



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

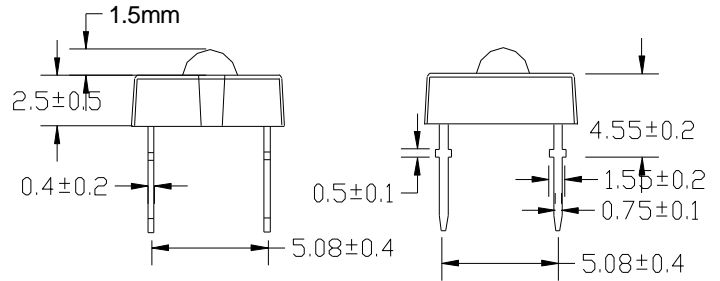
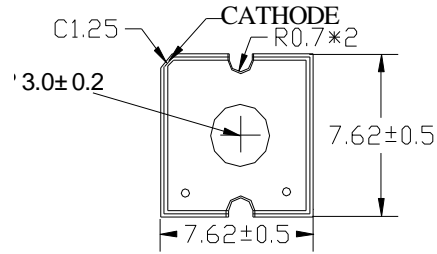
**Part No./型号: 980PWO4C**

**Ø Features/特征:**

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

**Ø Descriptions/描述:**

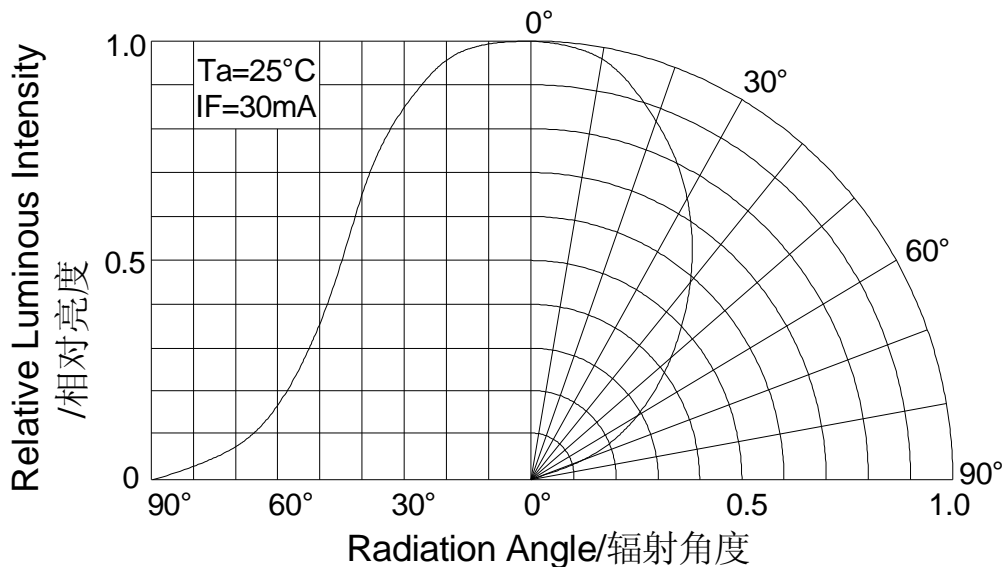
- I Dice material/芯片材质: InGaN
- I Emitting Color/发光颜色:  
Super Bright White/ 高亮度白色
- I Device Outline/产品外形:  
7.62mmX7.62mm
- I Lens Type 胶体颜色:  
Water Clear/ 无色透明



1. All dimensions are millimeters/单位: mm.
2. Tolerance is +/-0.20mm unless otherwise noted/  
没有标注的公差均为±0.20mm.

**Ø Directivity/指向特性:**

DIRECTIVITY/指向特性





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

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 <sub>R</sub>	I <sub>R</sub> = 30 μ A	5	--	V
Forward Current 正向工作电流	I <sub>F</sub>	----	----	30	mA
Power Dissipation 损耗功率	P <sub>d</sub>	----	----	110	mW
Pulse Current 正向峰值电流	I <sub>peak</sub>	Duty=0.1mS, 1kHz	----	150	mA
Operating Temperature 工作温度范围	T <sub>opr</sub>	----	-40	+85	°C
Storage Temperature 储存温度范围	T <sub>str</sub>	----	-40	+100	°C

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

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 <sub>F</sub>	I <sub>F</sub> =30mA	----	3.3	3.8	V
Reverse Current 反向电流	I <sub>R</sub>	V <sub>R</sub> =5V	----	----	30	μ A
Luminous Flux 光通量	φ <sub>v</sub>	I <sub>F</sub> =30mA	2.5	4.5	----	lm
Viewing Angle 指向角度	2 θ 1/2	I <sub>F</sub> = 30mA	----	90	----	Deg.

**Ø Luminous Intensity Bins Chart/光通量(Unit: lm) (Ta = 25°C)**

Bin	H	J	K	L	M
Min	2.2	2.8	3.6	4.7	6.0
Max	2.8	3.6	4.7	6.0	7.8



Ø **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

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

Fig.1 正向电流 Vs. 正向电压

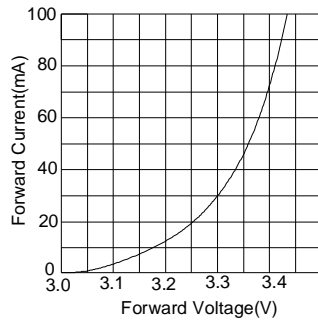


Fig.2 相对亮度 Vs. 正向电流

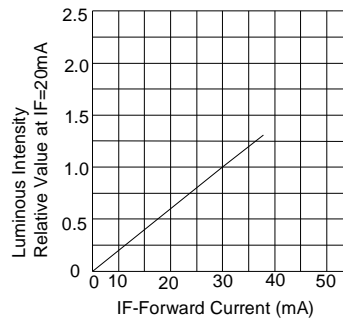


Fig.3 正向电流 Vs. 环境温度

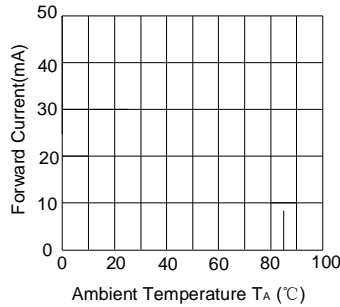
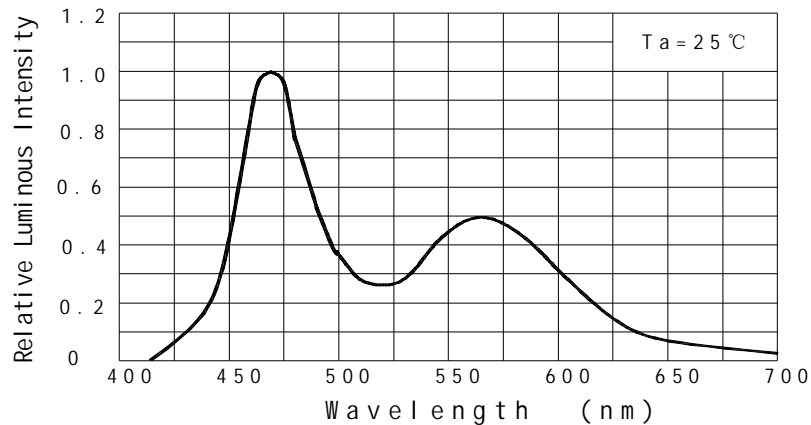
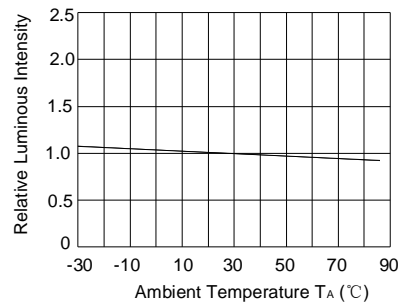


Fig.4 相对亮度 Vs. 环境温度





Ø Life Test curves /寿命测试曲线

