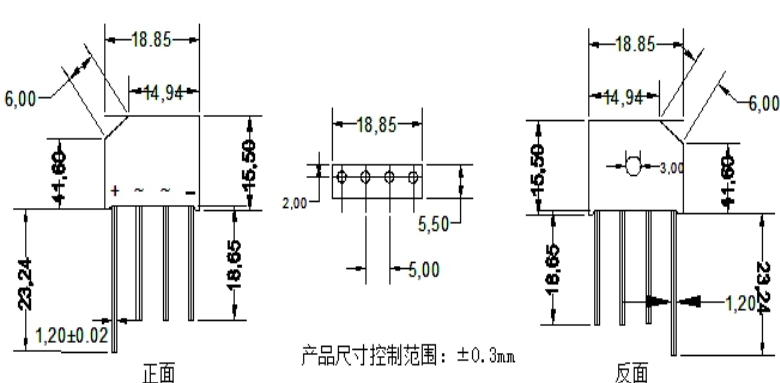




6A Glass Passivated Single-Phase Bridge Rectifier

| 特征/Features                                                                                                                                                                                                                                                     | 外形尺寸/Outline Dimensions                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>◆ GPP芯片<br/>Glass passivated chip</li><li>◆ 低反向漏电流<br/>Low Reverse Leakage Current</li><li>◆ 高耐浪涌电流能力<br/>High surge current capability</li><li>◆ 接线端与壳体间绝缘耐压2500V<br/>Case to Terminal Isolation Voltage 2500V</li></ul> | <b>Case: KBL Series</b><br><br>Dimensions in millimeters<br> |
| 机械参数/Machanical Data                                                                                                                                                                                                                                            |                                                                                                                                                |
| <ul style="list-style-type: none"><li>◆ 本体: 塑封<br/>Case: plastic package</li><li>◆ 标识/极性: 本体标记<br/>Marking / Polarity: Marked on Body</li><li>◆ 重量: 约克<br/>Weight: About 4.2 grams</li></ul>                                                                    |                                                                                                                                                |

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

| 符号<br>Symbol                      | 特性 Characteristic                                                                              | KBL6     |     |     |     |     |     |      | 单位<br>Unit       |
|-----------------------------------|------------------------------------------------------------------------------------------------|----------|-----|-----|-----|-----|-----|------|------------------|
|                                   |                                                                                                | 005      | 01  | 02  | 05  | 06  | 08  | 10   |                  |
| V <sub>RRM</sub>                  | 最大反向重复峰值电压<br>Maxumum Recurrent Peak Reverse Voltage                                           | 50       | 100 | 200 | 400 | 600 | 800 | 1000 | V                |
| I <sub>F</sub> (AV)               | 平均整流输出电流<br>Average Forward Output Rectified Current@Ta =85℃                                   | 6        |     |     |     |     |     |      | A                |
| V <sub>F</sub>                    | 正向峰值电压<br>Forward Voltage Per Leg @I <sub>FM</sub> =6.0A                                       | 1.1      |     |     |     |     |     |      | V                |
| I <sub>FSM</sub>                  | 正向浪涌电流<br>Peak Forward Surge Current 8.3ms Single Half Sine-wave superimposed on rated load    | 125      |     |     |     |     |     |      | A                |
| I <sub>R</sub>                    | 反向漏电流<br>Maximum DC reverse current at rated DC blocking voltage per leg Ta = 25℃<br>Ta = 125℃ | 5<br>500 |     |     |     |     |     |      | uA               |
| i <sup>2</sup> t                  | 热容值<br>Rating for fusing (t<8.3ms)                                                             | 64       |     |     |     |     |     |      | A <sup>2</sup> S |
| V <sub>isol</sub>                 | 绝缘耐压<br>Rms isolation voltage from case to leads                                               | 2500     |     |     |     |     |     |      | V                |
| C <sub>J</sub>                    | 典型结电容<br>Typical Junction Capacitance                                                          | 38       |     |     |     |     |     |      | pF               |
| R <sub>θJC</sub>                  | 热阻<br>Maximum thermal resistance per leg                                                       | 4.2      |     |     |     |     |     |      | ℃/W              |
| T <sub>j</sub> , T <sub>STG</sub> | 结温, 存储条件<br>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 .



## 6A 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

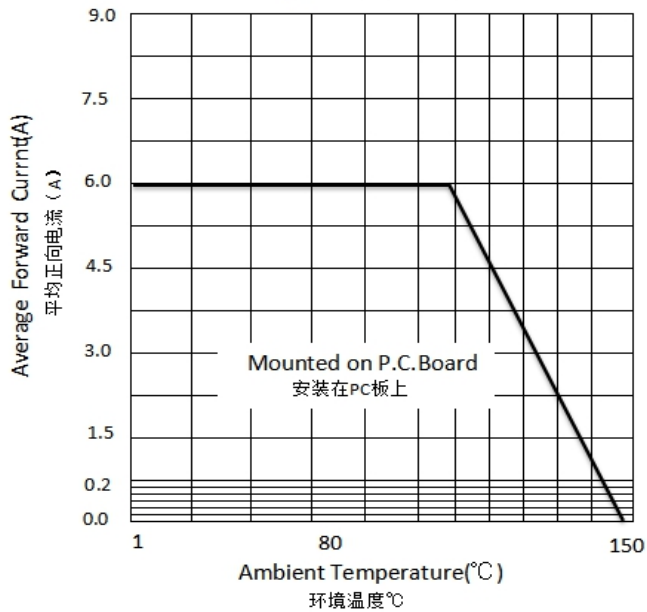


Fig.2-Maximum Non-Repetitive Surge Current

图2 最大不重复正向浪涌曲线

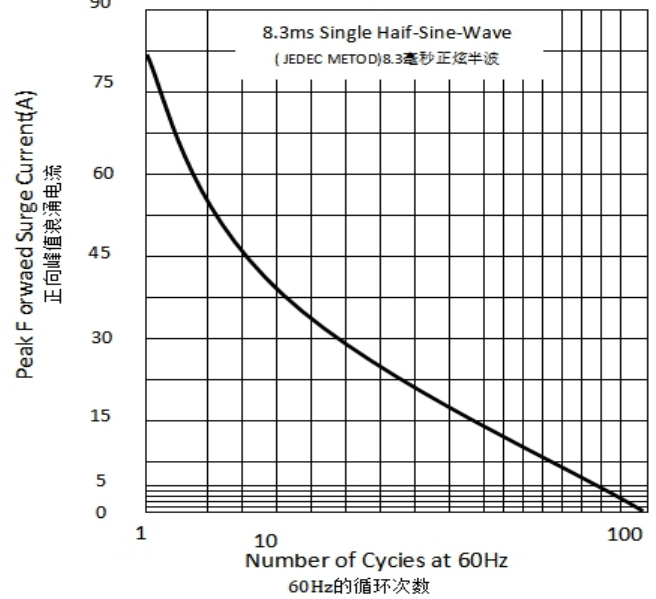


Fig.3-Typical Reverse Characteristics

图3.典型的反向特性

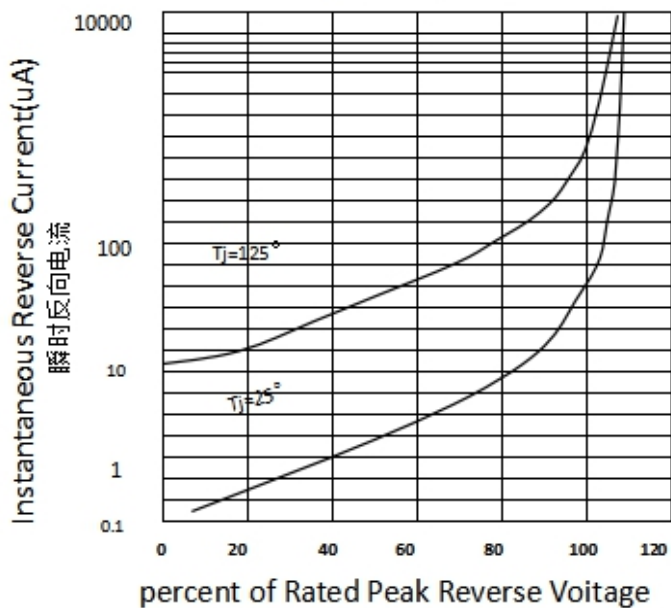


Fig.4-Typical Forward Characteristics

图4.典型的正向特性

