

名称 Name : **LED3043**

规格及型号 Specifications for Part Number: **LED3043**

| Absolute Maximum Rating/极限参数   |              |                                 |     |     |     |            |
|--|--------------|---------------------------------|-----|-----|-----|------------|
| Parameter<br>参数  | Symbol<br>符号 | Absolute Maximum Rating<br>极限参数 |     |     |     | Unit<br>单位 |
| Forward Current/正向最大电流   | If           | 30                              |     |     |     | mA         |
| Peak Forward Current/峰值电流  | Ifp          | 40                              |     |     |     | mA         |
| Reverse Voltage/最大反向电压   | Vr           | 5                               |     |     |     | V          |
| Power Dissipation/损耗功率   | Pd           | 60                              |     |     |     | mW         |
| Electrostatic Discharge/防静电电压  | HBM          |                                 |     |     |     | V          |
| Operating Temperature/工作温度范围   | Top          | -40°C ~ 80°C                    |     |     |     | °C         |
| Storage Temperature/储存温度范围   | Fstg         | -40°C ~ 100°C                   |     |     |     | °C         |
| Lead Soldering Temperature/焊接温度  | Tsol         | 265 ± 5°C                       |     |     |     | °C         |
| IFP Conditions: Pulse Width ≤ 10msec. and duty ≤ 1/10<br>Initial Electrical/Optical Characteristics/光电参数 |              |                                 |     |     |     |            |
| Parameter<br>参数  | Symbol<br>符号 | Condition<br>测试条件               | Min | Typ | Max | Unit<br>单位 |
| Forward Voltage/正向电压   | VF           | IF=20mA                         | 11  |     | 13  | V          |
| Reverse Current/反向电流   | IR           | VR=5V                           |     |     | 1   | μA         |
| Viewing Angle/发光角度   | 2θ 1/2       | IF=20mA                         | 10  |     | 13  | deg        |
| Luminous Intensity/发光强度  | Iv           | IF=20mA                         | 200 |     | 300 | mcd        |
| Peak Wavelength/峰值波长   | λ P          | IF=20mA                         | 455 |     | 460 | nm         |
| Dominant Wavelength/主波长  | λ d          | IF=20mA                         |     | 457 |     | nm         |
| Spectral width at half height/半波宽度   | Δ λ          | IF=20mA                         |     | 20  |     | nm         |

