

SMD SPECIFICATION

Part No. LED-0805130G



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

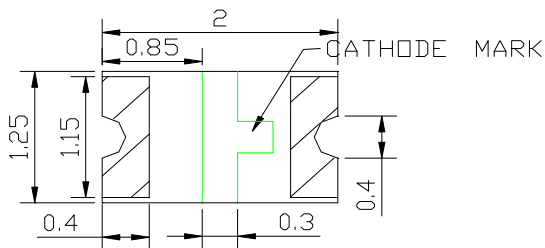
1、 Features:

- Emitting Color: Green
- Lens Type: Water Clear
- Device Outline: 2.0×1.25×1.1mm
- Dice material: InGaN

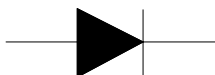
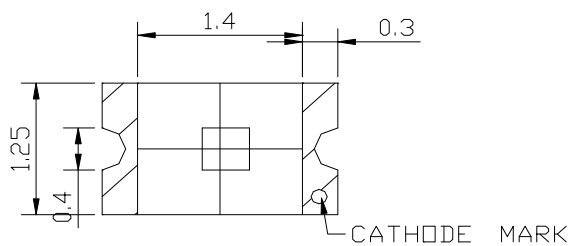
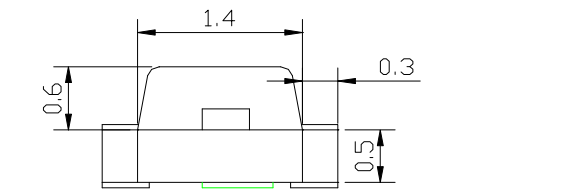
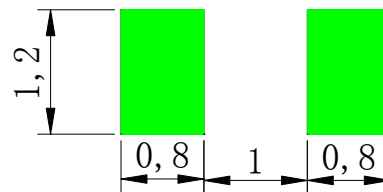
2、 Applications:

- Backlight for Mobile, Machine Vision, LCD Display
- Backlight in Dashboard and switch of Automotive

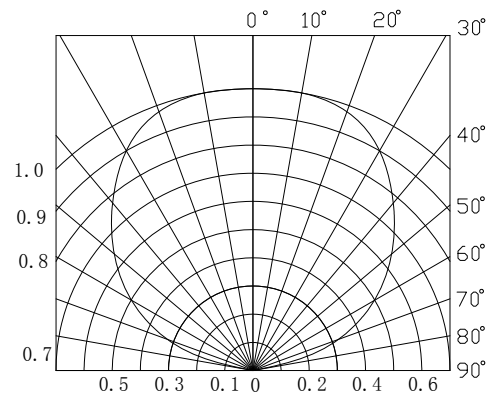
3、 Outline Dimensions:



For reflow soldering



SPATIAL DISTRIBUTION



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4、 Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
Power Dissipation	Pd	—	—	70	mW
Reverse Voltage	VR	IR = 30 μ A	5	—	V
Pulse Current	IFp	Duty=0.1, 1kHz	—	100	mA
Forward Current	IFm	—	—	20	mA
Operating Temperature	Topr	—	-30	+85	°C
Storage Temperature	Tstr	—	-40	+85	°C

5、 Electrical and optical characteristics (Ta = 25°C)

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =20mA	—	3.2	3.6	V
Reverse Current	I _R	V _R =5V	—	—	30	μ A
Dominant Wavelength	λ _d	I _F =20mA	—	527	—	nm
Peak Wavelength	λ _p	I _F =20mA	—	522	—	nm
Spectral Line half-width	Δ λ	I _F =20mA	—	35	—	nm
Luminous Intensity	I _V	I _F =20mA	—	160	—	mcd
Viewing Angle	2 θ 1/2	I _F =20mA	—	120	—	Deg.

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6. Typical electrical/optical characteristic curves:

