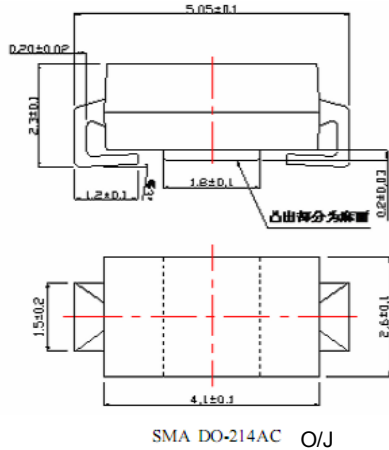


表面安装普通整流二极管

反向电压 1000 V
正向电流 1.0 A



Surface Mount General Rectifier

Reverse Voltage 1000 V
Forward Current 1.0 A

特征 Features

- 低的反向漏电流 Low reverse leakage
- 较强的正向浪涌承受能力 High forward surge capability
- 高温焊接保证 High temperature soldering guaranteed:
250°C/10 秒 seconds at terminals

机械数据 Mechanical Data

- 封装: 塑料封装 Case: Molded plastic body
- 端子: 焊料被镀 Terminals: Solder plated
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 安装位置: 任意 Mounting Position: Any

极限值和温度特性 TA = 25°C 除非另有规定。

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

| | 符号 Symbols | M7 | 单位 Unit |
|--|-----------------|--------------|------------|
| 最大可重复峰值反向电压 Maximum repetitive peak reverse voltage | V_{RRM} | 1000 | V |
| 最大均方根电压 Maximum RMS voltage | V_{RMS} | 700 | V |
| 最大直流阻断电压 Maximum DC blocking voltage | V_{DC} | 1000 | V |
| 最大正向平均整流电流 Maximum average forward rectified current | $I_{F(AV)}$ | 1.0 | A |
| 峰值正向浪涌电流 8.3ms 单一正弦半波 Peak forward surge current 8.3 ms single half sine-wave | I_{FSM} | 30 | A |
| 最大反向峰值电流 @TA = 75°C Maximum peak reverse current full cycle | $I_{R(AV)}$ | 30 | μA |
| 典型热阻 Typical thermal resistance | $R_{\theta JA}$ | 75 | °C/W |
| 工作结温和存储温度 Operating junction and storage temperature range | T_J, T_{STG} | -50 --- +150 | °C |

电特性 TA = 25°C 除非另有规定。

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

| | 符号 Symbols | M7 | 单位 Unit |
|---|---------------|------------|------------|
| 最大正向电压 $I_F = 1.0A$ Maximum forward voltage | V_F | 1.1 | V |
| 最大反向电流 TA= 25°C Maximum reverse current TA=100°C | I_R | 5.0 100 | μA |
| 典型结电容 $V_R = 4.0V, f = 1MHz$ Type junction capacitance | C_j | 15 | pF |

特性曲线 Characteristic Curves

