



## 肖特基二极管 Schottky Rectifier

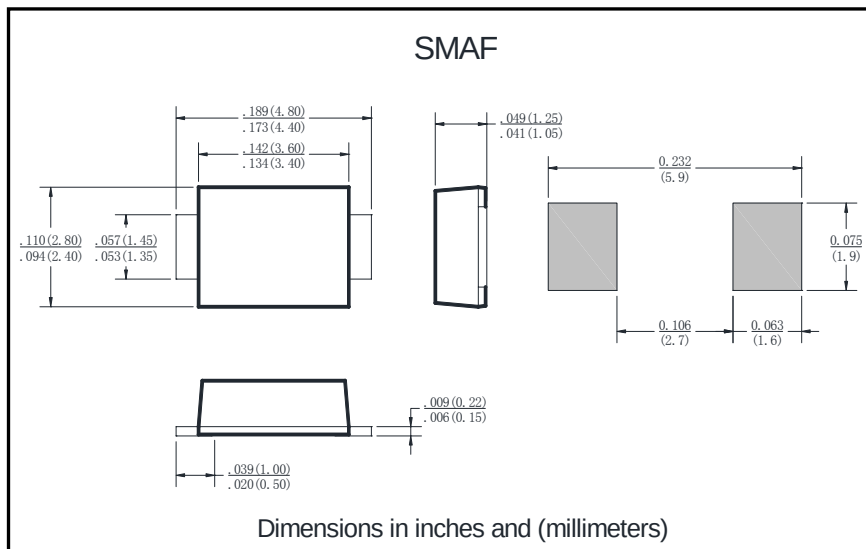
## ■特征 Features

- $I_o$  2.0A
- $V_{RRM}$  20V~200V
- 低正向电压, 低功耗  
Low VF, Low power loss
- 耐正向浪涌电流能力高  
High surge forward current capability

## ■用途 Applications

- 整流用  
Rectifier

## ■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                                                                                     | S2        |    |    |           |    |    |     |     |     |
|------------------------------------------------------|--------------|--------------------|------------------------------------------------------------------------------------------------------|-----------|----|----|-----------|----|----|-----|-----|-----|
|                                                      |              |                    |                                                                                                      | 2F        | 3F | 4F | 5F        | 6F | 8F | 10F | 15F | 20F |
| 反向重复峰值电压<br>Repetitive Peak Reverse Voltage          | $V_{RRM}$    | V                  |                                                                                                      | 20        | 30 | 40 | 50        | 60 | 80 | 100 | 150 | 200 |
| 平均整流输出电流<br>Average Rectified Output Current         | $I_o$        | A                  | 60Hz单向半波, 电阻负载, $T_a=75^{\circ}\text{C}$<br>60Hz One-way half-wave, R-load, $T_a=75^{\circ}\text{C}$ | 2.0       |    |    |           |    |    |     |     |     |
| 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, $T_j=25^{\circ}\text{C}$<br>60Hz sine wave, 1 cycle, $T_j=25^{\circ}\text{C}$         | 40        |    |    |           |    |    |     |     |     |
| 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 ~+125 |    |    | -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                     | S2   |    |    |      |    |      |     |      |     |
|--------------------------------|--------------------|------------|--------------------------------------------|------|----|----|------|----|------|-----|------|-----|
|                                |                    |            |                                            | 2F   | 3F | 4F | 5F   | 6F | 8F   | 10F | 15F  | 20F |
| 正向峰值电压<br>Peak Forward Voltage | V <sub>FM</sub>    | V          | I <sub>FM</sub> =2.0A                      | 0.50 |    |    | 0.70 |    | 0.85 |     | 0.90 |     |
| 反向峰值电流<br>Peak Reverse Current | I <sub>RRM</sub>   | mA         | V <sub>RM</sub> =V <sub>RRM</sub> , Ta=25℃ | 0.5  |    |    |      |    |      |     |      |     |
| 热阻<br>Thermal Resistance       | R <sub>θ J-L</sub> | ℃/W        | 结和引线之间<br>Between junction and lead        | 20   |    |    |      |    |      |     |      |     |

## ■特性曲线（典型） Characteristics(Typical)

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

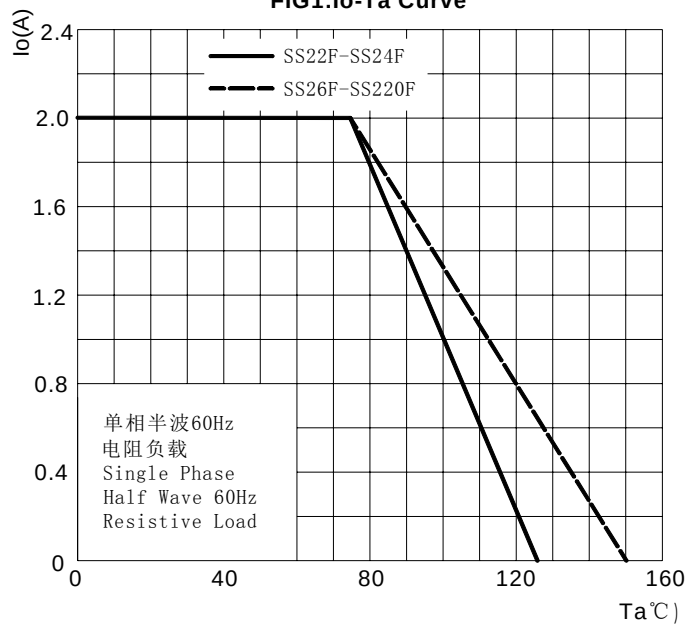


图2: 耐正向浪涌电流曲线  
FIG2: Surge Forward Current Capability

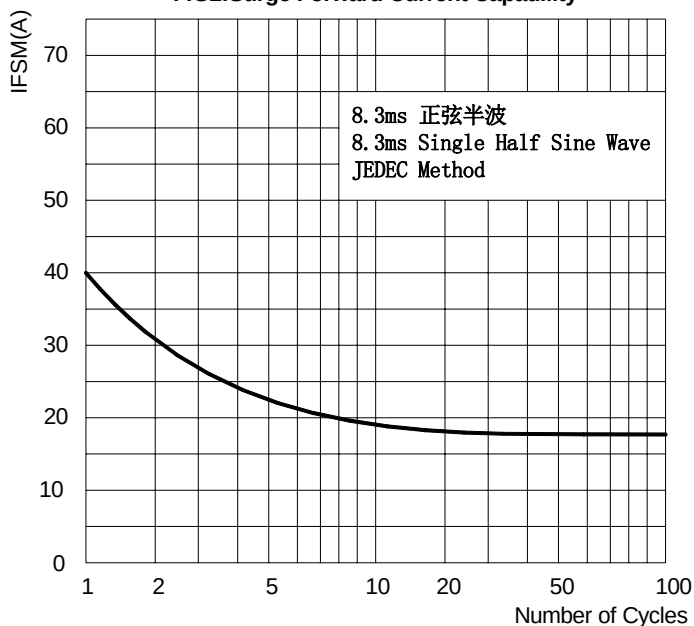


图3: 正向电压曲线  
FIG3: Forward Voltage

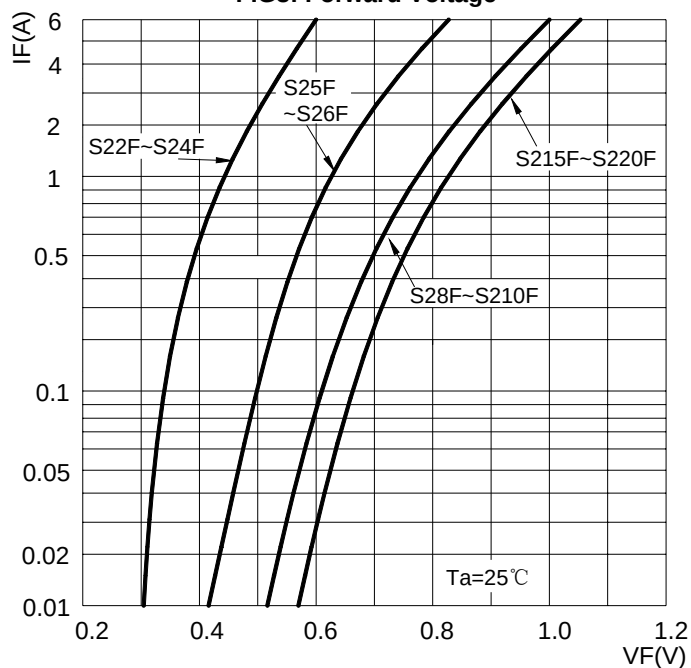


图4: 反向电流曲线  
FIG4: Typical Reverse Characteristics

