



## 硅整流二极管 General Purpose Rectifier

## ■特征 Features

- $I_o$  0.2A
- VRRM 2000V
- 耐正向浪涌电流能力高
- High surge current capability

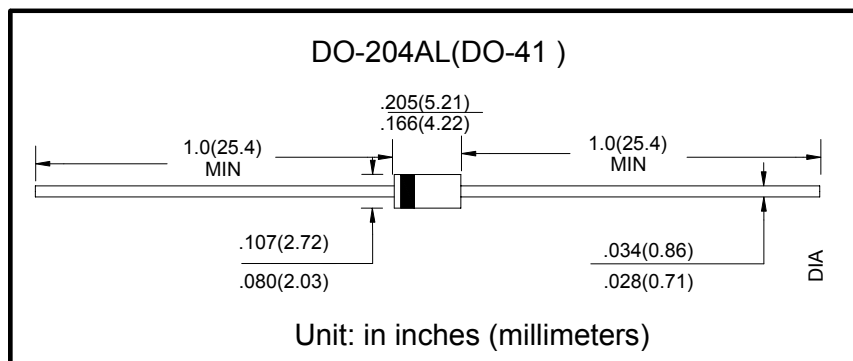
## ■用途 Applications

- 整流用 Rectifier

## ■极限值（绝对最大额定值）

## Limiting Values (Absolute Maximum Rating)

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



| 参数名称<br>Item                                        | 符号<br>Symbol | 单位<br>Unit         | 条件<br>Conditions                                                                                                | R2000      |
|-----------------------------------------------------|--------------|--------------------|-----------------------------------------------------------------------------------------------------------------|------------|
| 反向重复峰值电压<br>Repetitive Peak Reverse Voltage         | VRRM         | V                  |                                                                                                                 | 2000       |
| 正向平均电流<br>Average Forward Current                   | $I_{F(AV)}$  | A                  | (正弦半波 60HZ, 电阻负载, $T_a=50^{\circ}\text{C}$ ); (60HZ Half-sine wave, Resistance load, $T_a=50^{\circ}\text{C}$ ) | 0.2        |
| 正向（不重复）浪涌电流<br>Surge(Non-repetitive)Forward Current | $I_{FSM}$    | A                  | (正弦半波 60HZ, 一个周期, $T_a=25^{\circ}\text{C}$ ) (60HZ Half-sine wave, 1 cycle, $T_a=25^{\circ}\text{C}$ )          | 30         |
| 结温<br>Junction Temperature                          | $T_j$        | $^{\circ}\text{C}$ |                                                                                                                 | -55~+125   |
| 储存温度<br>Storage Temperature                         | $T_{stg}$    | $^{\circ}\text{C}$ |                                                                                                                 | -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                    | $I_{FM}=0.2A$                          | 3.0                             |
| 反向峰值电流<br>Peak Reverse Current        | $I_{RRM1}$       | $\mu A$              | $V_{RM}=V_{RRM}$                       | $T_a=25^{\circ}\text{C}$<br>5   |
|                                       | $I_{RRM2}$       |                      |                                        | $T_a=125^{\circ}\text{C}$<br>50 |
| 热阻(典型)<br>Thermal Resistance(Typical) | $R_{\theta J-A}$ | $^{\circ}\text{C}/W$ | 结和环境之间<br>Between junction and ambient | 130                             |

## ■特性曲线（典型） Characteristics(Typical)

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

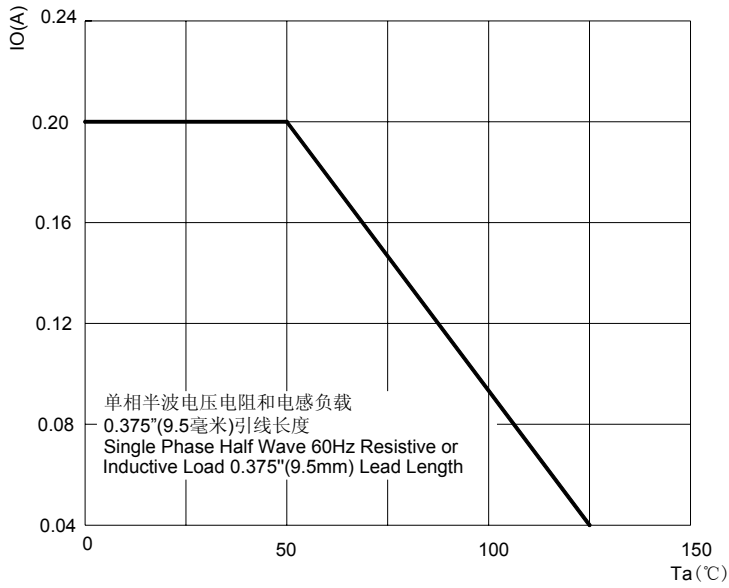


图2: 最大正向浪涌冲击耐受力  
FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

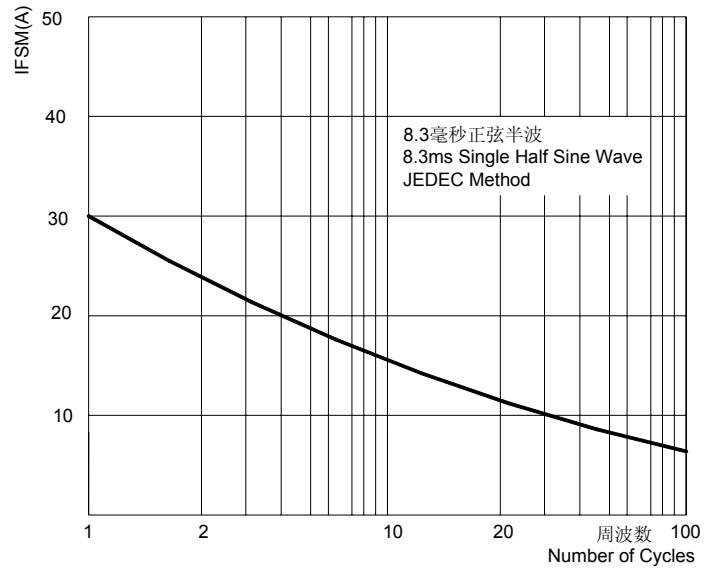


图3: 典型正向特性曲线  
FIG.3: TYPICAL FORWARD CHARACTERISTICS

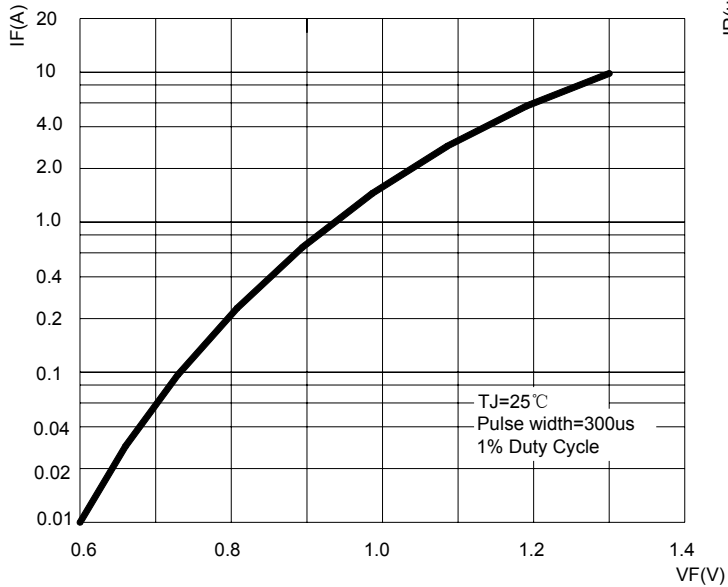


图4: 典型反向特性曲线  
FIG.4: TYPICAL REVERSE CHARACTERISTICS

