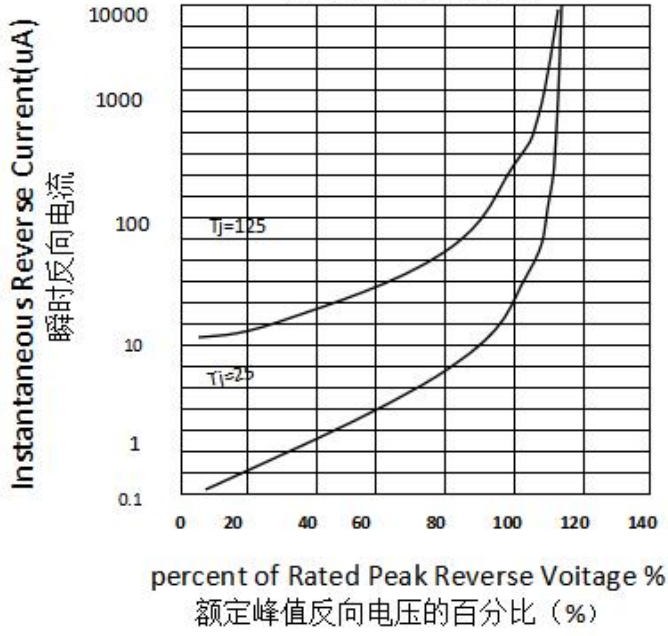

Fig.4-Typical Forwaed Characteristics
图4.典型的正向特性