LED SPECIFICATION

LED-020-55066

ATTENTION

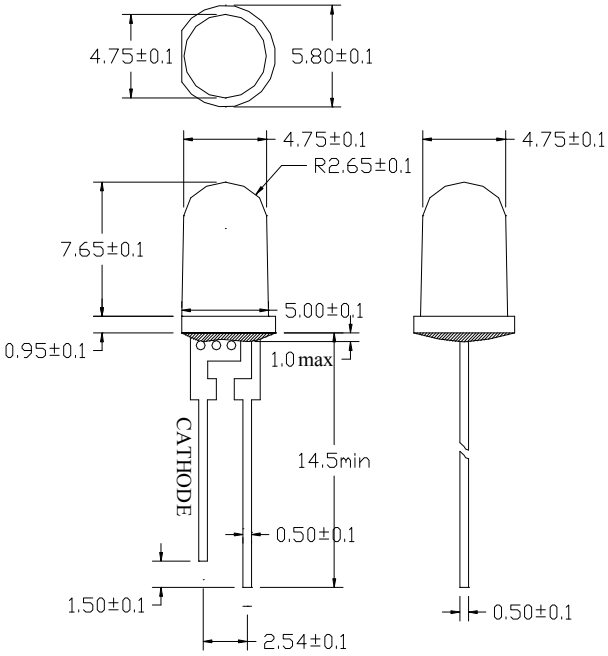
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features：

- Single color
- High bright output
- Medium power consumption
- High reliability and long life

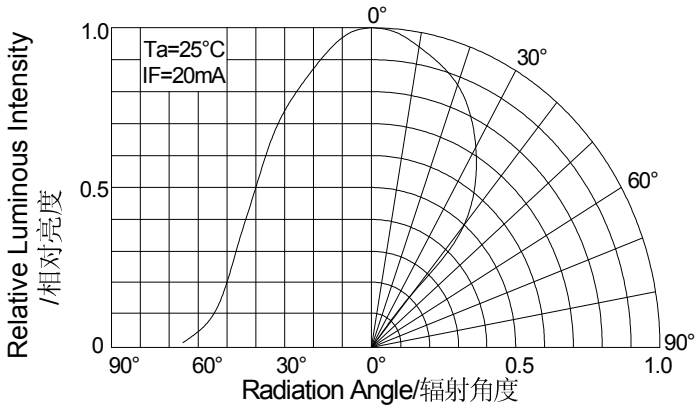
Descriptions：

- Dice material：GaInN
- Emitting Color：Super Bright Blue
- Device Outline： Φ5mm Round Type
- Lens Type：Water Clear



NOTE:

- All dimensions are millimetres.
- Tolerance is +/-0.25mmunless otherivise noted



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Absolute maximum ratings（Ta = 25℃）

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
Reverse Voltage	V_R	I_R = 30μA	5	--	V
Forward Current	I_F	----	----	100	mA
Power Dissipation	Pd	----	----	0.5	W
Pulse Current	Ipeak	Duty=0.1mS，1kHz	----	200	mA
Operating Temperature	Topr	----	-20	+85	℃
Storage Temperature	Tstr	----	-25	+100	℃

Electrical and optical characteristics （Ta = 25℃）

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	V_F	I_F = 100mA	3.4	----	4	V
Reverse Current	I_R	V_R = 5V	----	----	30	μA
Luminous Flux	Φv	I_F = 100mA	2.8	----	4.7	lm
Color Temperature	CCT	I_F = 100mA	----	----	----	K
Viewing Angle	2θ1/2	I_F = 100mA	----	85	----	Deg.

Luminous Flux Bins（Ta = 25℃） Unit:lm

Bin	F	G	H	J	K	L
Min	1.3	1.7	2.2	2.8	3.6	4.7
Max	1.7	2.2	2.8	3.6	4.7	6.0

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Typical electrical/optical characteristic curves：

Fig.1 正向电流 Vs. 正向电压

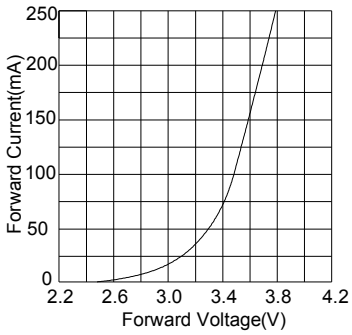


Fig.2 相对亮度 Vs. 正向电流

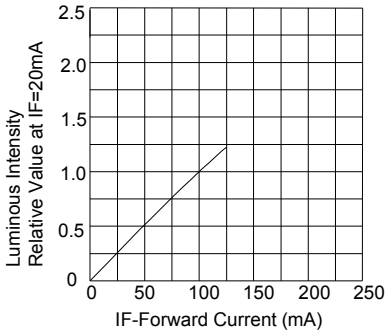


Fig.3 正向电流 Vs. 环境温度

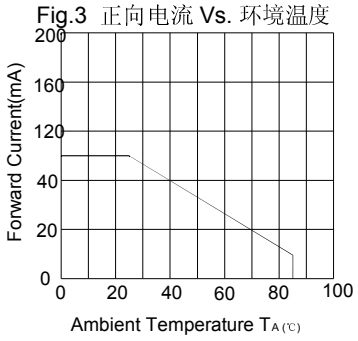


Fig.4 相对亮度 Vs. 环境温度

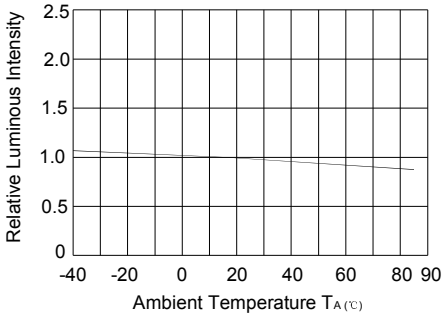
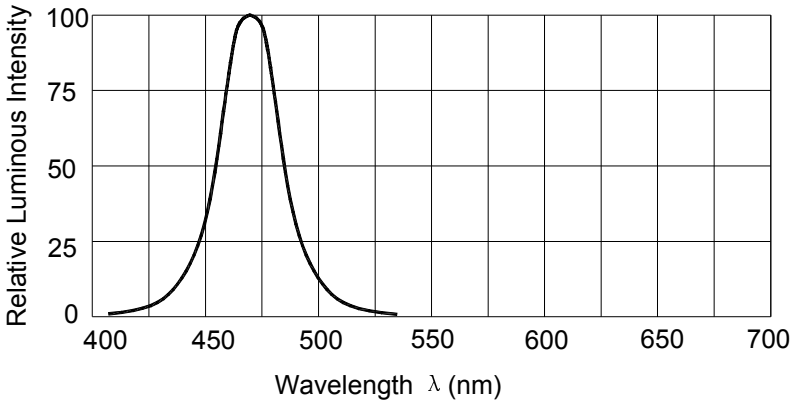


Fig.5 相对亮度 Vs. 波长



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