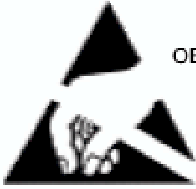


LED SPECIFICATION

Part No.: 530xW8C



ATTENTION

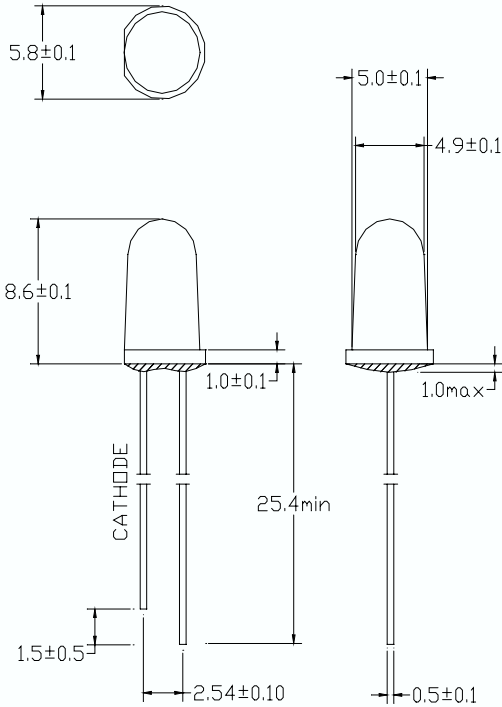
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Features:

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

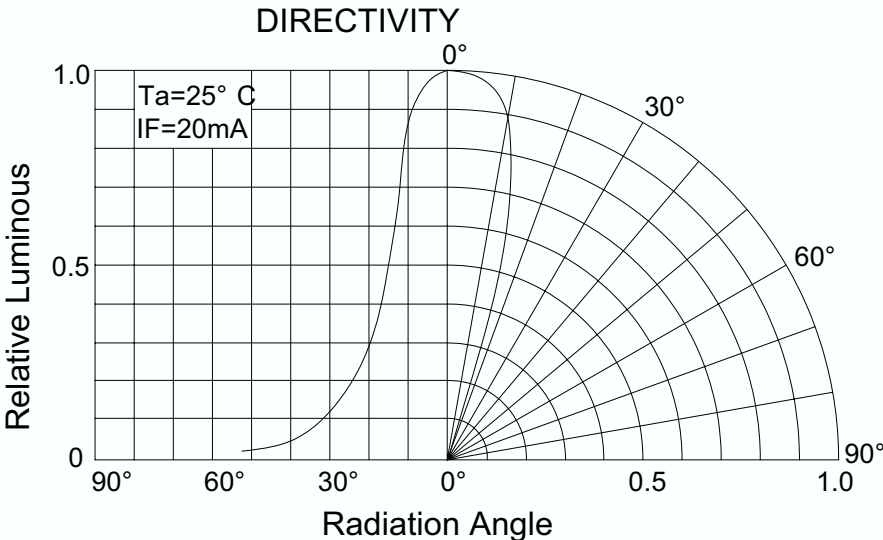
Descriptions:

- Dice material: GaInN
- Emitting Color: Super Bright White
- Device Outline: ϕ 5mm Round Type
- Lens Type: Water Clear



NOTE:

- All dimensions are millimetres.
- Tolerance is ± 0.25 mm unless otherwise noted



LED SPECIFICATION

Part No.: " " 530xW8C

Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
Reverse Voltage	V _R	I _R = 30 μA	5	--	V
Forward Current	I _F	----	----	30	mA
Power Dissipation	P _d	----	----	108	mW
Pulse Current	I _{peak}	Duty=0.1mS, 1kHz	----	100	mA
Operating Temperature	T _{opr}	----	-20	+85	°C
Storage Temperature	T _{str}	----	-25	+100	°C

Electrical and optical characteristics (Ta = 25°C)

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	V _F	I _F = 20mA	----	3.2	3.6	V
Reverse Current	I _R	V _R = 5V	----	----	30	μA
Luminous Intensity	I _V	I _F = 20mA	----	BIN	---	mcd
Viewing Angle	2 θ 1/2	I _F = 20mA	23		30	Deg.

Luminous Intensity Bins Chart (Ta = 25°C)

Bin	W	X1	X2	Y1	Y2	Z1
Min	3000	4000	5000	6000	7000	8000
Max	4000	5000	6000	7000	8000	10000

LED SPECIFICATION

Part No.: " " " 530xW8C

Typical electrical/optical characteristic curves:

