

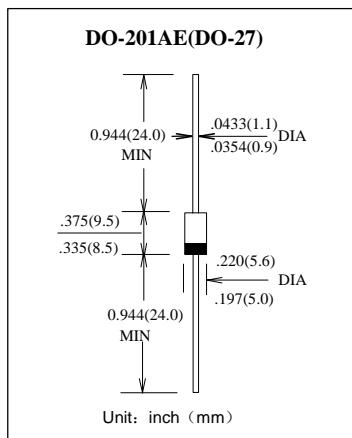


HUIZHOU JINSANE ELECTRONICS CO.,LTD

SR320 SR3100

塑封肖特基二极管

PLASTIC SCHOTTKY BARRIER RECTIFIER



特征 Features

- 大电流承受能力。High Current Capability
 - 正向压降低。Low Forward Voltage Drop
 - 高温焊接保证 High temperature soldering guaranteed:
 - 250°C/10 秒, 0.375" (9.5mm)引线长度。
 - 250°C/10 seconds, 0.375" (9.5mm) lead length,
 - 引线可承受5 磅 (2.3kg) 拉力。5 lbs. (2.3kg) tension

机械数据 Mechanical Data

- 端子: 镀锡轴向引线 Terminals: Plated axial leads
 - 极性: 色环端为负极 Polarity: Color band denotes cathode end
 - 安装位置: 任意 Mounting Position: Any

极限值和电参数 TA = 25°C 除非另有规定。

Maximum Ratings & Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

| | 符号 Symbols | SR 320 | SR 330 | SR 340 | SR 350 | SR 360 | SR 380 | SR 3100 | 单位 Unit |
|---|-----------------------------------|-----------|-----------|--------------|-----------|-----------|-----------|------------|------------|
| 最大峰值反向电压 Maximum repetitive peak reverse voltage | V _{RRM} | 20 | 30 | 40 | 50 | 60 | 80 | 100 | V |
| 最大反向有效值电压 Maximum RMS voltage | V _{R(RMS)} | 14 | 21 | 28 | 35 | 42 | 56 | 70 | V |
| 最大直流阻断电压 Maximum DC blocking voltage | V _{DC} | 20 | 30 | 40 | 50 | 60 | 80 | 100 | V |
| 最大正向平均整流电流 Maximum average forward rectified current | I _{FM} | | | | 3.0 | | | | A |
| 最大正向电压降 @IF = 5.0A Maximum forward voltage | V _F | | 0.55 | | 0.7 | | 0.85 | | V |
| 正向峰值浪涌电流 8.3mS单一正弦半波 Peak forward surge current 8.3 ms single half sine-wave | I _{FSM} | | | 80 | | | | | A |
| 最大反向漏电流 @TA = 25°C Maximum reverse current @TA = 100°C | I _R | | | 1 | | 20 | | | mA |
| 典型热阻 Typical thermal resistance | R _{θJA} | | 20 | | | 10 | | | °C/W |
| 典型结电容 VR = 4.0V f = 1.0MHz Type junction capacitance | C _j | | | 250 | | | | | pF |
| 工作温度和存储温度 Operating junction and storage temperature range | T _j , T _{STG} | | | -50 --- +150 | | | | | °C |

特性曲线 Characteristic Curves
