

ATTENTION

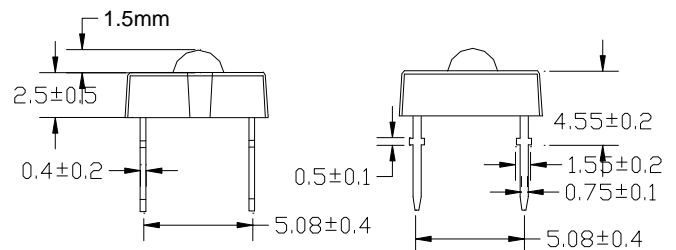
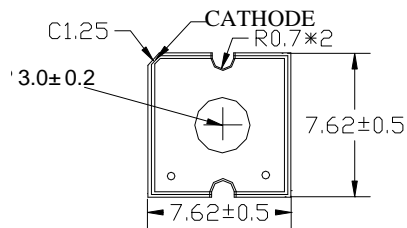
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

➤ **Features:**

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

➤ **Descriptions:**

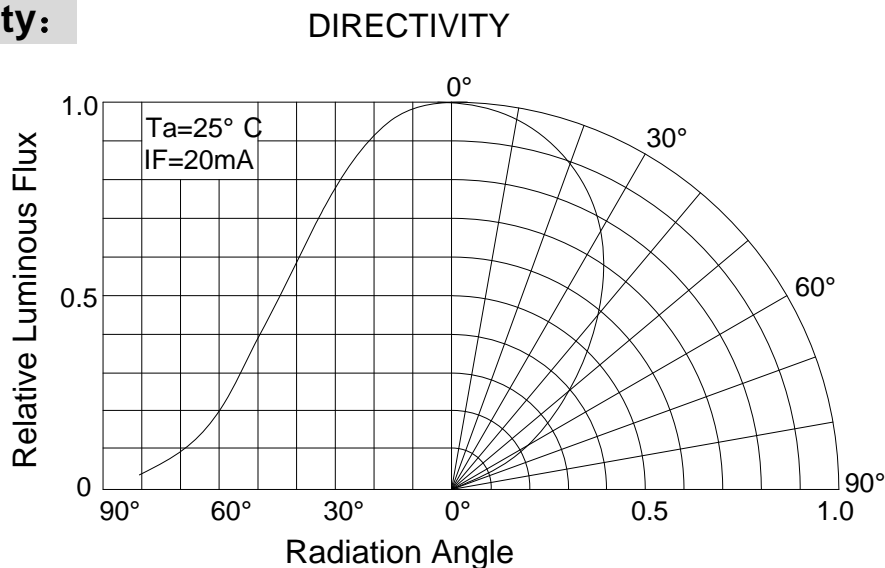
- Dice material: InGaN
- Emitting Color:
Super Bright White
- Device Outline:
7.62mmX7.62mm
- Lens Type:
Water Clear

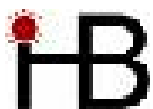


NOTE:

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

➤ **Directivity:**





➤ **Absolute maximum ratings (Ta = 25°C)**

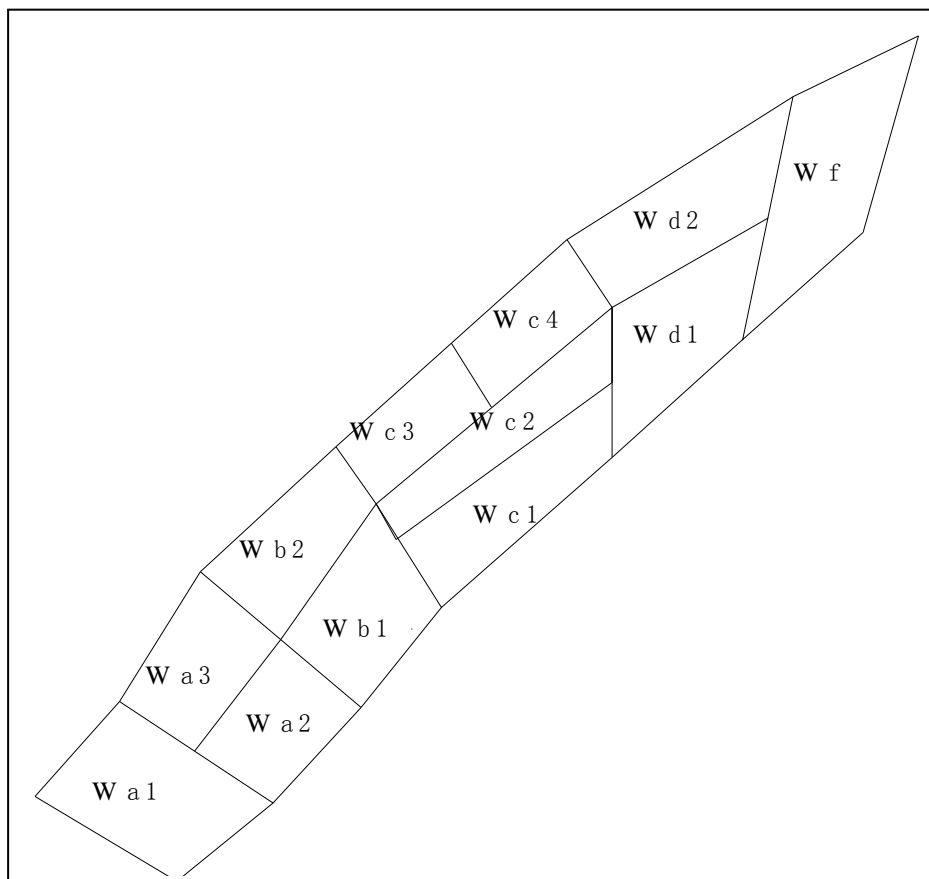
Parameter	Symbol	Test Condition	Values		Unit
			Min.	Max.	
Reverse Voltage	V _R	I _R = 30 μ A	5	----	V
Forward Current	I _F	----	----	30	mA
Power Dissipation	P _d	----	----	200	mW
Pulse Current	I _{peak}	Duty=0.1mS, 1kHz	----	150	mA
Operating Temperature	T _{opr}	----	-40	+85	°C
Storage Temperature	T _{str}	----	-40	+100	°C

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

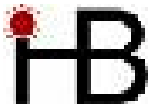
Parameter	Symbol	Test Condition	Values			Unit
			Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =30mA	----	3.4	4.0	V
Reverse Current	I _R	V _R =5V	----	----	30	μ A
Luminous Flux	φ _v	I _F =30mA	2.8	----	----	lm
Viewing Angle	2 θ 1/2	I _F =30mA	70	----	80	Deg.



➤ **Bin Grade Limits(IF=30mA) Characteristics (Ta=25°C)/ BIN**



Wa1	X	0.243	0.215	0.230	0.263	Wa2	X	0.263	0.246	0.264	0.280
	Y	0.200	0.230	0.250	0.220		Y	0.220	0.236	0.267	0.248
Wa3	X	0.246	0.230	0.248	0.264	Wb1	X	0.280	0.264	0.283	0.296
	Y	0.236	0.250	0.286	0.267		Y	0.248	0.267	0.305	0.276
Wb2	X	0.264	0.248	0.275	0.283	Wc1	X	0.296	0.287	0.330	0.330
	Y	0.267	0.286	0.321	0.305		Y	0.276	0.295	0.339	0.318
Wc2	X	0.287	0.283	0.330	0.330	Wc3	X	0.283	0.275	0.298	0.306
	Y	0.295	0.305	0.360	0.339		Y	0.305	0.321	0.350	0.332
Wc4	X	0.306	0.298	0.321	0.330	Wd1	X	0.330	0.330	0.361	0.356
	Y	0.332	0.350	0.379	0.360		Y	0.318	0.360	0.385	0.351
Wd2	X	0.330	0.321	0.366	0.361	Wf	X	0.356	0.366	0.391	0.380
	Y	0.360	0.379	0.419	0.385		Y	0.351	0.419	0.436	0.381



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

