



## 桥式整流器 Bridge Rectifier

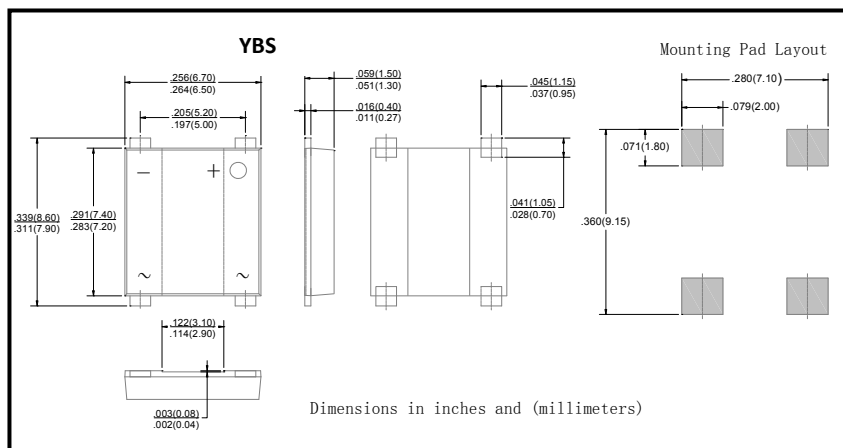
## ■特征 Features

- $I_o$  2.2A
- $V_{RRM}$  50-1000V
- 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 Outline Dimensions and Mark



## ■极限值（绝对最大额定值）

## Limiting Values (Absolute Maximum Rating)

| 参数名称<br>Item   | 符号<br>Symbol | 单位<br>Unit           | 条件<br>Conditions   | YBS22      |     |     |     |     |     |      |  |
|--|--------------|----------------------|--|------------|-----|-----|-----|-----|-----|------|--|
|  |              |                      |  | 005        | 01  | 02  | 04  | 06  | 08  | 10   |  |
| 反向重复峰值电压<br>Repetitive Peak Reverse Voltage          | $V_{RRM}$    | V                    |  | 50         | 100 | 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, 电阻负载, $T_c=110^\circ\text{C}$<br>60Hz sine wave, R-load, $T_c=110^\circ\text{C}$  | 2.2        |     |     |     |     |     |      |  |
| 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, $T_j=25^\circ\text{C}$<br>60Hz sine wave, 1 cycle, $T_j=25^\circ\text{C}$   | 90         |     |     |     |     |     |      |  |
| 正向浪涌电流的平方对电流浪涌持续时间的积分值<br>Current Squared Time       | $I^2t$       | $\text{A}^2\text{S}$ | $1\text{ms} \leq t < 8.3\text{ms}$ $T_j=25^\circ\text{C}$ , 单个二极管<br>$1\text{ms} \leq t < 8.3\text{ms}$ $T_j=25^\circ\text{C}$ , Rating of per diode | 33         |     |     |     |     |     |      |  |
| 存储温度<br>Storage Temperature                          | $T_{stg}$    | $^\circ\text{C}$     |  | -55 ~ +150 |     |     |     |     |     |      |  |
| 结温<br>Junction Temperature                           | $T_j$        | $^\circ\text{C}$     |  | -55 ~ +150 |     |     |     |     |     |      |  |

■电特性 ( $T_a=25^\circ\text{C}$  除非另有规定)Electrical Characteristics ( $T_a=25^\circ\text{C}$  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                         | $I_{FM}=1.1\text{A}$ , 脉冲测试, 单个二极管的额定值<br>$I_{FM}=1.1\text{A}$ , Pulse measurement, Rating of per diode | 1.02                    |     |
|                                |                  |                           | $I_{FM}=2.2\text{A}$ , 脉冲测试, 单个二极管的额定值<br>$I_{FM}=2.2\text{A}$ , Pulse measurement, Rating of per diode | 1.1                     |     |
| 反向峰值电流<br>Peak Reverse Current | $I_{RRM}$        | $\mu\text{A}$             | $V_{RM}=V_{RRM}$ , 脉冲测试, 单个二极管的额定值<br>$V_{RM}=V_{RRM}$ , Pulse measurement, Rating of per diode         | $T_j=25^\circ\text{C}$  | 5   |
|                                |                  |                           |   | $T_j=125^\circ\text{C}$ | 500 |
| 热阻<br>Thermal Resistance       | $R_{\theta J-A}$ | $^\circ\text{C}/\text{W}$ | 结和环境之间<br>Between junction and ambient  | 55                      |     |
|                                | $R_{\theta J-L}$ |                           | 结和引线之间<br>Between junction and lead   | 15                      |     |
|                                | $R_{\theta J-C}$ |                           | 结和壳之间<br>Between junction and case  | 10                      |     |

■特性曲线（典型） Characteristics(Typical)

图1:  $I_o$ - $T_c$ 曲线  
FIG1: $I_o$ - $T_c$  Curve

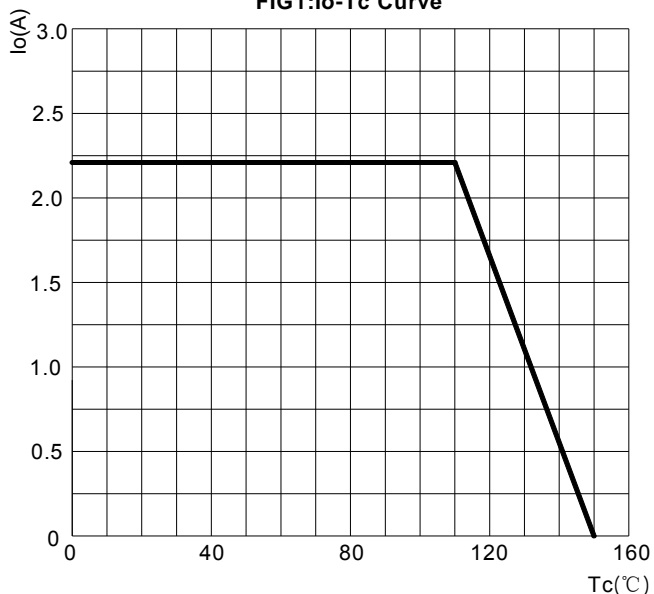


图2: 耐正向浪涌电流曲线  
FIG2: Surge Forward Current Capacity

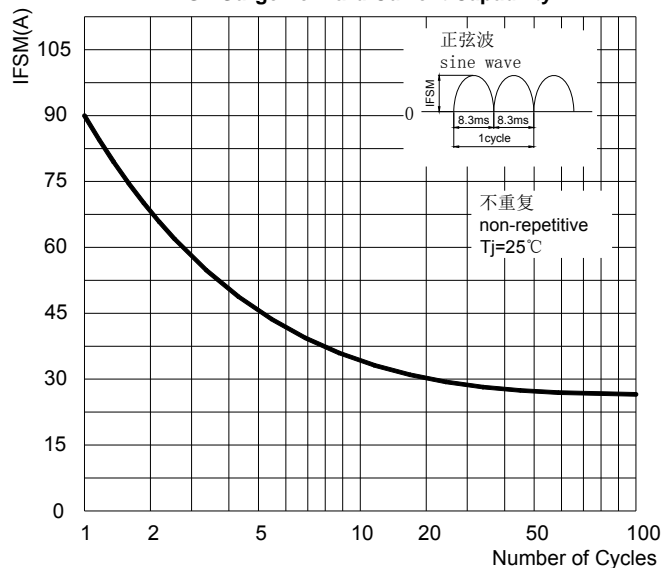


图3: 正向电压曲线  
FIG3: Forward Voltage

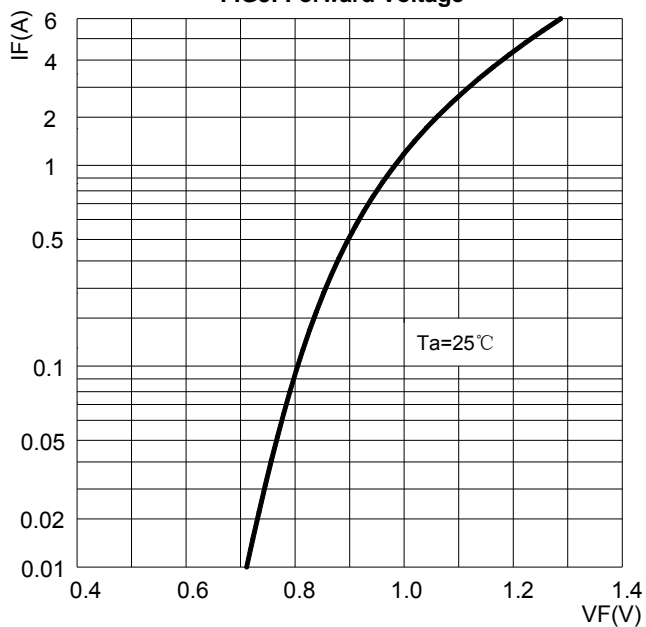


图4: 反向电流曲线  
FIG4: Typical Reverse Characteristics

