

塑封高压二极管

反向电压 10KV

正向电流 5mA

Plastic High Voltage Rectifier

Reverse Voltage 10KV

Forward Current 5mA



特征 Features

- $I_{F(AV)}$ 5 mA
- V_{RRM} 10 KV
- 高可靠性 High reliability

用途 Purpose

适用于电子设备中作高压整流用

For high voltage rectification for electronic products

绝对最大数值

Absolute Maximum Ratings

| 序号 No. | 项目 Item | 符号 Symbol | 单位 Unit | 数值 Rating | 条件 Conditions |
|-----------|--|--------------|-------------|--------------|---|
| 1 | 反向重复峰值电压 Repetitive Peak Reverse Voltage | V_{RRM} | KV | 10 | |
| 2 | 反向不重复峰值电压 Non-Repetitive Peak Reverse Voltage | V_{RSM} | KV | 12 | |
| 3 | 正向平均电流 Average Forward Current | $I_{F(AV)}$ | mA | 5 | 50HZ 正弦半波平均值, ($T_{amb}=50^{\circ}C$) 50HZ Sine-half Wave Rectification Average Value ($T_{amb}=50^{\circ}C$) |
| 4 | 正向(不重复)浪涌电流 Non-Repetitive Forward Surge Current | I_{FSM} | A | 0.5 | 50HZ 10ms 正弦半波 ($T_{amb}=25^{\circ}C$) 50HZ 10ms Sine-half Wave, ($T_{amb}=25^{\circ}C$) |
| 5 | 工作环境温度 Ambient Temperature | T_{amb} | $^{\circ}C$ | -40~+100 | |
| 6 | 最高结温 Maximum Junction Temperature | $T_{(vj)}$ | $^{\circ}C$ | 120 | |
| 7 | 贮存温度 Storage Temperature | T_{stg} | $^{\circ}C$ | -40~+120 | |

电特性(除非另有规定, $T_{amb}=25^{\circ}C$)

Electrical Characteristics($T_{amb}=25^{\circ}C$, unless otherwise specified)

| 序号 NO. | 项目 Item | 符号 Symbol | 单位 Unit | 数值 Rating | 测试条件 Test conditions |
|-----------|---|--------------|------------|--------------|--|
| 1 | 正向压降 Forward Voltage Drop | V_{FM} | V | 30.0max | $I_{FM}=10mA$ |
| 2 | 常温反向漏电流 Normal Temperature Reverse Current | I_{RM1} | μA | 2max | $V_{RM}=10KV$ |
| 3 | 高温反向漏电流 High Temperature Reverse Current | I_{RM2} | μA | 5max | $T_{amb}=100^{\circ}C$ $V_{RM}=10KV$ |
| 4 | 结电容 Junction Capacitance | C_j | pF | 1max | 1MHZ, $V_B=0V$ |
| 5 | 反向恢复时间 Reverse Recovery Time | trr | μS | 0.1 max | $I_F=2mA, I_{RM}=4 mA$ 脉冲前沿小于 $0.01 \mu S$ Fore edge of pulse less than $0.01 \mu s$ |

外形尺寸及标识

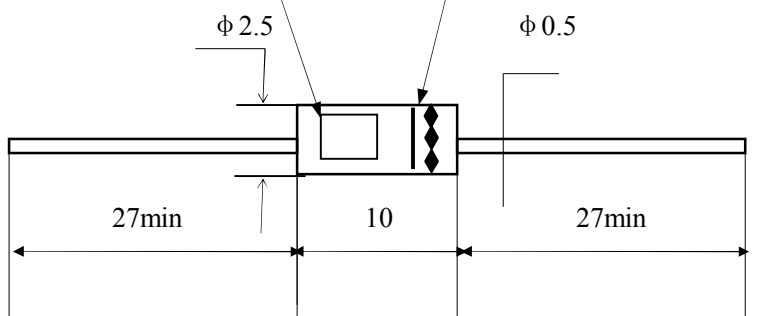
Dimensions and Marking

批号、制造商标标记※

负极标记

Lot No, Coporate mark

Cathode mark



单位: mm

Dimensions in mm