



LED SPECIFICATION

Part No.: **7511IB7D**



ATTENTION

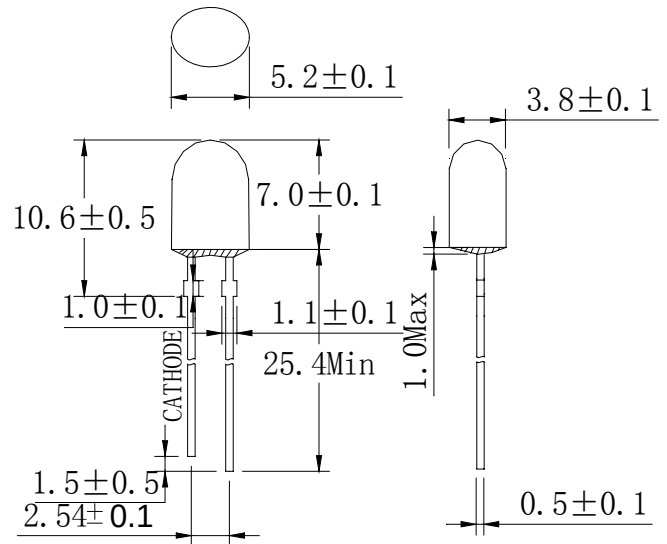
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Features:

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

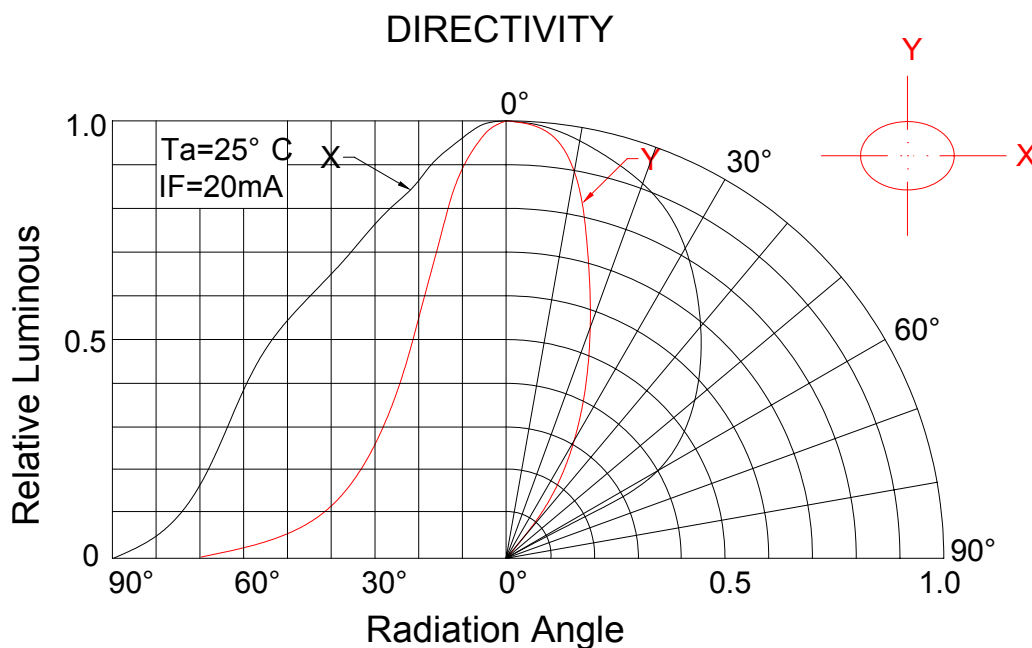
Descriptions:

- Dice material: InGaN
- Emitting Color: Super Bright Blue
- Device Outline: $5.2 \times 3.8\text{mm}$ Oval Type
- Lens Type: Blue Diffused



NOTE:

- All dimensions are millimetres.
- Tolerance is $\pm 0.25\text{mm}$ unless otherwise noted





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Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
Reverse Voltage	VR	IR = 30 μ A	5	--	V
Forward Current	IF	----	----	30	mA
Power Dissipation	Pd	----	----	105	mW
Pulse Current	Ipeak	Duty=0.1mS, 1kHz	----	100	mA
Operating Temperature	Topr	----	-20	+85	°C
Storage Temperature	Tstr	----	-25	+100	°C

Electrical and optical characteristics (Ta = 25°C)

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	VF	IF = 20mA	----	3.2	3.5	V
Reverse Current	IR	VR = 5V	----	----	30	μ A
Dominate Wavelength	λ_d	IF = 20mA	----	470	----	nm
Spectral Line half-width	$\Delta \lambda$	IF = 20mA	----	22	----	nm
Luminous Intensity	IV	IF = 20mA	----	400	----	mcd
Viewing Angle	2 θ 1/2	IF = 20mA	----	110/50	----	Deg.



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Typical electrical/optical characteristic curves:

