

SMD SPECIFICATION

Part No./型号: LED-0805130W



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

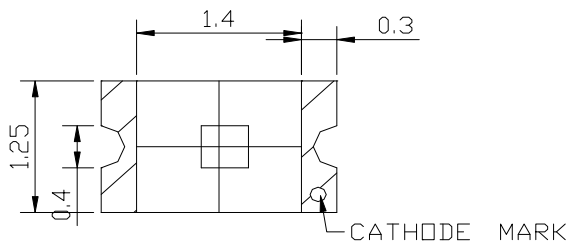
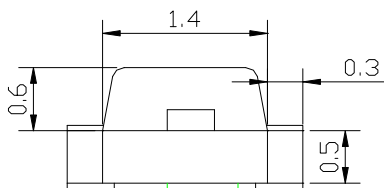
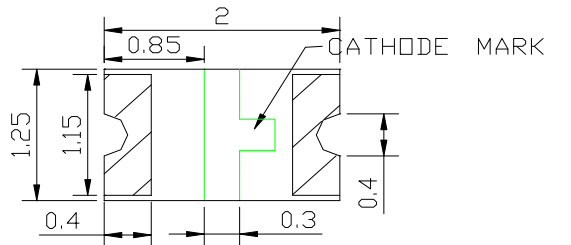
1、Features/特征:

- Emitting Color/发光颜色: White/白色
- Device Outline/外形特征: 2.0×1.25×1.1 mm
- Dice material/晶片材质: InGaN/GaN

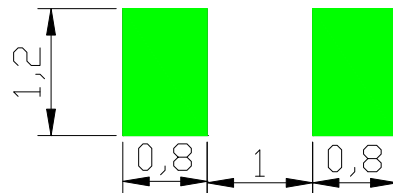
2、Applications/应用:

- Backlight for Mobile, Machine Vision, LCD Display/手机、电话、显示屏背光源
- Backlight in Dashboard and switch of Automotive/汽车仪表盘、记程器背光源
- 特殊场合的装饰、照明

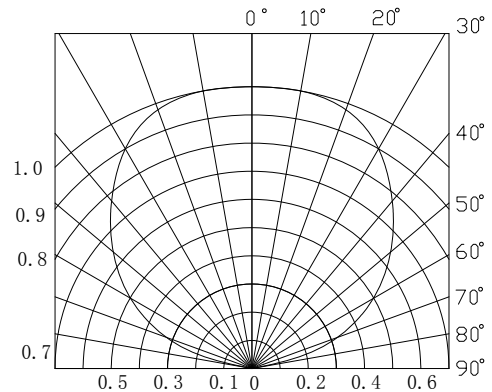
3、Outline Dimensions/产品外形尺寸:



被推荐的回焊焊盘尺寸:



SPATIAL DISTRIBUTION



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4、Absolute maximum ratings/极限参数 (Ta = 25℃)

Parameter 参数	Symbol 符号	Test Condition 测试条件	Value 参数		Unit 单位
			Min.	Max.	
Power Dissipation 损耗功率	Pd	—	—	65	mW
Reverse Voltage 反向电压	VR	IR = 30 μ A	5	—	V
Pulse Current 正向峰值电流	IFp	Duty=0.1, 1kHz	—	100	mA
Forward Current 正向工作电流	IFm	—	—	20	mA
Operating Temperature 工作温度范围	Topr	—	-40	+85	℃
Storage Temperature 储存温度范围	Tstr	—	-40	+85	℃

5、Electrical and optical characteristics/光电参数 (Ta = 25℃)

Parameter 参数	Symbol 符号	Test Condition 测试条件	Value 参数			单位
			Min.	Typ.	Max.	
Forward Voltage 正向电压	VF	IF = 20mA	—	3.1	3.6	V
Reverse Current 反向电流	IR	VR = 5V	—	—	30	μ A
Luminous Intensity 发光强度	IV	IF = 20mA	—	250	—	mcd
Viewing Angle 发光指向角	2 θ 1/2	IF = 20mA	—	120	—	Deg.

6、Chromaticity coordinates/色度坐标:

等级	WA				WB			
X	0.28	0.264	0.283	0.296	0.296	0.283	0.31	0.31
Y	0.248	0.267	0.305	0.276	0.276	0.305	0.34	0.29
等级	WC				WD			
X	0.31	0.31	0.33	0.33	0.33	0.33	0.361	0.356
Y	0.29	0.34	0.36	0.318	0.318	0.36	0.385	0.351

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7、Typical electrical/optical characteristic curves/

光电特性曲线:

