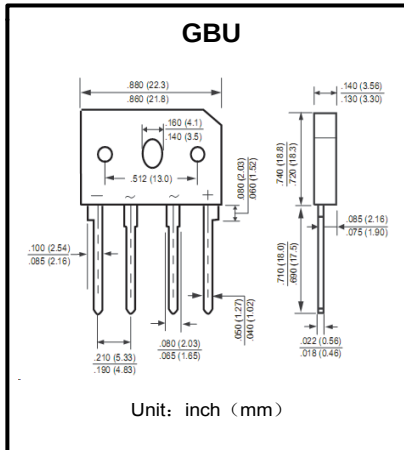


塑封硅整流桥堆  
反向电压 50---1000V  
正向电流 10 A

Single-phase Silicon Bridge Rectifier  
Reverse Voltage 50 to 1000V  
Forward Current 10 A



### 特征 Features

- 反向漏电流低 Low reverse leakage
- 正向浪涌承受能力较强 High forward surge capability
- 浪涌承受能力: 150A Surge overload rating: 150 Amperes peak
- 引线 and 管体皆符合RoHS标准 。  
Lead and body according with RoHS standard

### 机械数据 Mechanical Data

- 封装: 塑料封装 Case: Molded Plastic
- 极性: 标记模压或印于本体 Polarity: Symbols molded or marked on body
- 安装位置: 任意 Mounting Position: Any
- 安装扭矩: 推荐值 0.3牛\*米 Mounting torque: Recommend 0.3 N\*m

极限值和温度特性 TA = 25℃ 除非另有规定。

### Maximum Ratings & Thermal Characteristics Ratings at 25℃ ambient temperature unless otherwise specified.

|                                                                                 | 符号<br>Symbols   | GBU<br>10A  | GBU<br>10B | GBU<br>10D | GBU<br>10G | GBU<br>10J | GBU<br>10K | GBU<br>10M | 单位<br>Unit |
|---------------------------------------------------------------------------------|-----------------|-------------|------------|------------|------------|------------|------------|------------|------------|
| 最大可重复峰值反向电压<br>Maximum repetitive peak reverse voltage                          | $V_{RRM}$       | 50          | 100        | 200        | 400        | 600        | 800        | 1000       | V          |
| 最大均方根电压<br>Maximum RMS voltage                                                  | $V_{RMS}$       | 35          | 70         | 140        | 280        | 420        | 560        | 700        | V          |
| 最大直流阻断电压<br>Maximum DC blocking voltage                                         | $V_{DC}$        | 50          | 100        | 200        | 400        | 600        | 800        | 1000       | V          |
| 最大正向平均整流电流 TC = 100℃<br>Maximum average forward rectified current               | $I_{F(AV)}$     | 10          |            |            |            |            |            |            | A          |
| 峰值正向浪涌电流 8.3ms单一正弦半波<br>Peak forward surge current 8.3 ms single half sine-wave | $I_{FSM}$       | 150         |            |            |            |            |            |            | A          |
| 典型热阻 Typical thermal resistance                                                 | $R_{\theta JA}$ | 8.6         |            |            |            |            |            |            | ℃/W        |
| 工作结温和存储温度<br>Operating junction and storage temperature range                   | $T_J, T_{STG}$  | -55--- +150 |            |            |            |            |            |            | ℃          |

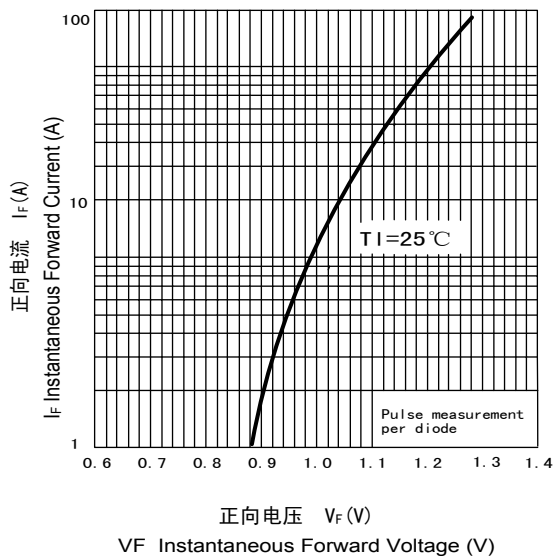
电特性 TA = 25℃ 除非另有规定。

### Electrical Characteristics Ratings at 25℃ ambient temperature unless otherwise specified.

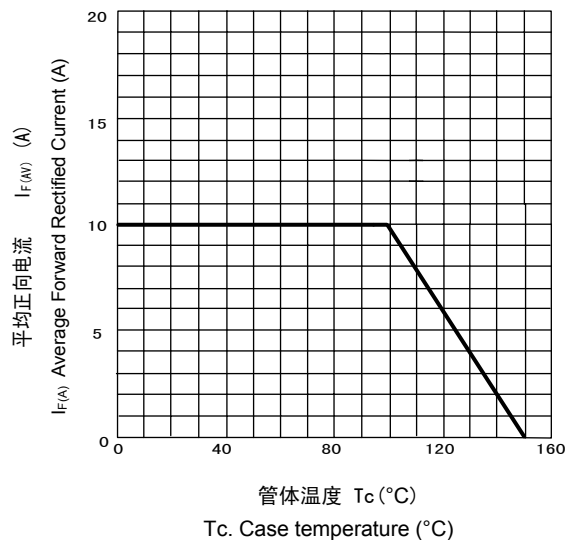
|                                                           | 符号<br>Symbols | GBU<br>10A | GBU<br>10B | GBU<br>10D | GBU<br>10G | GBU<br>10J | GBU<br>10K | GBU<br>10M | 单位<br>Unit |
|-----------------------------------------------------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 最大正向电压 $I_F = 5.0A$<br>Maximum forward voltage            | $V_F$         | 1.1        |            |            |            |            |            |            | V          |
| 最大反向电流 TA= 25℃<br>Maximum reverse current TA = 125℃       | $I_R$         | 10<br>500  |            |            |            |            |            |            | μA         |
| 典型结电容 $V_R = 4.0V, f = 1MHz$<br>Type junction capacitance | $C_j$         | 40         |            |            |            |            |            |            | pF         |

特性曲线 Characteristic Curves

正向特性曲线（典型值）  
TYPICAL FORWARD CHARACTERISTIC



正向电流降额曲线  
FORWARD CURRENT DERATING CURVE



浪涌特性曲线（最大值）  
MAXIMUM NON REPETITIVE  
PEAK FORWARD SURGE CURRENT

