

➤ 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

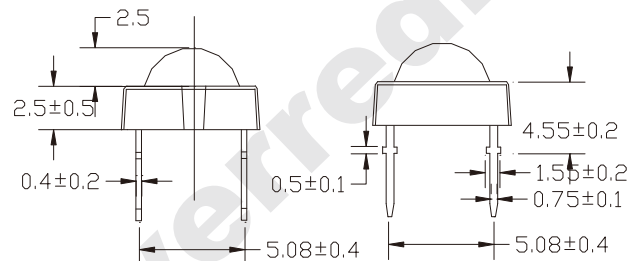
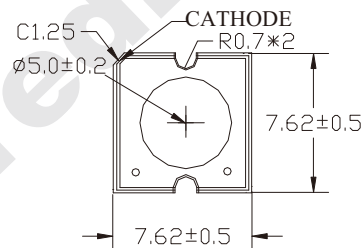
可靠性高、寿命长

- RoHS compliant/符合 RoHS 标准

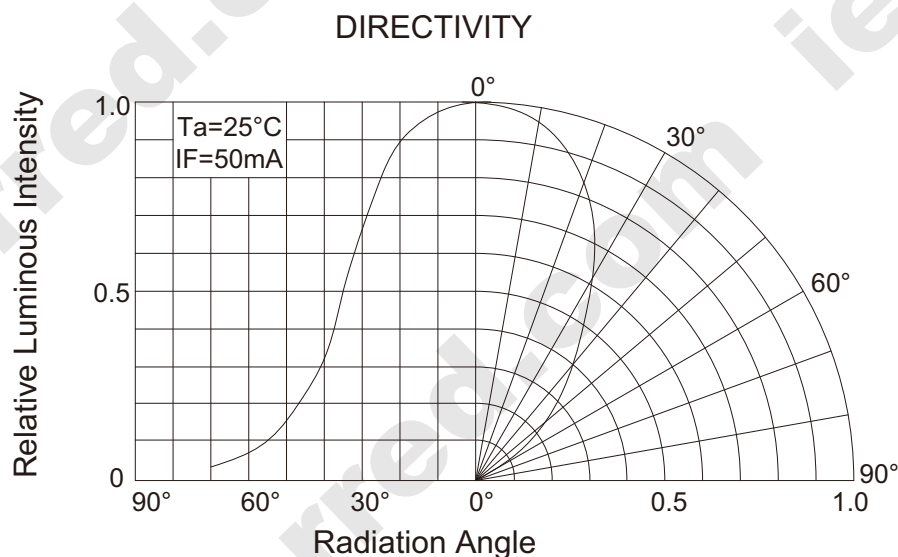
➤ Descriptions/描述:

- Dice material/晶片材质: AlGaInP
- Emitting Color/发光颜色:
Super Bright Red/高亮度红色
- 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.



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

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	----	----	50	mA
Power Dissipation 损耗功率	P _d	----	----	140	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	℃
Storage Temperature 储存温度范围	T _{str}	----	-40	+100	℃

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

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 = 50mA	----	2.4	2.8	V
Reverse Current 反向电流	I _R	V _R = 5V	----	----	30	μA
Dominate Wavelength 主波长	λ _d	I _F = 50mA	----	624	----	nm
Peak Wavelength 峰值波长	λ _p	I _F = 50mA	----	627	----	nm
Spectral Line half-width 半波长宽度	Δλ	I _F = 50mA	----	20	----	nm
Luminous Flux 光通量	Φ _v	I _F = 50mA	1	2	----	lm
Viewing Angle 指向角度	2θ 1/2	I _F = 50mA	----	70	----	Deg.

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

Fig.1 正向电流 Vs. 正向电压

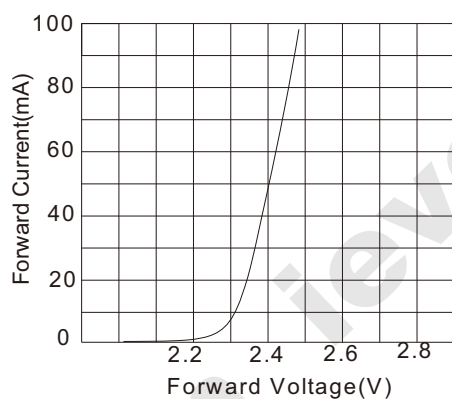


Fig.2 相对亮度 Vs. 正向电流

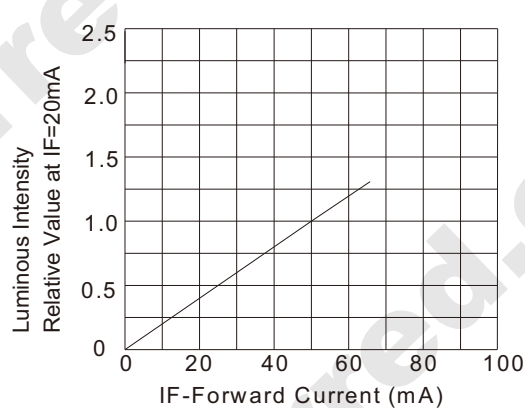


Fig.3 正向电流 Vs. 环境温度

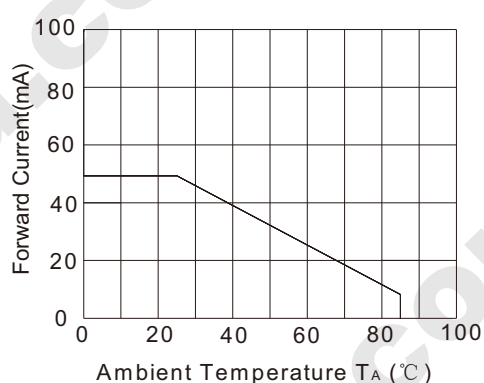


Fig.4 相对亮度 Vs. 环境温度

