



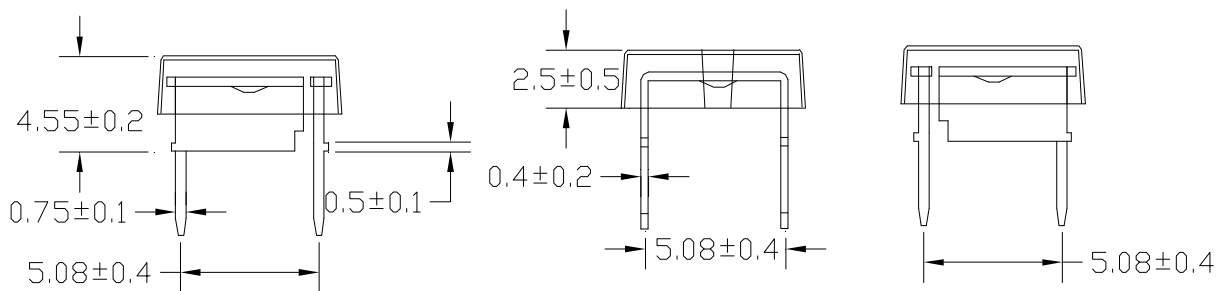
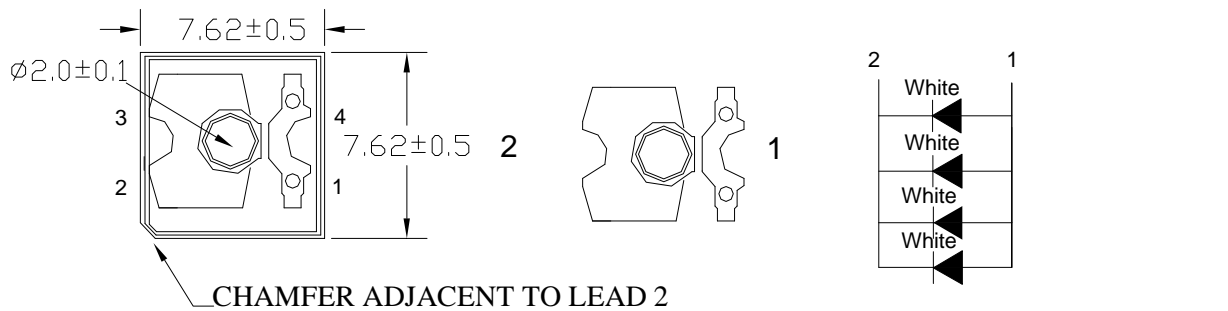
**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
DISCHARGE  
SENSITIVE  
DEVICES

#### ➤ Features:

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

#### ➤ Descriptions:

- Dice material:  
W/W/W: InGaN / InGaN /InGaN
- Device Outline: 7.6mmX7.6mm
- Lens Type: White Diffuse



#### NOTE:

1. All dimensions are millimeters
2. Tolerance is  $\pm 0.25$ mm unless otherwise noted

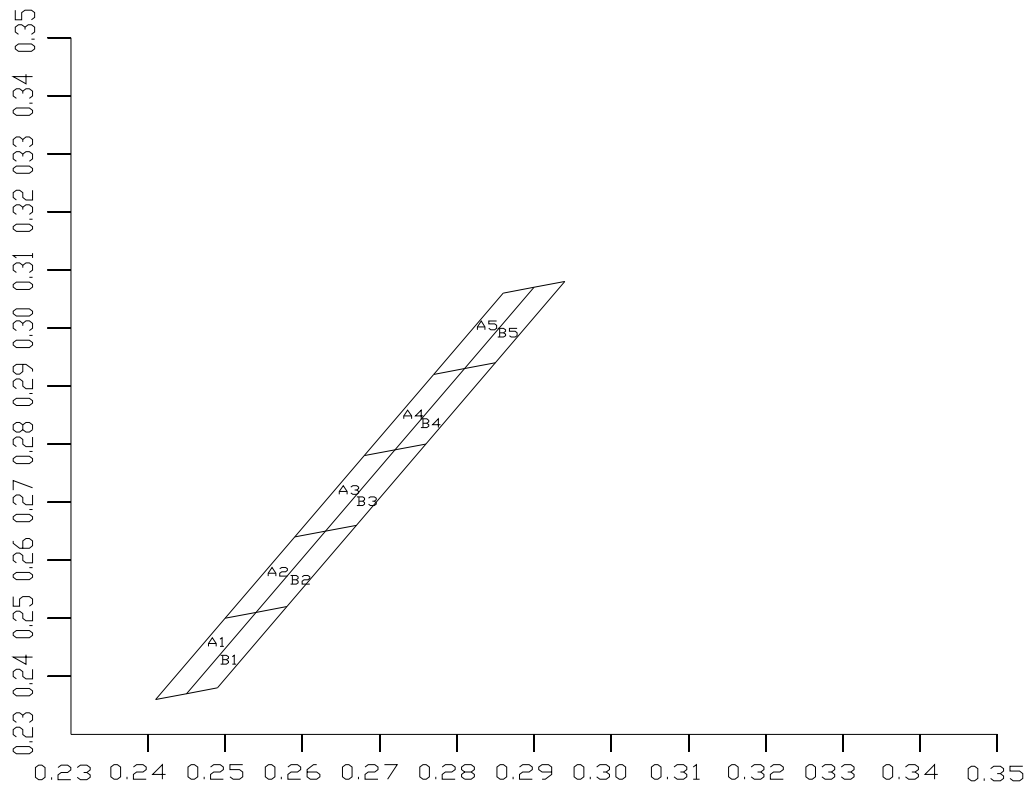
➤ **Absolute maximum ratings (Ta = 25°C)**

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
Reverse Voltage	V <sub>R</sub>	I <sub>R</sub> = 10 μ A	5	----	V
Forward Current	I <sub>F</sub>	----	----	80	mA
Power Dissipation	P <sub>d</sub>	----	----	300	mW
Pulse Current	I <sub>peak</sub>	Duty=0.1mS, 1kHz	----	150	mA
Operating Temperature	T <sub>opr</sub>	----	-45	+85	°C
Storage Temperature	T <sub>str</sub>	----	-40	+100	°C

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

Parameter	Color	Symbol	Test Condition	Value			Unit
				Min.	Typ.	Max.	
Forward Voltage	W	V <sub>F</sub>	I <sub>F</sub> = 80mA	----	3.2	3.6	V
Reverse Current	W	I <sub>R</sub>	V <sub>R</sub> = 5V	----	----	10	μ A
Luminous Intensity	W	I <sub>v</sub>	I <sub>F</sub> = 80mA	----	8.0	----	Lm
Viewing Angle	W	2 θ 1/2	I <sub>F</sub> = 80mA	----	120	----	Deg.

➤ **Bin Grade Limits(IF=20mA) Characteristics (Ta=25°C)**



A1	x	0.241	0.250	0.254	0.245	B1	x	0.245	0.254	0.258	0.249
	y	0.236	0.250	0.251	0.237		y	0.237	0.251	0.252	0.238
A2	x	0.250	0.259	0.263	0.254	B2	x	0.254	0.263	0.267	0.258
	y	0.250	0.264	0.265	0.251		y	0.251	0.265	0.266	0.252
A3	x	0.259	0.268	0.272	0.263	B3	x	0.263	0.272	0.276	0.267
	y	0.264	0.278	0.279	0.265		y	0.265	0.279	0.280	0.266
A4	x	0.268	0.277	0.281	0.272	B4	x	0.272	0.281	0.285	0.276
	y	0.278	0.292	0.293	0.279		y	0.279	0.293	0.294	0.280
A5	x	0.277	0.286	0.290	0.281	B5	x	0.281	0.290	0.294	0.285
	y	0.292	0.305	0.306	0.293		y	0.293	0.306	0.307	0.294

#### ➤ Typical electrical/optical characteristic curves

Fig.1 正向电流 Vs. 正向电压

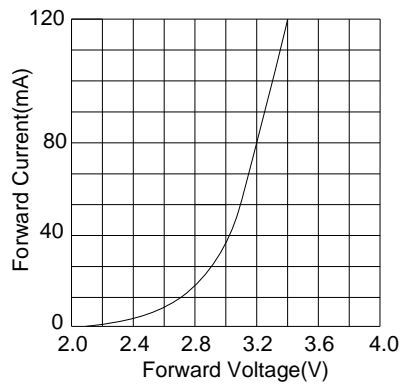


Fig.2 相对亮度 Vs. 正向电流

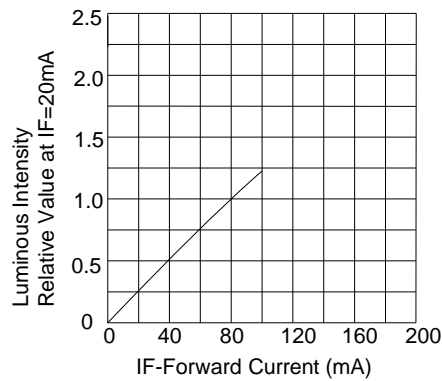


Fig.3 正向电流 Vs. 环境温度

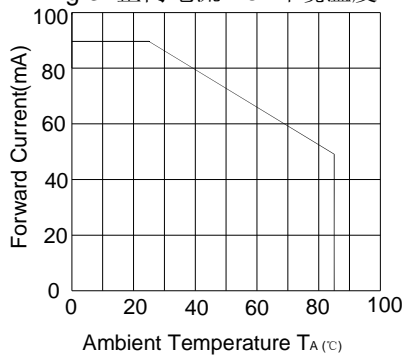


Fig.4 相对亮度 Vs. 环境温度

