

### ➤ 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

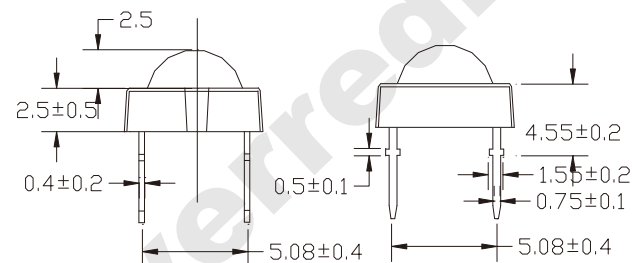
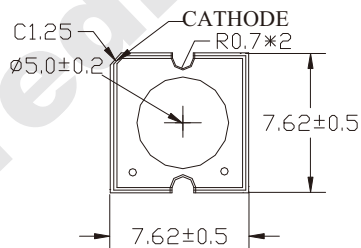
可靠性高、寿命长

- RoHS compliant/符合 RoHS 标准

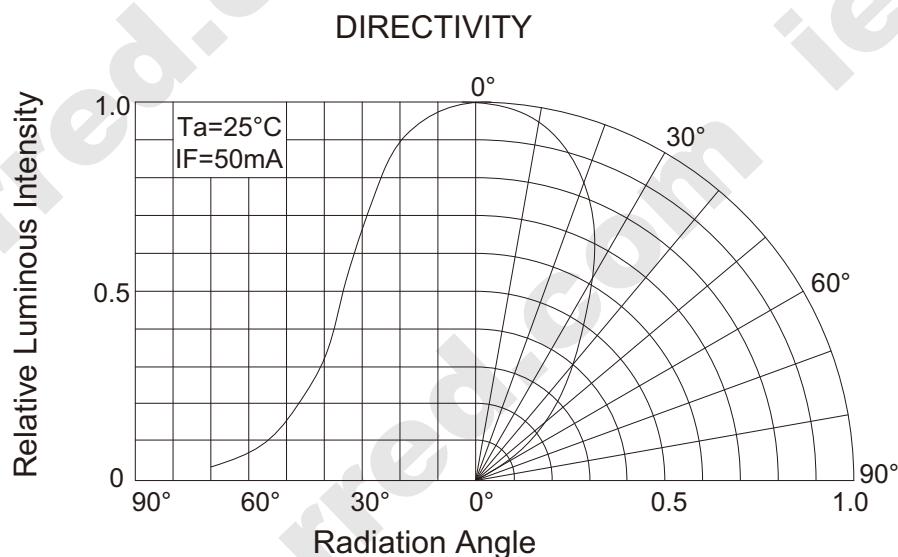
### ➤ Descriptions/描述:

- Dice material/晶片材质: AlGaInP
- Emitting Color/发光颜色:  
Super Bright Yellow/高亮度黄色
- 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°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 <sub>R</sub>	I <sub>R</sub> = 30 μA	5	----	V
Forward Current 正向工作电流	I <sub>F</sub>	----	----	50	mA
Power Dissipation 损耗功率	P <sub>d</sub>	----	----	140	mW
Pulse Current 正向峰值电流	I <sub>peak</sub>	Duty=0.1mS, 1kHz	----	150	mA
Operating Temperature 工作温度范围	T <sub>opr</sub>	----	-40	+85	°C
Storage Temperature 储存温度范围	T <sub>str</sub>	----	-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 <sub>F</sub>	I <sub>F</sub> = 50mA	----	2.4	2.8	V
Reverse Current 反向电流	I <sub>R</sub>	V <sub>R</sub> = 5V	----	----	30	μA
Dominate Wavelength 主波长	λ <sub>d</sub>	I <sub>F</sub> = 50mA	----	589	----	nm
Peak Wavelength 峰值波长	λ <sub>p</sub>	I <sub>F</sub> = 50mA	----	590	----	nm
Spectral Line half-width 半波长宽度	Δλ	I <sub>F</sub> = 50mA	----	20	----	nm
Luminous Flux 光通量	φ <sub>v</sub>	I <sub>F</sub> = 50mA	1.3	3	----	lm
Viewing Angle 指向角度	2θ 1/2	I <sub>F</sub> = 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

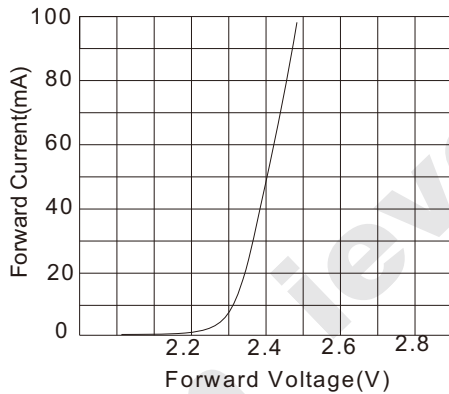


Fig.2 相对亮度 Vs. 正向电流

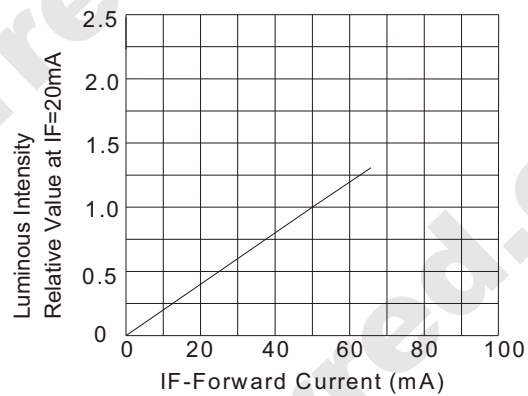


Fig.3 正向电流 Vs. 环境温度

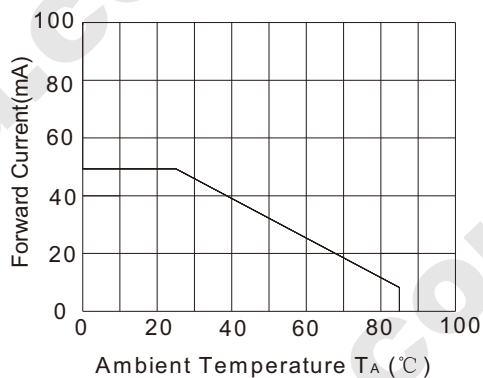


Fig.4 相对亮度 Vs. 环境温度

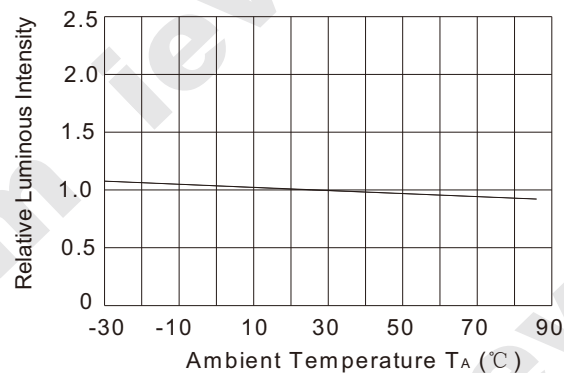


Fig.5 相对亮度 Vs. 波长

