

## Bridge Rectifier

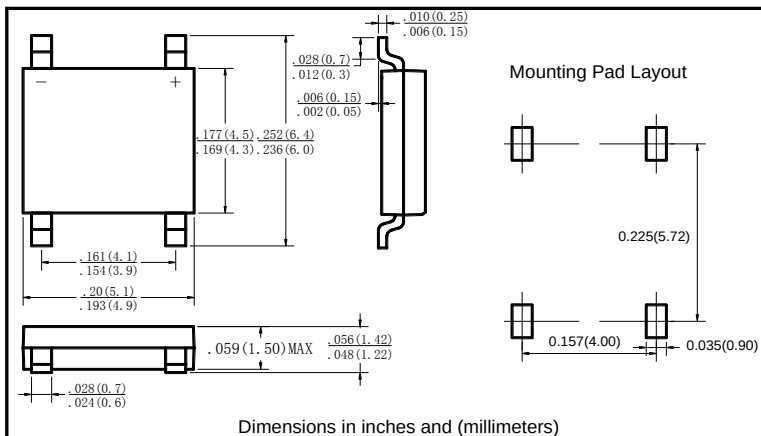
### ■特征 Features

- $I_o$  1A
- $V_{RRM}$  200V~1000V
- 玻璃钝化芯片  
Glass passivated chip
- 耐正向浪涌电流能力高  
High surge forward current capability

### ■用途 Applications

- 作一般电源单相桥式整流用  
General purpose 1 phase Bridge rectifier applications

### ■外形尺寸和印记 Outline Dimensions and Mark



### ■极限值（绝对最大额定值）

#### Limiting Values (LLBolute Maximum Rating)

| 参数名称<br>Item                                        | 符号<br>Symbol | 单位<br>Unit       | 条件<br>Conditions                                                                                             | LLB        |     |     |     |      |
|-----------------------------------------------------|--------------|------------------|--------------------------------------------------------------------------------------------------------------|------------|-----|-----|-----|------|
|                                                     |              |                  |                                                                                                              | 2          | 4   | 6   | 8   | 10   |
| 反向重复峰值电压<br>Repetitive Peak Reverse Voltage         | $V_{RRM}$    | V                |                                                                                                              | 200        | 400 | 600 | 800 | 1000 |
| 平均整流输出电流<br>Average Rectified Output Current        | $I_o$        | A                | 60Hz正弦波，<br>电阻负载， $T_a=25^{\circ}C$<br>60Hz sine wave,<br>R-load, $T_a=25^{\circ}C$                          | 1.0        |     |     |     |      |
| 正向（不重复）浪涌电流<br>Surge(Non-repetitive)Forward Current | $I_{FSM}$    | A                | 60Hz正弦波，一个周期， $T_j=25^{\circ}C$<br>60Hz sine wave, 1 cycle, $T_j=25^{\circ}C$                                | 30         |     |     |     |      |
| 正向浪涌电流的平方对电流<br>浪涌持续时间的积分值<br>Current Squared Time  | $I^2t$       | A <sup>2</sup> S | $1ms \leq t < 8.3ms$ $T_j=25^{\circ}C$ ，单个二极管<br>$1ms \leq t < 8.3ms$ $T_j=25^{\circ}C$ ，Rating of per diode | 3.7        |     |     |     |      |
| 存储温度<br>Storage Temperature                         | $T_{stg}$    | $^{\circ}C$      |                                                                                                              | -55 ~ +150 |     |     |     |      |
| 结温<br>Junction Temperature                          | $T_j$        | $^{\circ}C$      |                                                                                                              | -55 ~ +150 |     |     |     |      |

### ■电特性（ $T_a=25^{\circ}C$ 除非另有规定）

#### Electrical Characteristics ( $T_a=25^{\circ}C$ Unless otherwise specified)

| 参数名称<br>Item                   | 符号<br>Symbol     | 单位<br>Unit    | 测试条件<br>Test Condition                                                                        | 最大值<br>Max |
|--------------------------------|------------------|---------------|-----------------------------------------------------------------------------------------------|------------|
| 正向峰值电压<br>Peak Forward Voltage | $V_{FM}$         | V             | $I_{FM}=0.4A$ ，脉冲测试，单个二极管的额定值<br>$I_{FM}=0.4A$ , Pulse measurement, Rating of per diode       | 0.95       |
| 反向峰值电流<br>Peak Reverse Current | $I_{RRM}$        | $\mu A$       | $V_{RM}=V_{RRM}$ ，脉冲测试，单个二极管的额定值<br>$V_{RM}=V_{RRM}$ , Pulse measurement, Rating of per diode | 10         |
| 热阻<br>Thermal Resistance       | $R_{\theta J-A}$ | $^{\circ}C/W$ | 结和环境之间，安装在氧化铝基板上<br>Between junction and ambient, On alumina substrate                        | 62.5       |
|                                | $R_{\theta J-L}$ |               | 结和引线之间<br>Between junction and lead                                                           | 25         |

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

图1: Io-Ta曲线  
FIG1:Io-Ta Curve

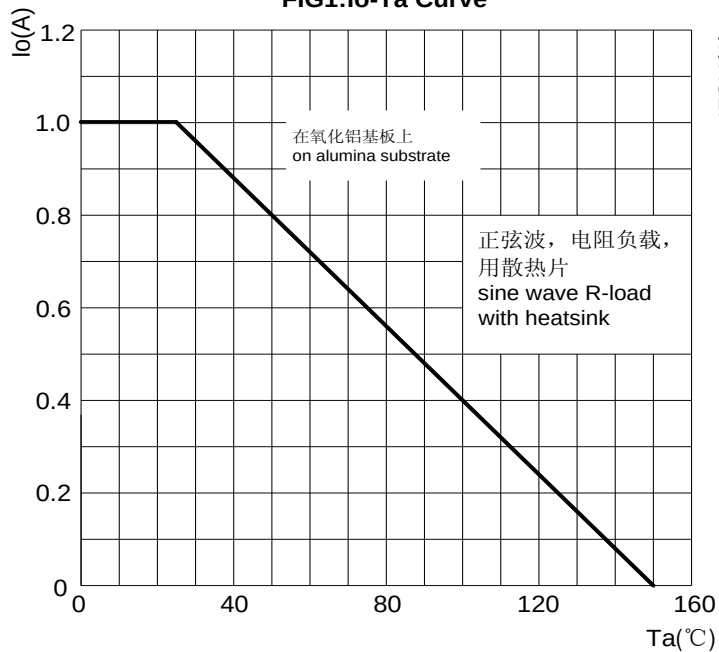


图2: 耐正向浪涌电流曲线  
FIG2:Surge Forward Current Capability

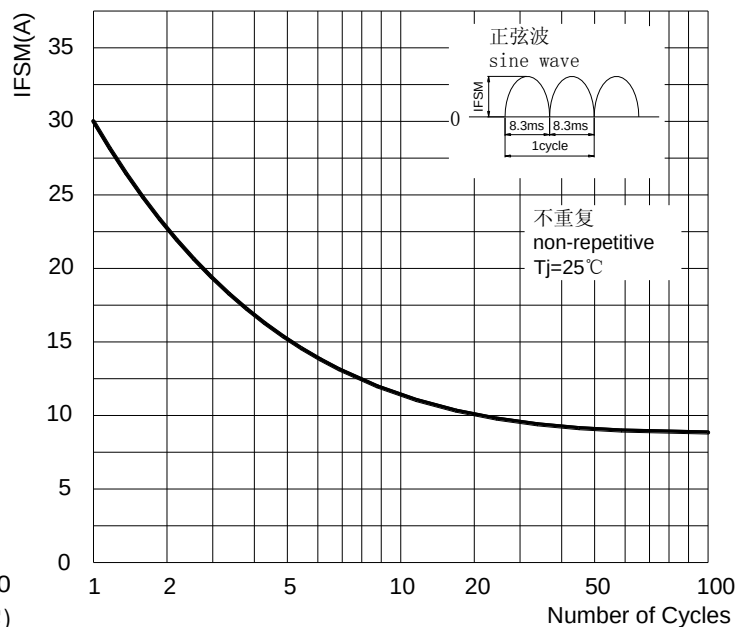


图3: 正向电压曲线  
FIG3: Forward Voltage

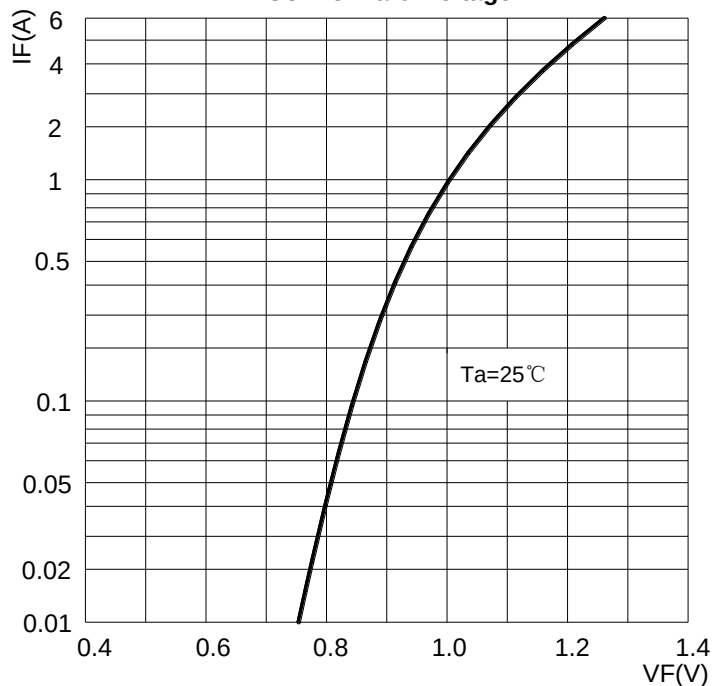


图4: 反向电流曲线  
FIG4:Typical Reverse Characteristics

