Hebei I.T. (Shanghai) Co., Ltd.

SMD SPECIFICATION

Part No. 0805LGCT

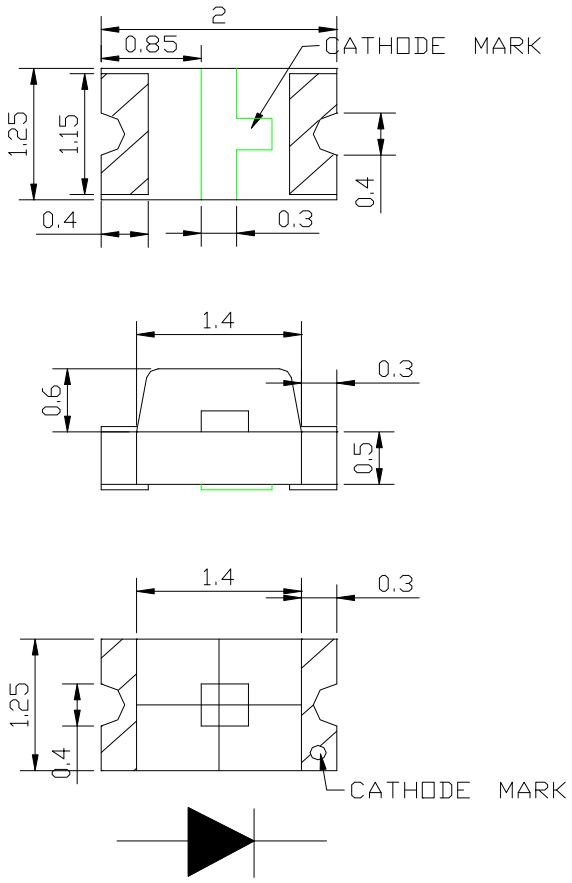
1、Features：

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

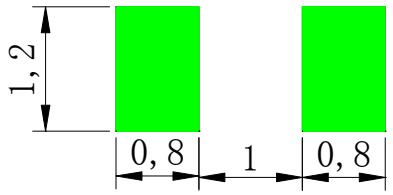
2、Applications：

- Biaclight for Mobile，Machine Vision， LCD Display
- Backlight in Dashboard and swith of Automive

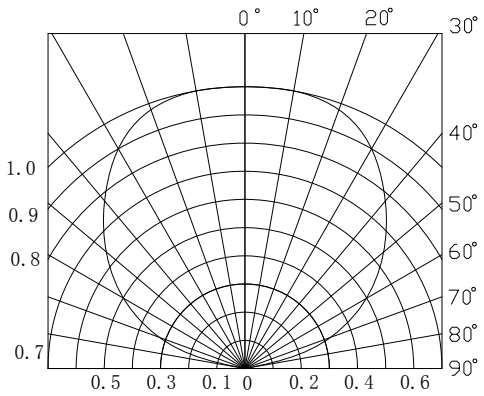
3、Outline Dimensions：



For reflow soldering



SPATIAL DISTRIBUTION



Part No. 0805LGCT

4、Absolute maximum ratings（Ta = 25℃）

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

5、Electrical and optical characteristics（Ta = 25℃）

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	μA
Dominate Wavelength	λd	I_F=20mA	——	527	——	nm
Peak Wavelength	λp	I_F=20mA	——	522	——	nm
Spectral Line half-width	Δλ	I_F=20mA	——	35	——	nm
Luminous Intensity	I_V	I_F=20mA	——	160	——	mcd
Viewing Angle	2θ1/2	I_F=20mA	——	120	——	Deg.

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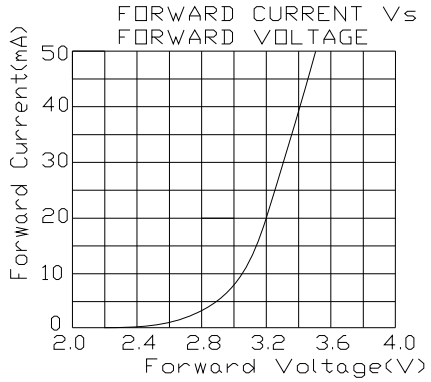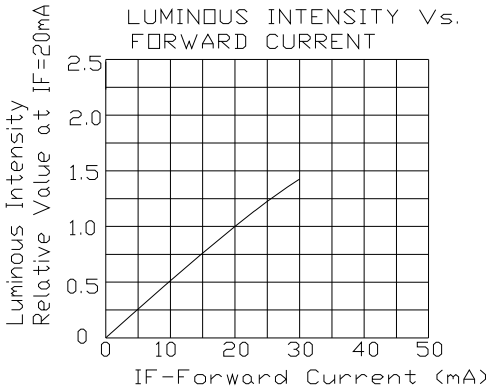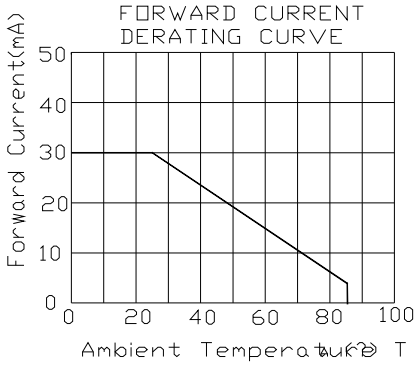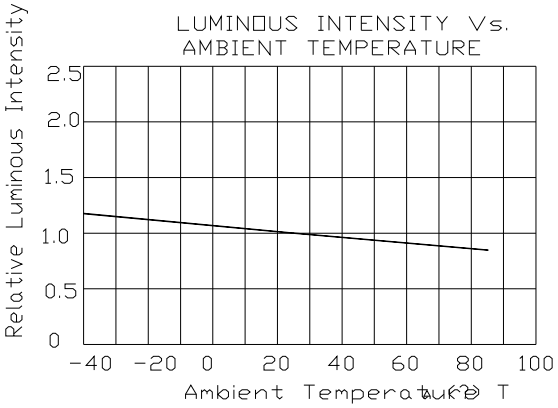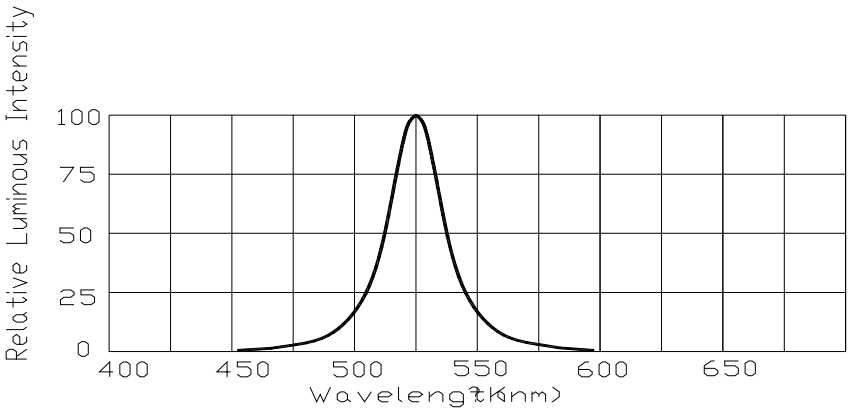
6、Typical electrical/optical characteristic curves：