



ATTENTION

OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

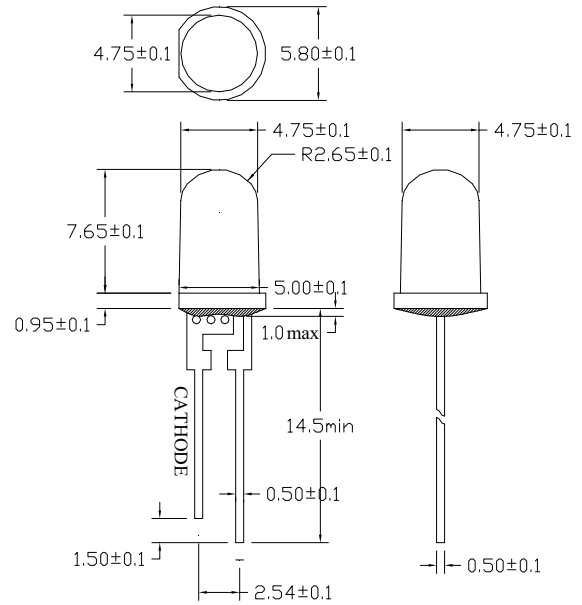
LED-020-70070

Features/特征:

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

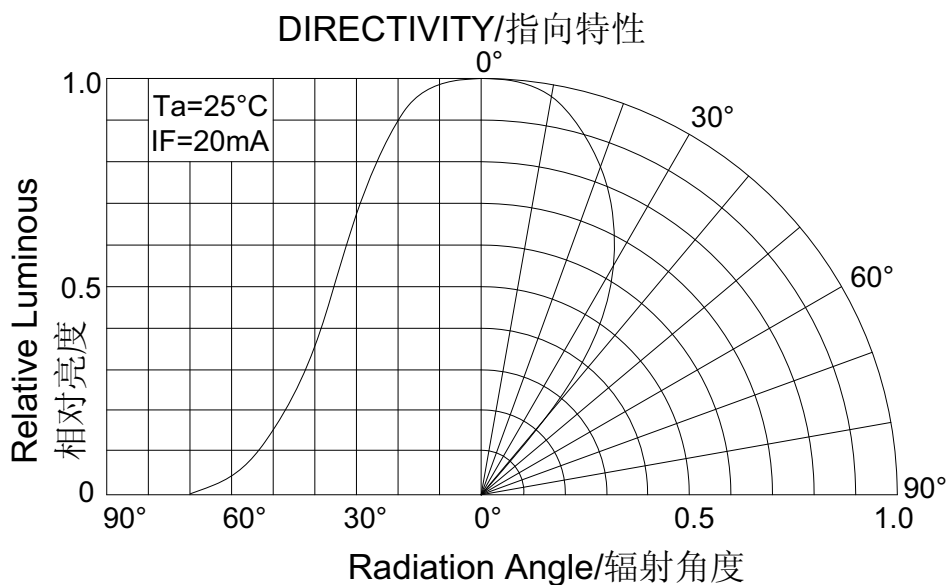
Descriptions:

- Dice material/芯片材质: GaInN
- Emitting Color/发光颜色:
Super Bright White/高亮度白色
- Device Outline/产品外形:
φ5mm Round Type/5mm 圆形
- Lens Type/胶体颜色: Water Clear/无色透明



NOTE/注意:

- All dimensions are millimeters/单位: mm
- Tolerance is +/-0.25mm unless otherwise noted/没有标注的公差为±0.25mm



Absolute maximum ratings/极限参数 (Ta = 25°C)

Parameter 参数	Symbol 符号	Test Condition 测试条件	Value 数值		Unit 单位
			Min.	Max.	
Reverse Voltage 反向电压	V _R	I _R = 30 μA	5	--	V
Forward Current 正向工作电流	I _F	----	----	120	mA
Power Dissipation 损耗功率	P _d	----	----	4.8	W
Pulse Current 正向峰值电流	I _{peak}	Duty=0.1mS, 1kHz	----	200	mA
Operating Temperature 工作温度范围	T _{opr}	----	-20	+85	°C
Storage Temperature 储存温度范围	T _{str}	----	-25	+100	°C

Electrical and optical characteristics /光电参数 (Ta = 25°C)

Parameter 参数	Symbol 符号	Test Condition 测试条件	Value 数值			Unit 单位
			Min.	Typ.	Max.	
Forward Voltage 正向电压	V _F	I _F = 100mA	----	3.5	4.0	V
Reverse Current 反向电流	I _R	V _R = 5V	----	----	30	μA
Luminous Flux 发光强度	Φ _v	I _F = 100mA	7.8	15	-	lm
Viewing Angle 指向角度	2θ 1/2	I _F = 100mA	70	----	90	Deg.
Chromaticity Coordinates 色度坐标	X,Y	I _F = 100mA	-----			--

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

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

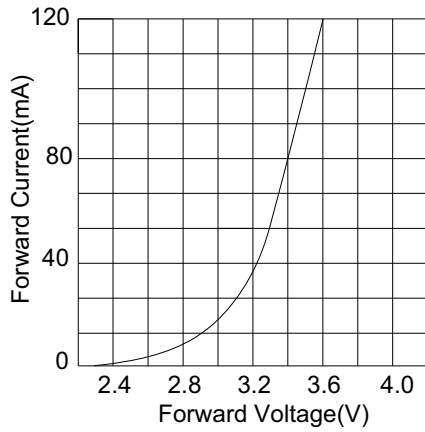


Fig.2 相对亮度 Vs. 正向电流

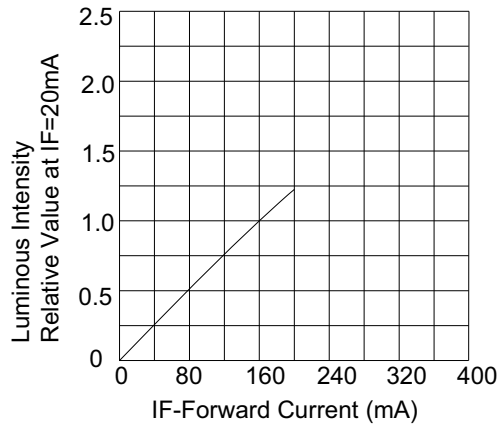


Fig.3 正向电流 Vs. 环境温度

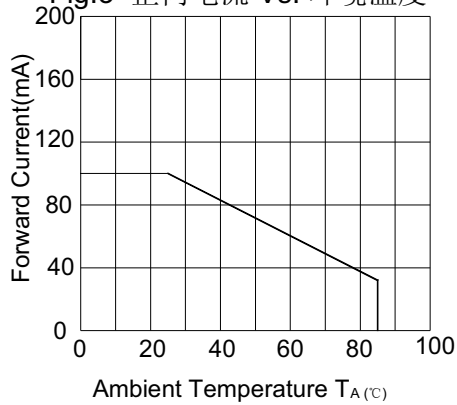


Fig.4 相对亮度 Vs. 环境温度

