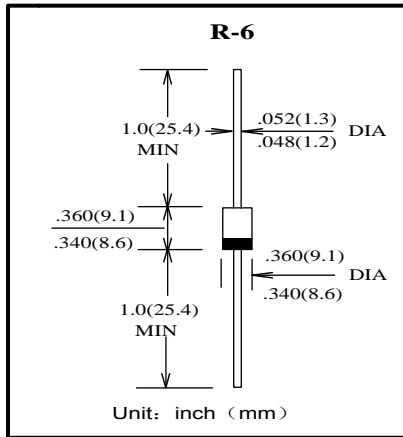


普通塑封整流二极管
反向电压 50--1000V
正向电流 6.0 A

General Purpose Plastic Rectifier
Reverse Voltage 50 to 1000 V
Forward Current 6.0 A



特征 Features

- 反向漏电流低 Low reverse leakage
- 正向浪涌承受能力较强 High forward surge capability
- 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
- 引线和管体皆符合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 | 6A05 | 6A1 | 6A2 | 6A4 | 6A6 | 6A8 | 6A10 | 单位 Unit |
|--|-----------------|--------------|-----|-----|-----|-----|-----|------|------------|
| 重复反向峰值电压 repetitive peak reverse voltage | V_{RRM} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| 反向工作峰值电压 peak reverse voltage | V_{RWM} | 49 | 70 | 140 | 280 | 420 | 560 | 700 | V |
| 不重复反向峰值电压 Non repetitive peak reverse voltage | V_{RSM} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| 最大正向平均整流电流 Maximum average forward rectified current | $I_{F(AV)}$ | 6.0 | | | | | | | 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} | 250 | | | | | | | A |
| 典型热阻 Typical thermal resistance | $R_{\theta JA}$ | 10 | | | | | | | °C/W |
| 工作结温和存储温度 Operating junction and storage temperature range | T_j, T_{STG} | -55 --- +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 | 6A05 | 6A1 | 6A2 | 6A4 | 6A6 | 6A8 | 6A10 | 单位 Unit |
|------------------------------------|---------------|-----------|-----|-----|-----|-----|-----|------|------------|
| 最大正向电压 Maximum forward voltage | V_F | 1.1 | | | | | | | V |
| 最大反向漏电流 Maximum reverse current | I_R | 10 400 | | | | | | | μA |
| 典型结电容 Type junction capacitance | C_j | 70 | | | | | | | pF |

特性曲线 Characteristic Curves

