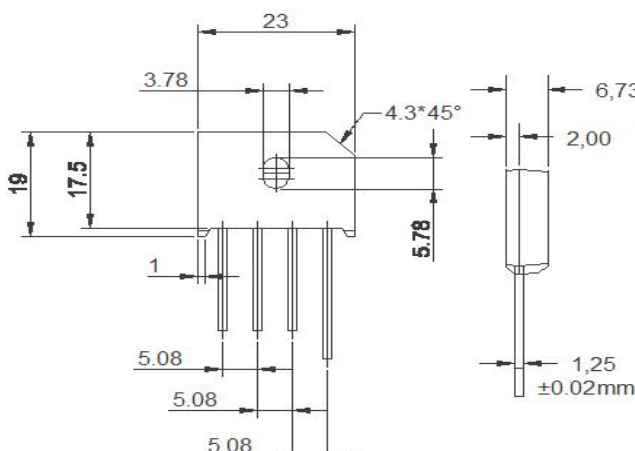
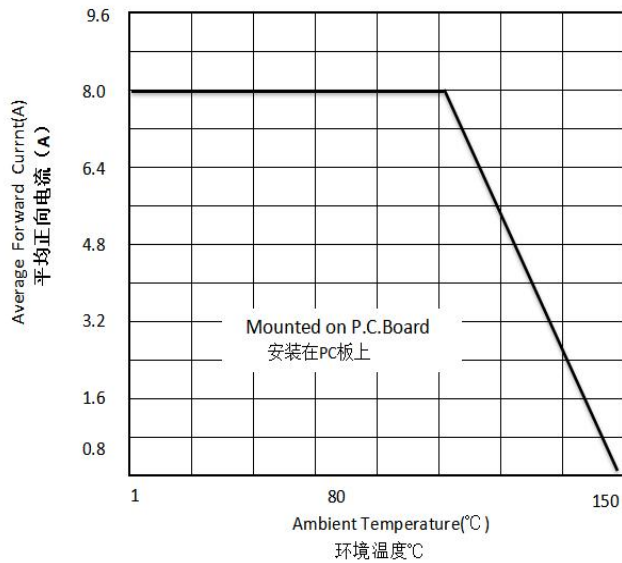
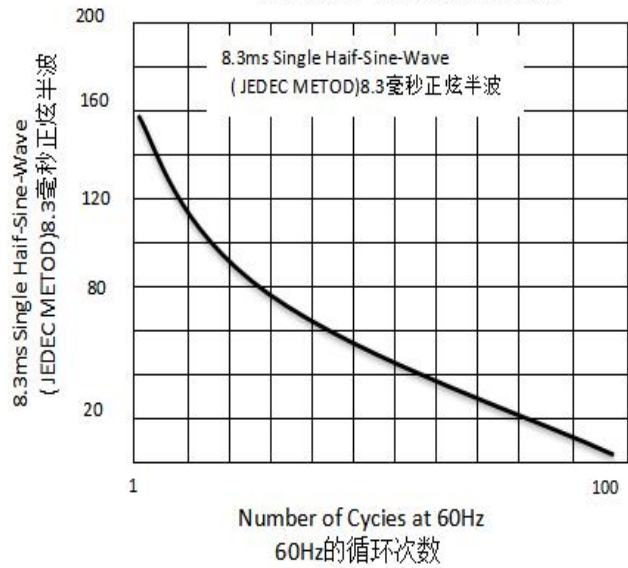
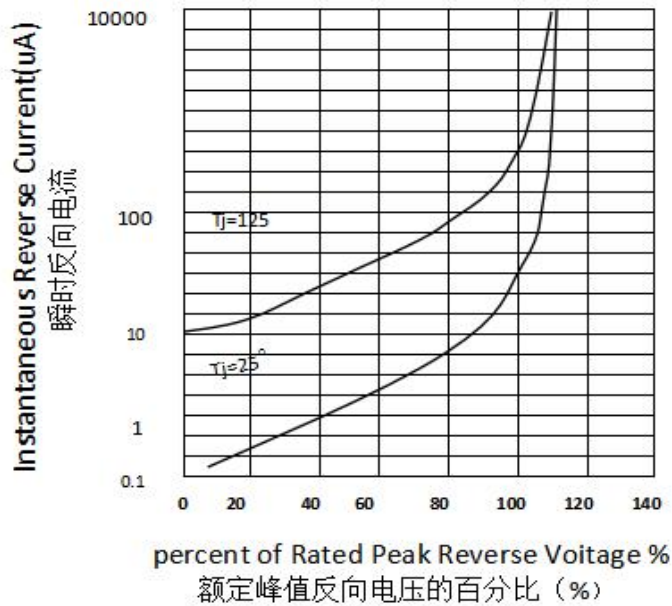


### 8A Glass Passivated Single-Phase Bridge Rectifier

| 特征/Features                                                                                                                                                                                                                         |                                                                                             | 外形尺寸/Outline Dimensions                                                                                                                             |     |     |     |     |     |      |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|------|------------|
| <div>◆ GPP芯片<br/>Glass passivated chip</div> <div>◆ 低反向漏电流<br/>Low Reverse Leakage Current</div> <div>◆ 高耐浪涌电流能力<br/>High surge current capability</div> <div>◆ 接线端与壳体间绝缘耐压2500V<br/>Case to Terminal Isolation Voltage 2500V</div> |                                                                                             | <div>Case: KBU Series</div> <div>Dimensions in millimeters</div>  |     |     |     |     |     |      |            |
| 机械参数/Machanical Data                                                                                                                                                                                                                |                                                                                             |                                                                                                                                                     |     |     |     |     |     |      |            |
| <div>◆ 本体：塑封<br/>Case: plastic package</div> <div>◆ 标识/极性：本体标记<br/>Marking / Polarity: Marked on Body</div> <div>◆ 重量：约克<br/>Weight: About 6.66 grams</div>                                                                         |                                                                                             |                                                                                                                                                     |     |     |     |     |     |      |            |
| 极限值/Maximum Ratings and Thermal Characteristics @ Ta = 25℃ unless otherwise noted                                                                                                                                                   |                                                                                             |                                                                                                                                                     |     |     |     |     |     |      |            |
| 符号<br>Symbol                                                                                                                                                                                                                        | 特性 Characteristic                                                                           | KBU8                                                                                                                                                |     |     |     |     |     |      | 单位<br>Unit |
|                                                                                                                                                                                                                                     |                                                                                             | A                                                                                                                                                   | B   | D   | G   | J   | K   | M    |            |
| VRRM                                                                                                                                                                                                                                | 最大反向重复峰值电压<br>Maxmum Recurrent Peak Reverse Voltage                                         | 50                                                                                                                                                  | 100 | 200 | 400 | 600 | 800 | 1000 | V          |
| IF (AV)                                                                                                                                                                                                                             | 平均整流输出电流<br>Average Forward Output Rectified Current@Ta =85℃                                | 8                                                                                                                                                   |     |     |     |     |     |      | A          |
| VF                                                                                                                                                                                                                                  | 正向峰值电压<br>Forward Voltage Per Leg @IFM =8.0A                                                | 1.1                                                                                                                                                 |     |     |     |     |     |      | V          |
| IFSM                                                                                                                                                                                                                                | 正向浪涌电流<br>Peak Forward Surge Current 8.3ms Single Half Sine-wave superimposed on rated load | 160                                                                                                                                                 |     |     |     |     |     |      | A          |
| IR                                                                                                                                                                                                                                  | 反向漏电流<br>Maximum DC reverse current at rated DC blocking voltage per leg                    | 5<br>500                                                                                                                                            |     |     |     |     |     |      | uA         |
| i²t                                                                                                                                                                                                                                 | 热容值<br>Rating for fusing (t<8.3ms)                                                          | 106                                                                                                                                                 |     |     |     |     |     |      | A²S        |
| Visol                                                                                                                                                                                                                               | 绝缘耐压<br>Rms isolation voltage from case to leads                                            | 2500                                                                                                                                                |     |     |     |     |     |      | V          |
| RθJC                                                                                                                                                                                                                                | 热阻<br>Maximum thermal resistance per leg                                                    | 4.2                                                                                                                                                 |     |     |     |     |     |      | ℃/W        |
| Tj, TSTG                                                                                                                                                                                                                            | 结温, 存储条件<br>Operating Junction and storage temperature range                                | -55~150                                                                                                                                             |     |     |     |     |     |      | ℃          |
| Note:<br>(1) Junction to case with heatsink<br>(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