

➤ Features/特征:

- Single color/单色
- High bright output/高亮度输出
- High Current Operation/高工作电流
- Low power consumption/低功耗
- High reliability and long life

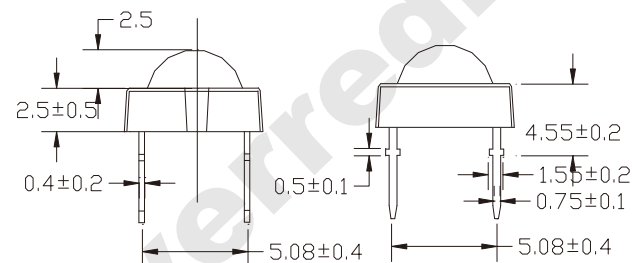
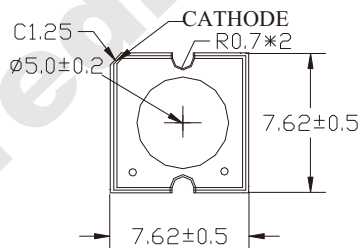
可靠性高、寿命长

- RoHS compliant/符合 RoHS 标准

➤ Descriptions/描述:

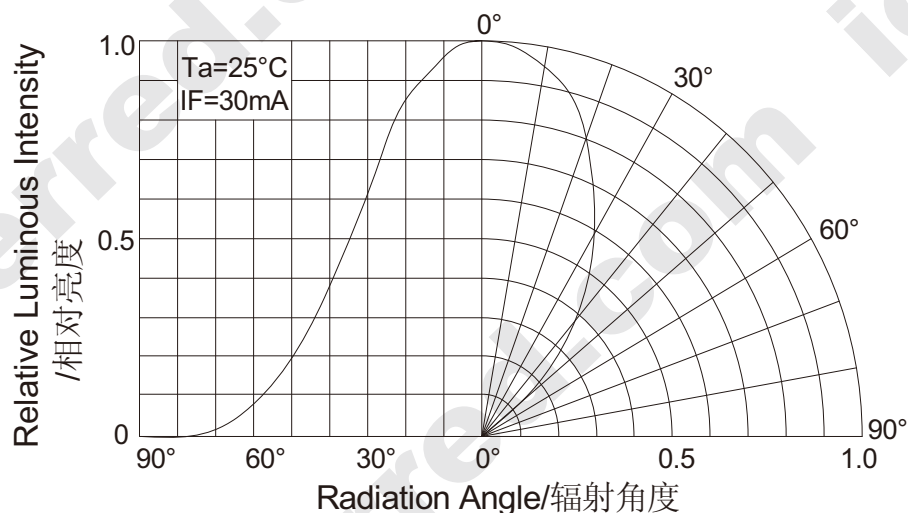
- Dice material/晶片材质: InGaN
- Emitting Color/发光颜色:
Super Bright Green/高亮度绿色
- Device Outline/产品外形:
7.62mmX7.62mm
- Lens Type/胶体颜色:
Water Clear/无色透明

➤ Directivity/指向特性



1. All dimensions are millimeters/单位: mm.
2. Tolerance is +/-0.20mm unless otherwise noted/
没有标注的公差均为±0.20mm.

DIRECTIVITY/指向特性



➤ **Absolute maximum ratings/极限参数 (Ta = 25°C)**

| Parameter 参数 | Symbol 符号 | Test Condition 测试条件 | Values 数值 | | Unit 单位 |
|---------------------------------|-------------------|------------------------|-----------|------|------------|
| | | | Min. | Max. | |
| Reverse Voltage 反向电压 | V _R | I _R = 30 μA | 5 | ---- | V |
| Forward Current 正向工作电流 | I _F | ---- | ---- | 30 | mA |
| Power Dissipation 损耗功率 | P _d | ---- | ---- | 114 | mW |
| Pulse Current 正向峰值电流 | I _{peak} | Duty=0.1mS, 1kHz | ---- | 150 | mA |
| Operating Temperature 工作温度范围 | T _{opr} | ---- | -40 | +85 | °C |
| Storage Temperature 储存温度范围 | T _{str} | ---- | -40 | +100 | °C |

➤ **Electrical and optical characteristics/光电参数 (Ta = 25°C)**

| Parameter 参数 | Symbol 符号 | Test Condition 测试条件 | Values 数值 | | | Unit 单位 |
|-----------------------------------|----------------|------------------------|-----------|------|------|------------|
| | | | Min. | Typ. | Max. | |
| Forward Voltage 正向电压 | V _F | I _F = 30mA | ---- | 3.3 | 3.8 | V |
| Reverse Current 反向电流 | I _R | V _R = 5V | ---- | ---- | 30 | μA |
| Dominate Wavelength 主波长 | λ _d | I _F = 30mA | ---- | 525 | ---- | nm |
| Peak Wavelength 峰值波长 | λ _p | I _F = 30mA | ---- | 520 | ---- | nm |
| Spectral Line half-width 半波长宽度 | Δλ | I _F = 30mA | ---- | 35 | ---- | nm |
| Luminous Flux 光通量 | φ _v | I _F = 30mA | 1.3 | 3 | ---- | lm |
| Viewing Angle 指向角度 | 2θ 1/2 | I _F = 30mA | ---- | 70 | ---- | Deg. |

➤ **Typical electrical/optical characteristic curves/光电特性曲线:**

Fig.1 正向电流 Vs. 正向电压

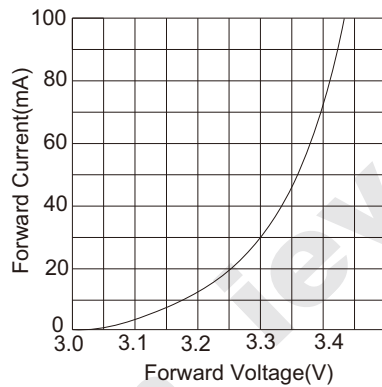


Fig.2 相对亮度 Vs. 正向电流

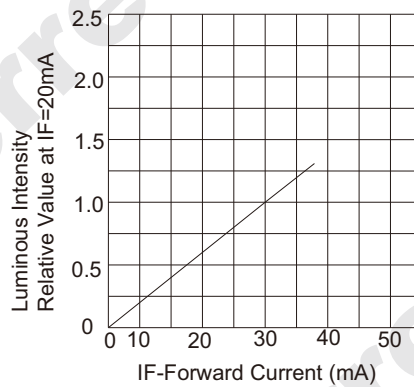


Fig.3 正向电流 Vs. 环境温度

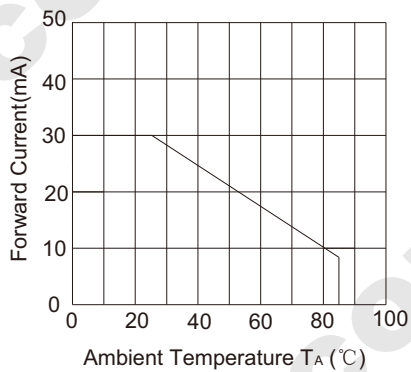


Fig.4 相对亮度 Vs. 环境温度

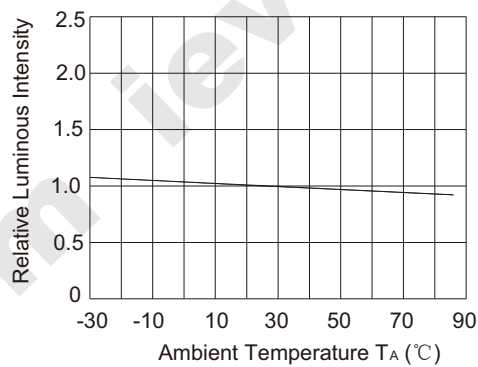


Fig.5 相对亮度 Vs. 波长

