



## 肖特基二极管 Schottky Rectifier

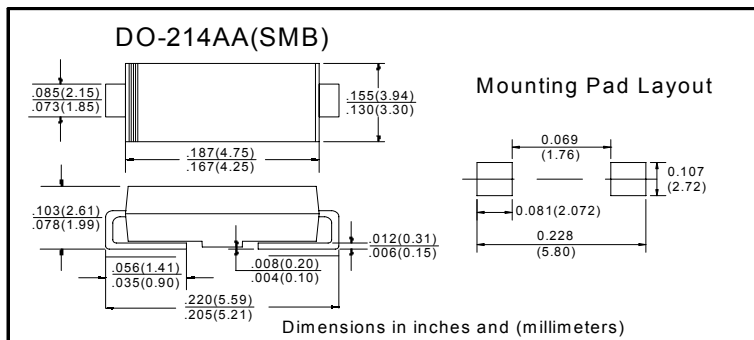
## ■特征 Features

- $I_o$  2.0A
- $V_{RRM}$  20V-100V
- 耐正向浪涌电流能力高  
High surge current capability
- 封装: 模压塑料  
Cases: Molded plastic

## ■用途 Applications

- 整流用 Rectifier

## ■外形尺寸和印记 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 | 测试条件<br>Test Conditions                                                       | SS<br>22   | SS<br>23 | SS<br>24 | SS<br>25 | SS<br>26 | SS<br>29 | SS<br>210 |
|-----------------------------------------------------|--------------------|------------|-------------------------------------------------------------------------------|------------|----------|----------|----------|----------|----------|-----------|
| 反向重复峰值电压<br>Repetitive Peak Reverse Voltage         | V <sub>RRM</sub>   | V          |                                                                               | 20         | 30       | 40       | 50       | 60       | 90       | 100       |
| 正向平均电流<br>Average Forward Current                   | I <sub>F(AV)</sub> | A          | 正弦半波 60Hz, 电阻负载, TL(Fig.1)<br>60HZ Half-sine wave, Resistance load, TL(Fig.1) | 2.0        |          |          |          |          |          |           |
| 正向（不重复）浪涌电流<br>Surge(Non-repetitive)Forward Current | I <sub>FSM</sub>   | A          | 正弦半波 60Hz, 一个周期, Ta=25℃<br>60Hz Half-sine wave , 1 cycle , Ta=25℃             | 50         |          |          |          |          |          |           |
| 结温<br>Junction Temperature                          | T <sub>J</sub>     | ℃          |                                                                               | -55~+125   |          |          | -55~+150 |          |          |           |
| 储存温度<br>Storage Temperature                         | T <sub>STG</sub>   | ℃          |                                                                               | -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                  |                     | SS<br>22         | SS<br>23 | SS<br>24 | SS<br>25 | SS<br>26 | SS<br>29 | SS<br>210 |
|------------------------------------------|----------------------|------------|-----------------------------------------|---------------------|------------------|----------|----------|----------|----------|----------|-----------|
| 正向峰值电压<br>Peak Forward Voltage           | V <sub>F</sub>       | V          | I <sub>F</sub> =2.0A                    |                     | 0.50             |          |          | 0.70     |          | 0.85     |           |
| 反向漏电流<br>Peak Reverse Current            | I <sub>RRM1</sub>    | mA         | V <sub>RM</sub> =V <sub>RRM</sub>       | T <sub>a</sub> =25℃ | 0.5              |          |          |          |          | 0.1      |           |
|                                          | T <sub>a</sub> =100℃ |            |                                         | 10                  |                  |          | 5.0      |          |          |          |           |
| 热阻(典型)<br>Thermal<br>Resistance(Typical) | R <sub>θJ-A</sub>    | ℃/W        | 结和环境之间<br>Between junction and ambient  |                     | 75 <sup>1)</sup> |          |          |          |          |          |           |
|                                          | R <sub>θJ-L</sub>    |            | 结和终端之间<br>Between junction and terminal |                     | 17 <sup>1)</sup> |          |          |          |          |          |           |

## 备注: Notes:

<sup>1)</sup> 热阻从结到环境及从结到引线, 在电路板的0.3" x 0.3" (8.0毫米 x 8.0毫米)铜垫片区

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.3" x 0.3" (8.0 mm x 8.0 mm) copper pad areas

## ■特性曲线（典型） Characteristics(Typical)

图1：正向电流降额曲线  
FIG.1: FORWARD CURRENT DERATING CURVE

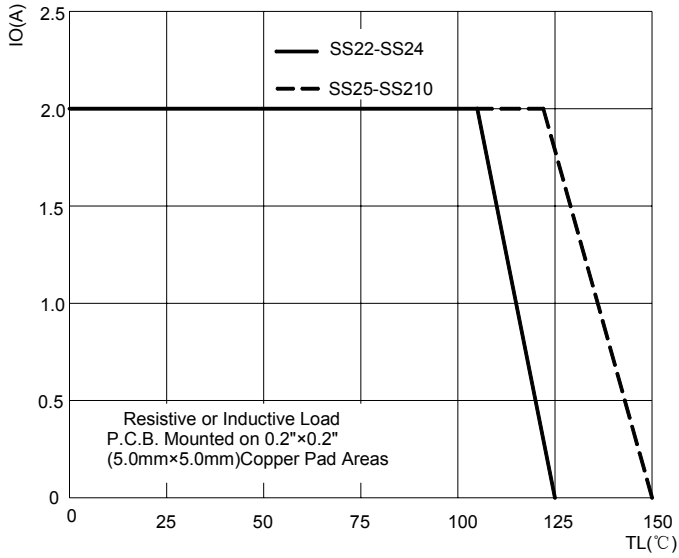


图2：最大正向浪涌冲击耐受力  
FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

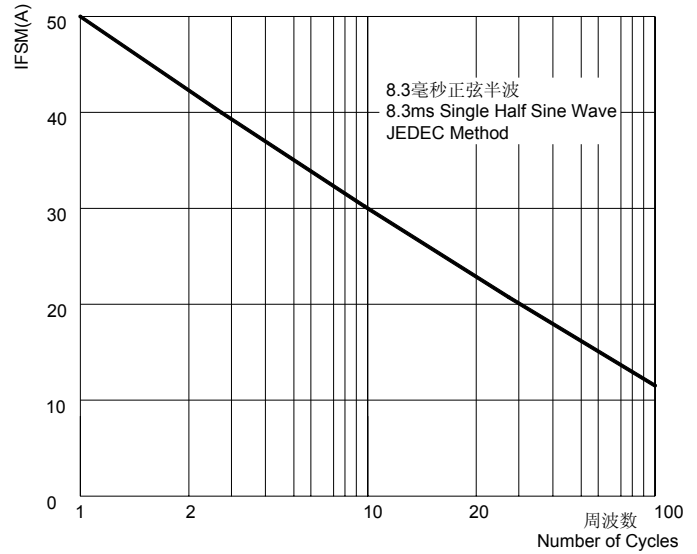


图3：典型正向特性曲线  
FIG.3: TYPICAL FORWARD CHARACTERISTICS

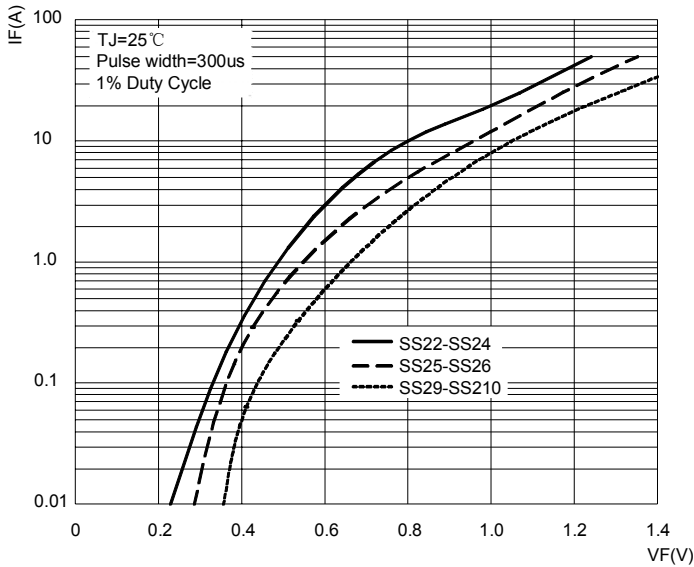


图4：典型反向特性曲线  
FIG.4: TYPICAL REVERSE CHARACTERISTICS

