

LED-080-70118



ATTENTION

OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

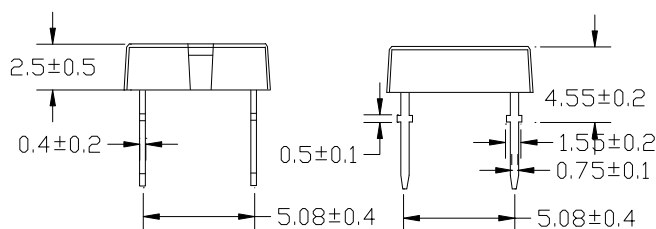
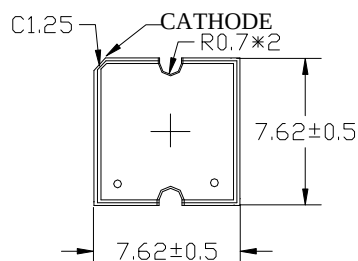
➤ **Features/特征:**

- High reliability and long life/
可靠性高、寿命长
- Low power consumption/低功耗
- Single color/单色
- High bright output/高亮度输出

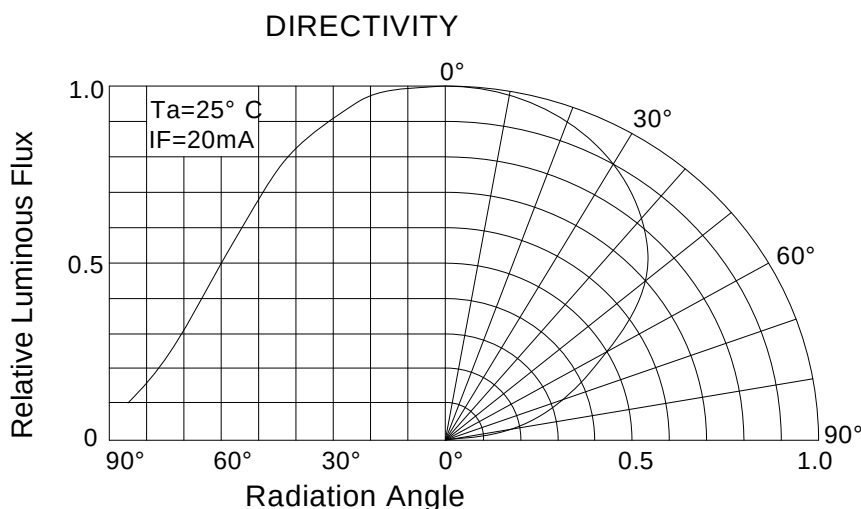
➤ **Descriptions/描述:**

- Dice material/芯片材质: InGaN
- Emitting Color/发光颜色:
Warm color white/暖白色
- Device Outline/产品外形:
7.62mmX7.62mm
- Lens Type 胶体颜色:
Water Clear/ 无色透明

➤ **Directivity/指向特性:**



1. All dimensions are millimeters/单位: mm.
2. Tolerance is +/-0.25mm unless otherwise noted/
没有标注的公差均为±0.25mm.



➤ **Absolute maximum ratings/极限参数 (Ta = 25℃)**

Parameter 参数	Symbol 符号	Test Condition 测试条件	Values 数值		Unit 单位
			Min.	Max.	
Reverse Voltage 反向电压	V _R	I _R = 30 μ A	5	----	V
Forward Current 正向工作电流	I _F	----	----	50	mA
Power Dissipation 损耗功率	P _d	----	----	200	mW
Pulse Current 正向峰值电流	I _{peak}	Duty=0.1mS, 1kHz	----	150	mA
Operating Temperature 工作温度范围	T _{opr}	----	-40	+85	℃
Storage Temperature 储存温度范围	T _{str}	----	-40	+100	℃

➤ **Electrical and optical characteristics/光电参数 (Ta = 25℃)**

Parameter 参数	Symbol 符号	Test Condition 测试条件	Values 数值			Unit 单位
			Min.	Typ.	Max.	
Forward Voltage 正向电压	V _F	I _F =30mA	----	3.4	4.0	V
Reverse Current 反向电流	I _R	V _R =5V	----	----	30	μ A
Luminous Flux 光通量	φ _v	I _F =30mA	4.7	----	7.8	lm
Viewing Angle 角度	2 θ 1/2	I _F =30mA	110	----	130	Deg.

Color Temperature Bins Char/色温分档 (Ta = 25℃)

Bin	WP0	WP1	WP2	WP3	WP4
CCT	<2500	2500~2800	2800~3000	3000~3300	3300~3600
Bin	WP5	WP6	WP7	WP8	WP9
CCT	3600~4000	4000~4500	4500~5000	5000~6000	>6000

➤ Typical electrical/optical characteristic curves/光电特性曲线:

Fig.1 正向电流 Vs. 正向电压

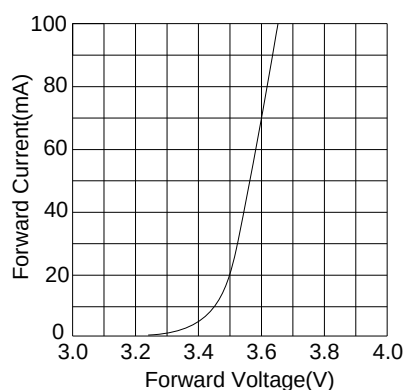


Fig.2 相对亮度 Vs. 正向电流

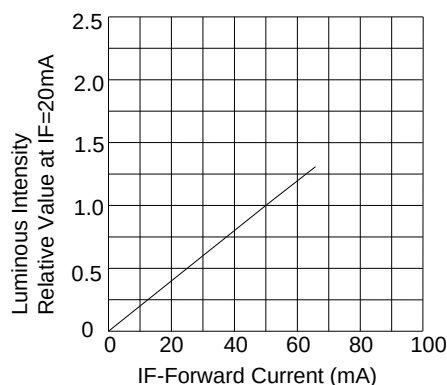


Fig.3 正向电流 Vs. 环境温度

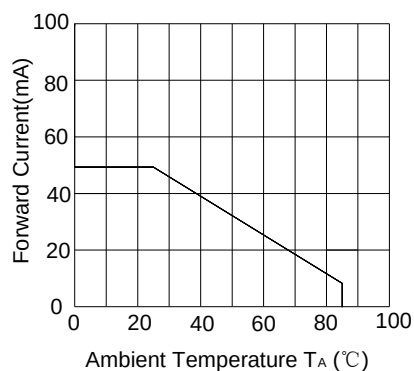


Fig.4 相对亮度 Vs. 环境温度

