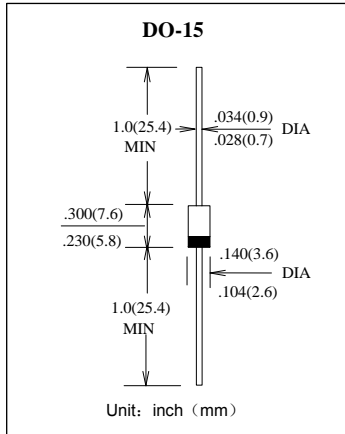


## 塑封肖特基二极管

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:  
260°C/10 秒, 0.375" (9.5mm) 引线长度。  
260°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
- 引线 and 管体皆符合RoHS标准。  
Lead and body according with RoHS standard

## 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 &amp; Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

|  | 符号<br>Symbols   | SB<br>220    | SB<br>230 | SB<br>240 | SB<br>250 | SB<br>260 | SB<br>280 | SB<br>2100 | 单位<br>Unit |
|--|-----------------|--------------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| 最大峰值反向电压<br>Maximum repetitive peak reverse voltage                              | $V_{RRM}$       | 20           | 30        | 40        | 50        | 60        | 80        | 100        | V          |
| 最大反向有效值电压<br>Maximum RMS voltage   | $V_{R(RMS)}$    | 14           | 21        | 28        | 35        | 42        | 56        | 70         | V          |
| 最大直流阻断电压<br>Maximum DC blocking voltage  | $V_{DC}$        | 20           | 30        | 40        | 50        | 60        | 80        | 100        | V          |
| 最大正向平均整流电流<br>Maximum average forward rectified current                          | $I_{FM}$        | 2.0          |           |           |           |           |           |            | A          |
| 最大正向电压降 IF = 2.0A<br>Maximum forward voltage                                     | $V_F$           | 0.5          |           | 0.7       |           | 0.85      |           | V          |            |
| 正向峰值浪涌电流 8.3ms 单一正弦半波<br>Peak forward surge current 8.3 ms single half sine-wave | $I_{FSM}$       | 50           |           |           |           |           |           |            | A          |
| 最大反向漏电流 TA = 25°C<br>Maximum reverse current TA = 100°C                          | $I_R$           | 0.5          |           |           |           | 10        |           |            | mA         |
| 典型热阻 Typical thermal resistance  | $R_{\theta JA}$ | 45           |           |           |           |           |           |            | °C/W       |
| 典型结电容 VR = 4.0V f = 1.0MHz<br>Type junction capacitance                          | $C_j$           | 120          |           |           | 90        |           | 80        |            | pF         |
| 工作温度和存储温度<br>Operating junction and storage temperature range                    | $T_j, T_{STG}$  | -55 --- +150 |           |           |           |           |           |            | °C         |

特性曲线 Characteristic Curves

