

塑封快恢复整流二极管

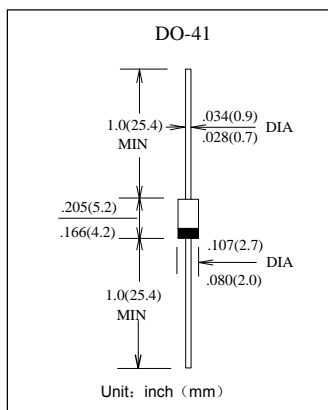
反向电压 200 --- 1000V

正向电流 0.25A

Plastic Fast Recover Rectifier

Reverse Voltage 200 to 1000V

Forward Current 0.25A



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 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 | EU1Z | EU1 | EU1A | EU1B | EU1C | 单位 Unit |
|--|-----------------------------------|--------------|-----|------|------|------|------------|
| 最大可重复峰值反向电压 Maximum repetitive peak reverse voltage | V _{RRM} | 200 | 400 | 600 | 800 | 1000 | V |
| 最大均方根电压 Maximum RMS voltage | V _{RMS} | 140 | 280 | 420 | 560 | 700 | V |
| 最大直流阻断电压 Maximum DC blocking voltage | V _{DC} | 200 | 400 | 600 | 800 | 1000 | V |
| 最大正向平均整流电流 Maximum average forward rectified current | I _{F(AV)} | 0.25 | | | | | 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} | 15 | | | | | A |
| 典型热阻 Typical thermal resistance | R _{θJA} | 65 | | | | | °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 | EU1Z | EU1 | EU1A | EU1B | EU1C | 单位 Unit |
|--|--|-----------|-----|------|------|------|------------|
| 最大正向电压 Maximum forward voltage | I _F = 0.25A | 2.5 | | | | | V |
| 最大反向电流 Maximum reverse current | TA= 25°C TA=100°C | 10 150 | | | | | μA |
| 最大反向恢复时间 MAX. Reverse Recovery Time | I _F =0.5A I _R =1.0A I _{RR} =0.25A | 100 | | | | | nS |
| 典型结电容 Type junction capacitance | V _R = 4.0V, f = 1MHZ | 15 | | | 10 | | pF |

特性曲线 Characteristic Curves

