

ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

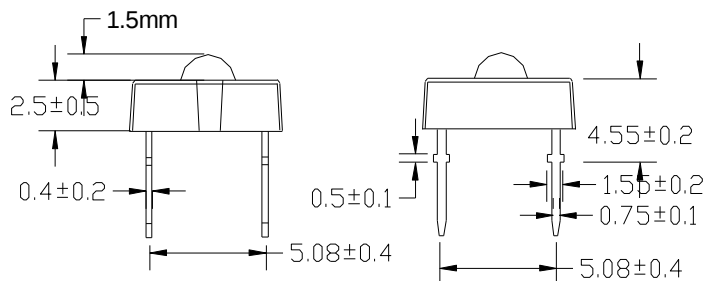
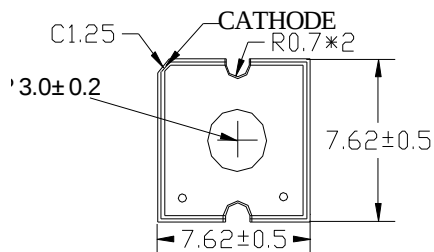
Part No./型号: 980PWO4C

Ø Features/特征:

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

Ø Descriptions/描述:

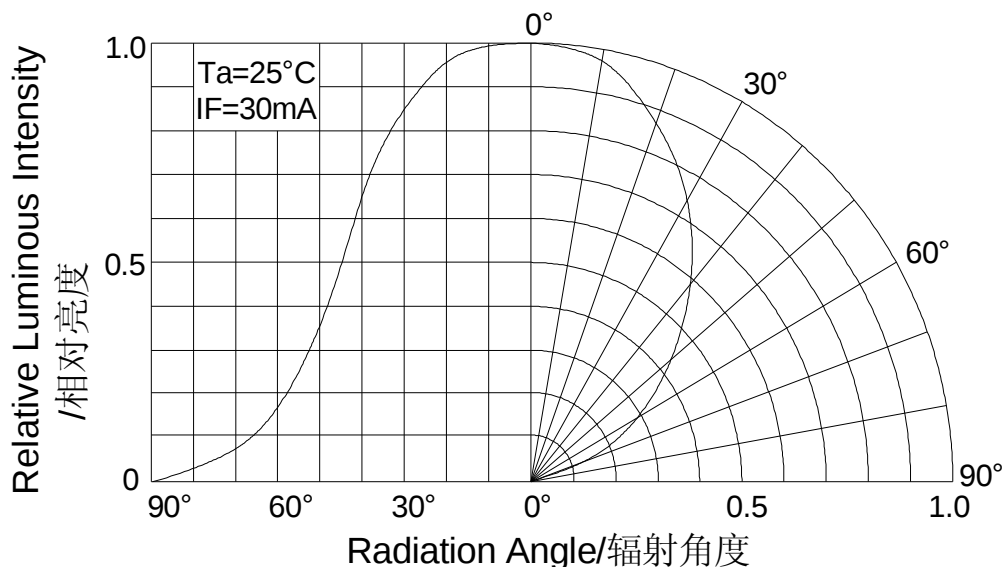
- Dice material/芯片材质: InGaN
- Emitting Color/发光颜色:
Super Bright White/ 高亮度白色
- Device Outline/产品外形:
7.62mmX7.62mm
- Lens Type 胶体颜色:
Water Clear/ 无色透明

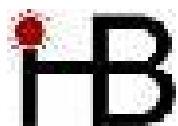


- All dimensions are millimeters/单位: mm.
- Tolerance is +/-0.20mm unless otherwise noted/
没有标注的公差均为±0.20mm.

Ø Directivity/指向特性:

DIRECTIVITY/指向特性



Part No./型号: **980PWO4C****Ø Absolute maximum ratings/极限参数 (Ta = 25℃)**

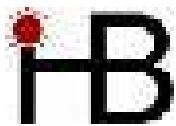
Parameter 参数	Symbol 符号	Test Condition 测试条件	Values 数值		Unit 单位
			Min.	Max.	
Reverse Voltage 反向电压	V _R	I _R = 30 μ A	5	--	V
Forward Current 正向工作电流	I _F	----	----	30	mA
Power Dissipation 损耗功率	P _d	----	----	110	mW
Pulse Current 正向峰值电流	I _{peak}	Duty=0.1mS, 1kHz	----	150	mA
Operating Temperature 工作温度范围	T _{opr}	----	-40	+85	℃
Storage Temperature 储存温度范围	T _{str}	----	-40	+100	℃

Ø 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	----	3.3	3.8	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	2.5	4.5	----	lm
Viewing Angle 指向角度	2 θ 1/2	I _F = 30mA	----	90	----	Deg.

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

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

**Part No./型号: 980PWO4C****Ø 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

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

Fig.1 正向电流 Vs. 正向电压

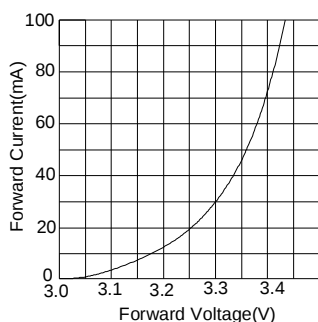


Fig.2 相对亮度 Vs. 正向电流

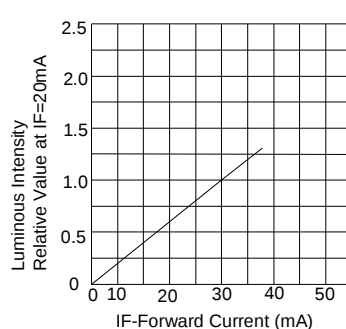


Fig.3 正向电流 Vs. 环境温度

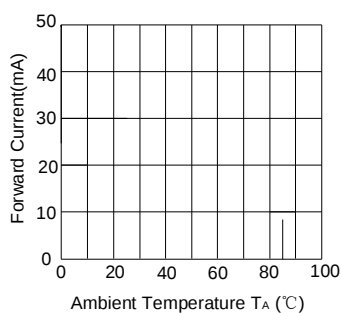
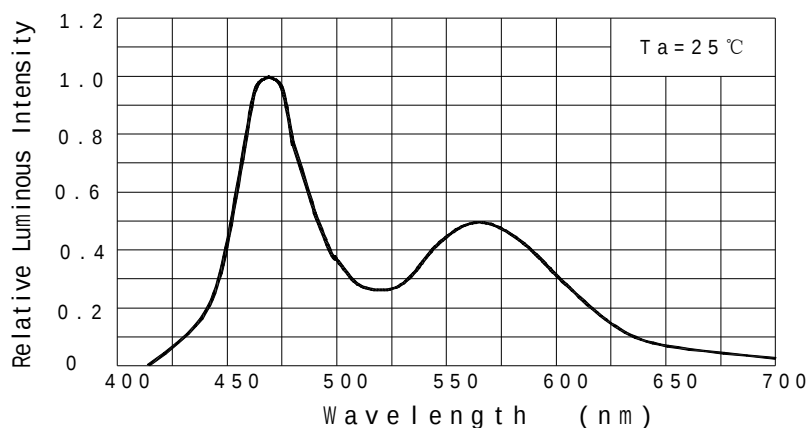
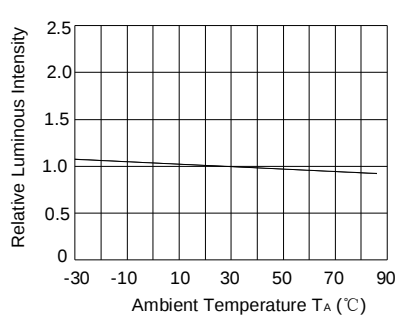
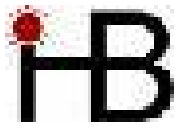


Fig.4 相对亮度 Vs. 环境温度





Ø Life Test curves /寿命测试曲线

