

## General Purpose Rectifier

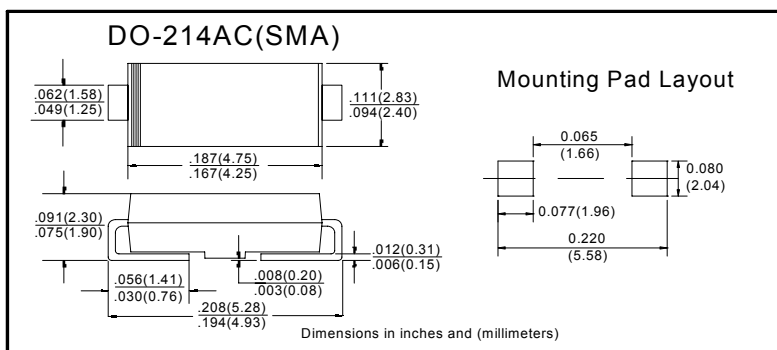
### ■特征 Features

- $I_o$  1.0A
- $V_{RRM}$  50V-1000V
- 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                                                                                  | GS1        |     |     |     |     |     |      |
|--------------------------------------------------------|--------------------|------------|----------------------------------------------------------------------------------------------------------|------------|-----|-----|-----|-----|-----|------|
|                                                        |                    |            |                                                                                                          | A          | B   | D   | G   | J   | K   | M    |
| 反向重复峰值电压<br>Repetitive Peak Reverse Voltage            | V <sub>RRM</sub>   | V          |                                                                                                          | 50         | 100 | 200 | 400 | 600 | 800 | 1000 |
| 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，<br>T <sub>L</sub> =130℃<br>60HZ Half-sine wave, Resistance<br>load, T <sub>L</sub> =130℃ | 1.0        |     |     |     |     |     |      |
| 正向（不重复）浪涌电流<br>Surge(Non-repetitive)Forward<br>Current | I <sub>FSM</sub>   | A          | 正弦半波 60Hz，一个周期, Ta=25℃<br>60Hz Half-sine wave ,1 cycle ,<br>Ta =25℃                                      | 30         |     |     |     |     |     |      |
| 结温<br>Junction Temperature                             | T <sub>J</sub>     | ℃          |                                                                                                          | -55~+150   |     |     |     |     |     |      |
| 储存温度<br>Storage Temperature                            | T <sub>STG</sub>   | ℃          |                                                                                                          | -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                  |                     | GS1              |   |   |   |   |   |   |
|---------------------------------------|----------------------|------------|-----------------------------------------|---------------------|------------------|---|---|---|---|---|---|
|                                       |                      |            |                                         |                     | A                | B | D | G | J | K | M |
| 正向峰值电压<br>Peak Forward Voltage        | V <sub>F</sub>       | V          | I <sub>F</sub> =1.0A                    |                     | 1.1              |   |   |   |   |   |   |
| 反向漏电流<br>Peak Reverse Current         | I <sub>RRM1</sub>    | μA         | V <sub>RM</sub> =V <sub>RRM</sub>       | T <sub>a</sub> =25℃ | 10               |   |   |   |   |   |   |
|                                       | T <sub>a</sub> =125℃ |            |                                         | 50                  |                  |   |   |   |   |   |   |
| 热阻(典型)<br>Thermal Resistance(Typical) | R <sub>θJ-A</sub>    | ℃/W        | 结和环境之间<br>Between junction and ambient  |                     | 95 <sup>1)</sup> |   |   |   |   |   |   |
|                                       | R <sub>θJ-L</sub>    |            | 结和终端之间<br>Between junction and terminal |                     | 22 <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0.2" x 0.2" (5.0毫米 x 5.0毫米)铜垫片区

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 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

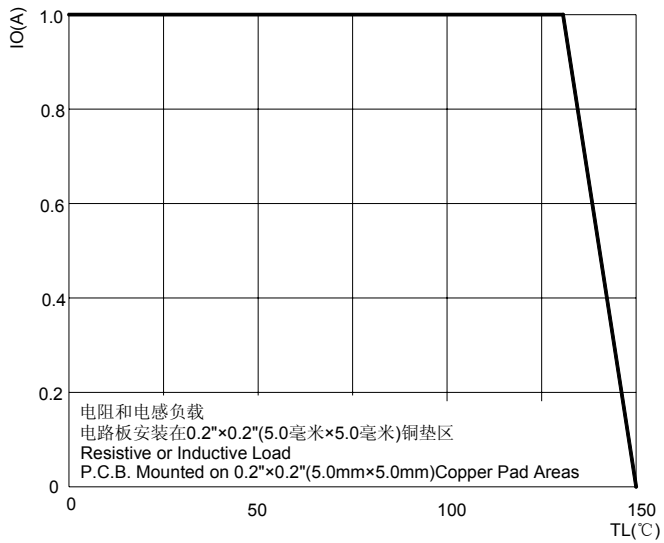


图2：最大正向浪涌冲击耐受力  
FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

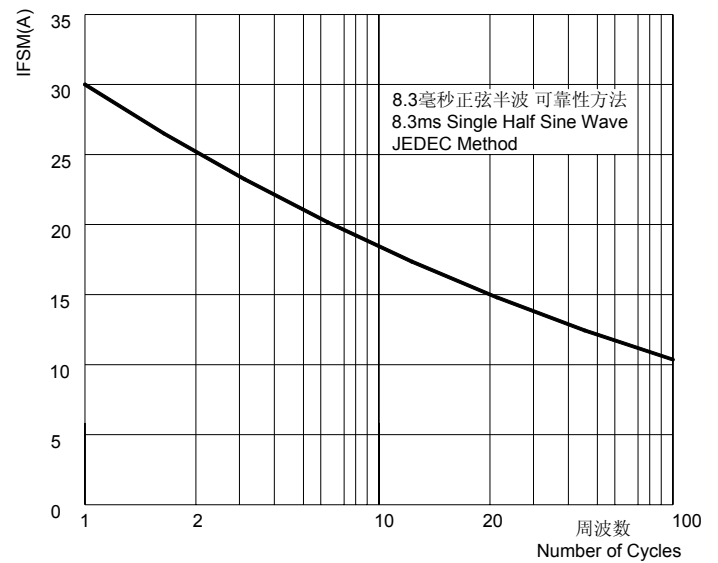


图3：典型正向特性曲线  
FIG.3: TYPICAL FORWARD CHARACTERISTICS

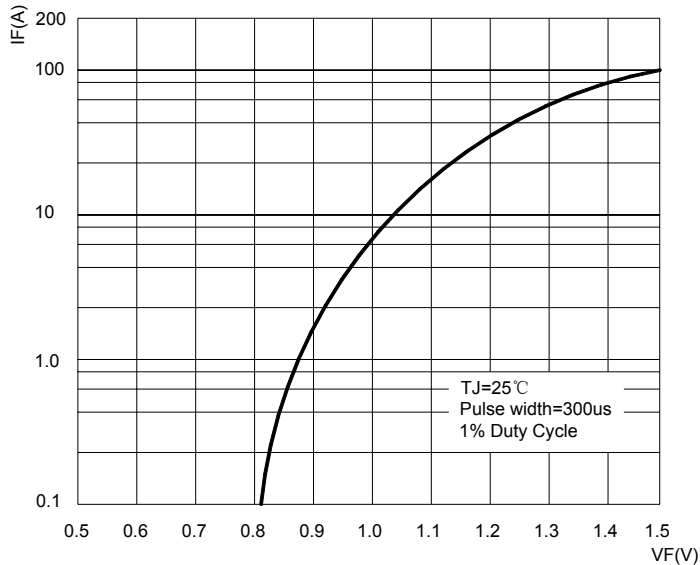


图4：典型反向特性曲线  
FIG.4: TYPICAL REVERSE CHARACTERISTICS

