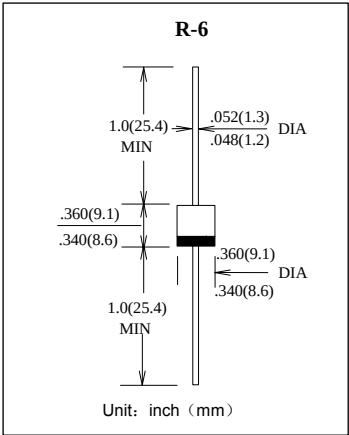


普通塑封整流二极管  
反向电压 50--1000V  
正向电流 10 A

General Purpose Plastic Rectifier  
Reverse Voltage 50 to 1000 V  
Forward Current 10 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℃/10 秒, 0.375" (9.5mm)引线长度。  
260℃/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℃ 除非另有规定。

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

|                                                                                 | 符号<br>Symbols   | 10A05        | 10A1 | 10A2 | 10A4 | 10A6 | 10A8 | 10A10 | 单位<br>Unit |
|---------------------------------------------------------------------------------|-----------------|--------------|------|------|------|------|------|-------|------------|
| 重复反向峰值电压<br>repetitive peak reverse voltage                                     | $V_{RRM}$       | 50           | 100  | 200  | 400  | 600  | 800  | 1000  | V          |
| 反向工作峰值电压<br>peak reverse voltage                                                | $V_{RWM}$       | 49           | 70   | 140  | 280  | 420  | 560  | 700   | V          |
| 不重复反向峰值电压<br>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<br>Maximum average forward rectified current                         | $I_{F(AV)}$     | 10           |      |      |      |      |      |       | A          |
| 峰值正向浪涌电流 8.3ms单一正弦半波<br>Peak forward surge current 8.3 ms single half sine-wave | $I_{FSM}$       | 400          |      |      |      |      |      |       | A          |
| 典型热阻 Typical thermal resistance                                                 | $R_{\theta JA}$ | 10           |      |      |      |      |      |       | ℃/W        |
| 工作结温和存储温度<br>Operating junction and storage temperature range                   | $T_j, T_{STG}$  | -55 --- +150 |      |      |      |      |      |       | ℃          |

电特性 TA = 25℃ 除非另有规定。

Electrical Characteristics Ratings at 25℃ ambient temperature unless otherwise specified.

|                                                                           | 符号<br>Symbols | 10A05     | 10A1 | 10A2 | 10A4 | 10A6 | 10A8 | 10A10 | 单位<br>Unit |
|---------------------------------------------------------------------------|---------------|-----------|------|------|------|------|------|-------|------------|
| 最大正向电压 $I_F = 10A$<br>Maximum forward voltage                             | $V_F$         | 1.1       |      |      |      |      |      |       | V          |
| 最大反向漏电流 $TA = 25^{\circ}C$<br>Maximum reverse current $TA = 100^{\circ}C$ | $I_R$         | 10<br>100 |      |      |      |      |      |       | $\mu A$    |
| 典型结电容 $V_R = 4.0V, f = 1MHz$<br>Type junction capacitance                 | $C_j$         | 150       |      |      |      |      |      |       | pF         |

## 特性曲线 Characteristic Curves

