

LED-080-50114



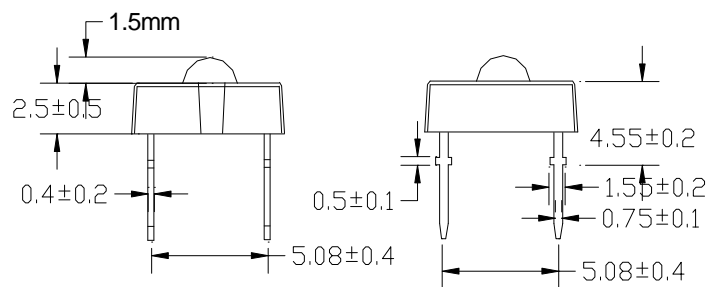
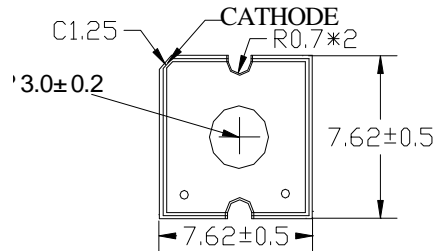
ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

➤ **Features:**

- Single color
- High Luminous Flux output
- High Current Operation
- Low power consumption
- High reliability and long life

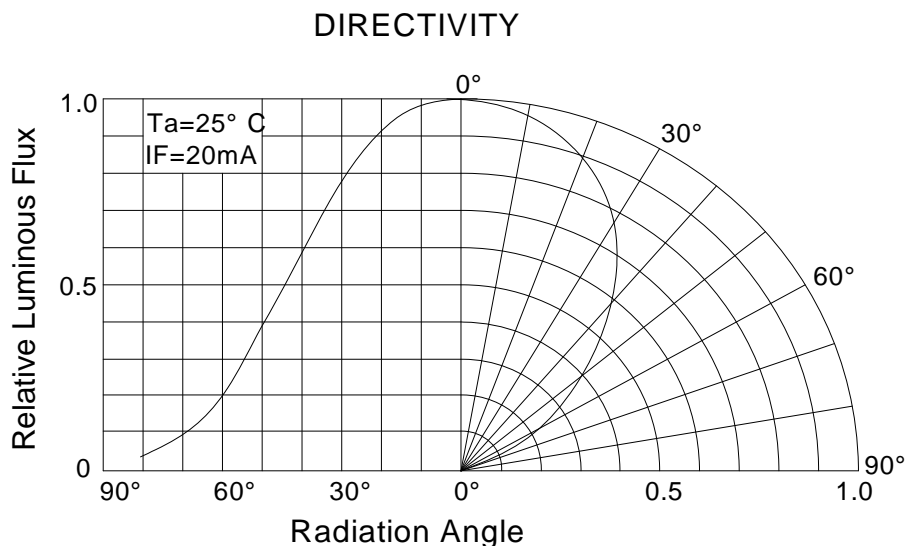
➤ **Descriptions:**

- Dice material: InGaN
- Emitting Color: Super Bright BlueGreen
- Device Outline: 7.62mmX7.62mm
- Lens Type: Water Clear



NOTE:

- All dimensions are millimetres.
- Tolerance is +/-0.25mm unless otherwise



Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
Reverse Voltage	V _R	I _R = 30 μ A	5	----	V
Forward Current	I _F	----	----	50	mA
Power Dissipation	P _d	----	----	210	mW
Pulse Current	I _{peak}	Duty=0.1mS, 1kHz	----	150	mA
Operating Temperature	T _{opr}	----	-40	+85	°C
Storage Temperature	T _{str}	----	-40	+100	°C

➤ **Electrical and optical characteristics (Ta = 25°C)**

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =30mA	----	3.4	4.0	V
Reverse Current	I _R	V _R =5V	----	----	30	μ A
Dominate Wavelength	λ _d	I _F =30mA	----	505	----	nm
Peak Wavelength	λ _p	I _F =30mA	----	500	----	nm
Spectral Line half-width	Δ λ	I _F =30mA	----	35	----	nm
Luminous Flux	φ _v	I _F =30mA	2.2	----	3.6	lm
Viewing Angle	2 θ 1/2	I _F =30mA	70	----	80	Deg.

➤ **Typical electrical/optical characteristic curves:**

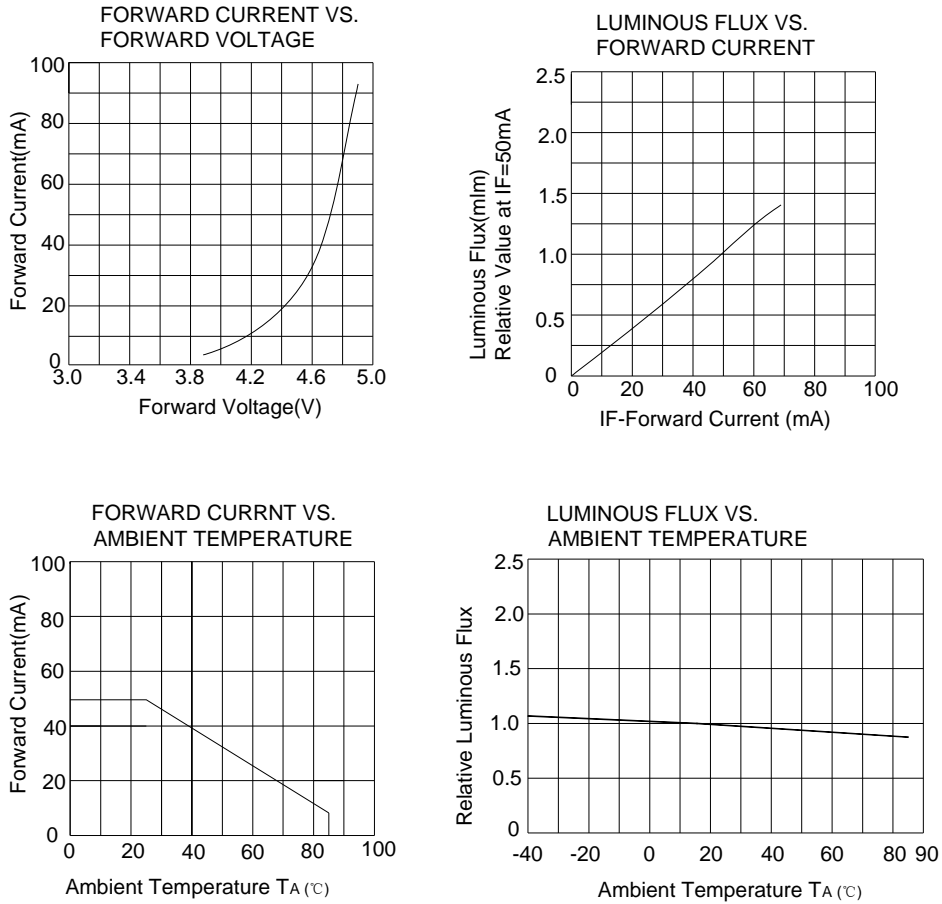


Fig.5 相对亮度 Vs. 波长

