

**ATTENTION**

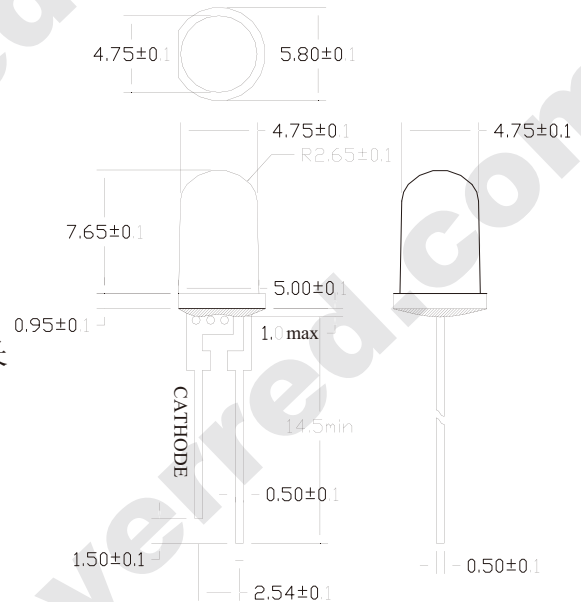
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

➤ Features/特征:

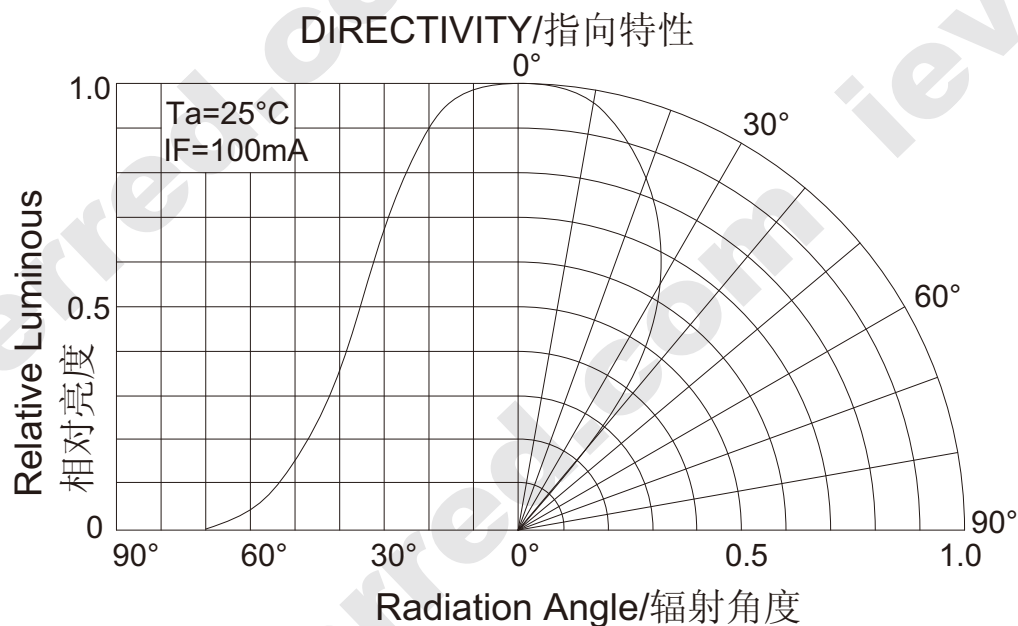
- Single color/特征
- High bright output/高亮度输出
- Medium power consumption/中功耗
- High reliability and long life/可靠性高、寿命长

➤ Descriptions:

- Dice material/芯片材质: GaInN
- Emitting Color/发光颜色:
Super Bright Blue/高亮度蓝色
- Device Outline/产品外形:
φ 5mm Round Type/5mm 圆形
- Lens Type/胶体颜色: Water Clear/无色透明

**NOTE/注意:**

- All dimensions are millimeters/单位: mm
- Tolerance is +/-0.20mm unless otherwise noted/没有标注的公差为±0.20mm



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

Parameter 参数	Symbol 符号	Test Condition 测试条件	Value 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	----	----	120	mA
Power Dissipation 损耗功率	P _d	----	----	0.48	W
Pulse Current 正向峰值电流	I _{peak}	Duty=0.1mS, 1kHz	----	200	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	Value 数值			Unit 单位
			Min.	Typ.	Max.	
Forward Voltage 正向电压	V _F	I _F = 100mA	----	3.5	4	V
Reverse Current 反向电流	I _R	V _R = 5V	----	----	30	μA
Dominate Wavelength 主波长	λ _d	I _F =20mA	----	470	----	nm
Peak Wavelength 峰值波长	λ _p	I _F =20mA	----	468	----	nm
Spectral Line half-width 半波长宽度	Δλ	I _F =20mA	----	20	----	nm
Luminous Flux 发光强度	Φ _v	I _F = 100mA	3	5	-	lm
Viewing Angle 指向角度	2θ 1/2	I _F = 100mA	----	75	----	Deg.

➤ **Luminous Intensity Bins Chart/光通量(Unit: lm) (Ta = 25°C)**

Bin	K	L	M	N	AE
Min	3.6	4.7	6	7.8	10
Max	4.7	6	7.8	10	13

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

Fig.1 正向电流 Vs. 正向电压

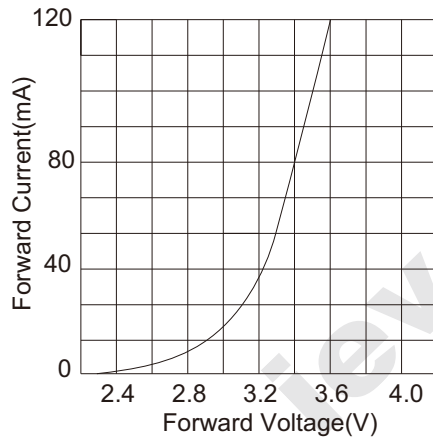


Fig.2 相对亮度 Vs. 正向电流

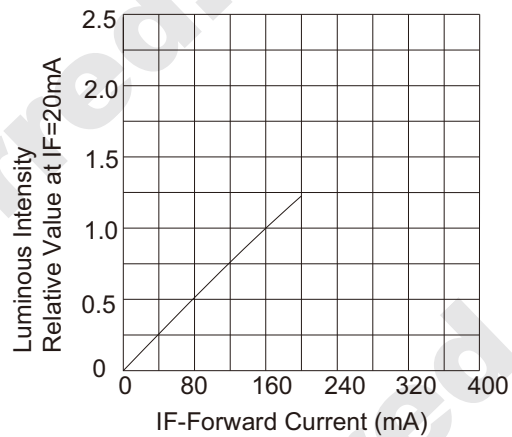


Fig.3 正向电流 Vs. 环境温度

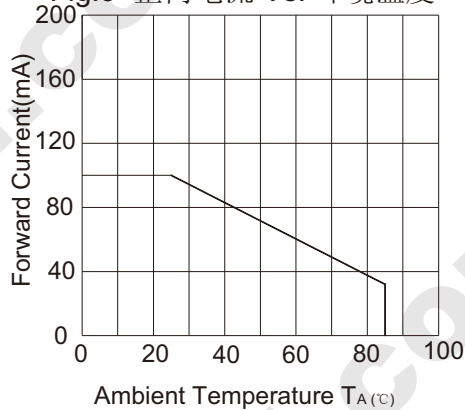


Fig.4 相对亮度 Vs. 环境温度

