

# SMD SPECIFICATION

Part No. LED-0805130B



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

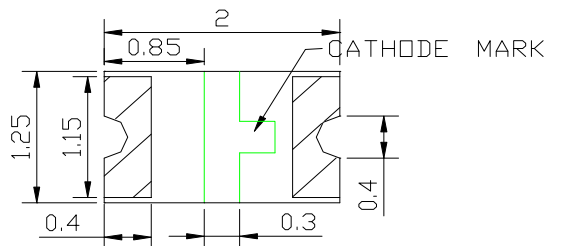
## 1、 Features:

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

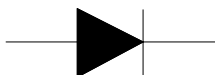
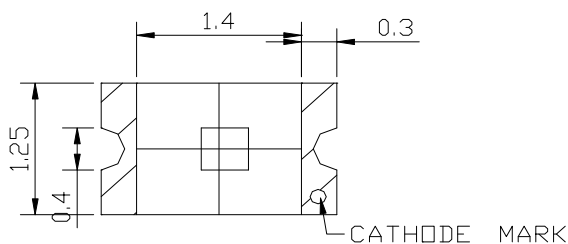
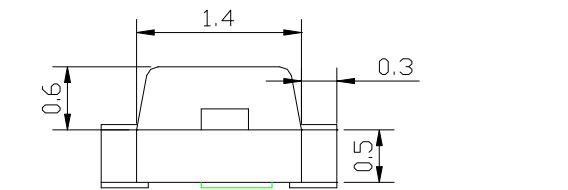
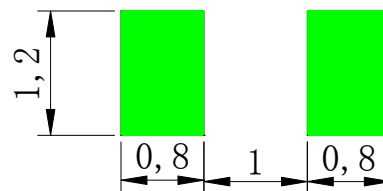
## 2、 Applications:

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

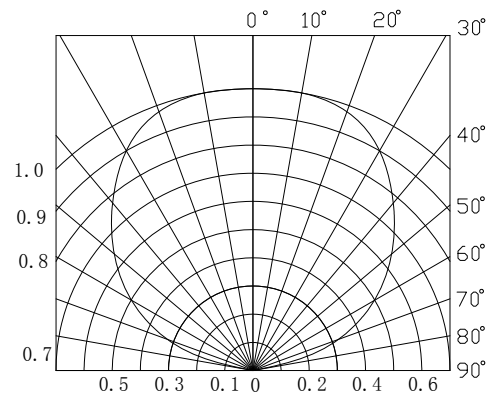
## 3、 Outline Dimensions:



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	—	-20	+85	°C
Storage Temperature	Tstr	—	-25	+85	°C

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

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	—	3.2	3.5	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	—	—	30	μ A
Dominant Wavelength	λ <sub>d</sub>	I <sub>F</sub> =20mA	—	470	—	nm
Peak Wavelength	λ <sub>p</sub>	I <sub>F</sub> =20mA	—	468	—	nm
Spectral Line half-width	Δ λ	I <sub>F</sub> =20mA	—	20	—	nm
Luminous Intensity	I <sub>V</sub>	I <sub>F</sub> =20mA	—	80	—	mcd
Viewing Angle	2 θ 1/2	I <sub>F</sub> =20mA	—	120	—	Deg.

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## 6、 Typical electrical/optical characteristic curves:

