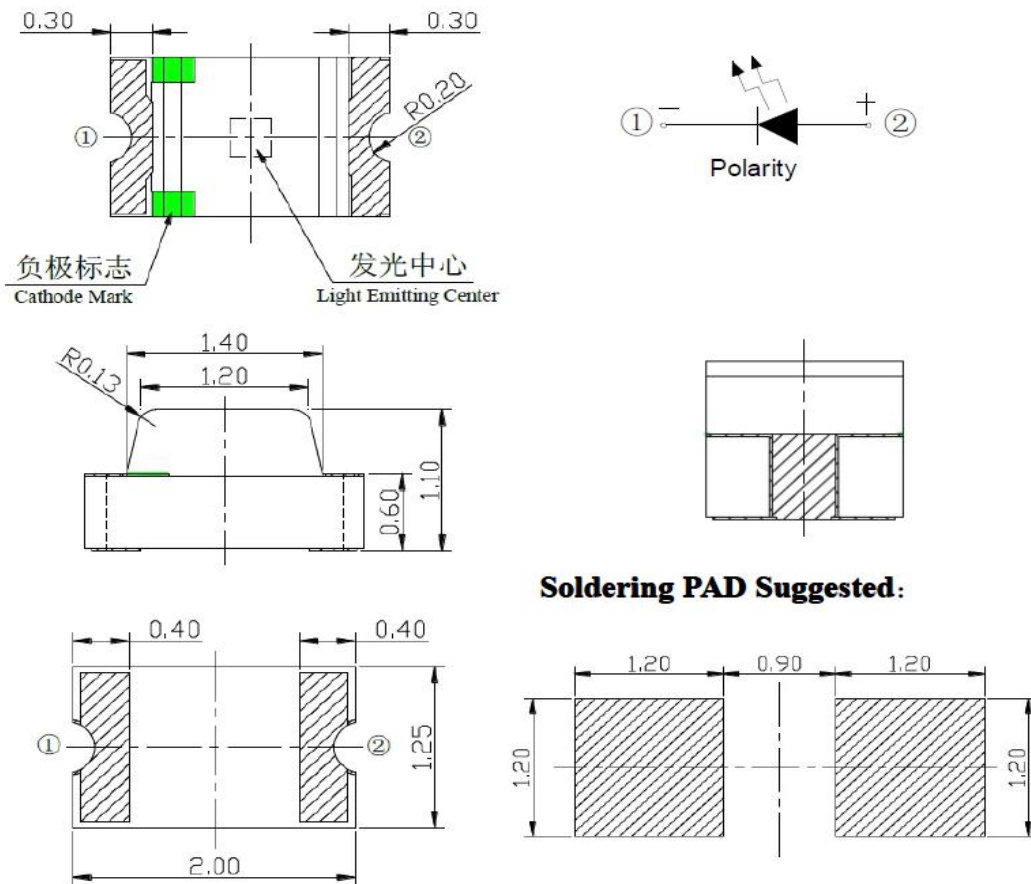


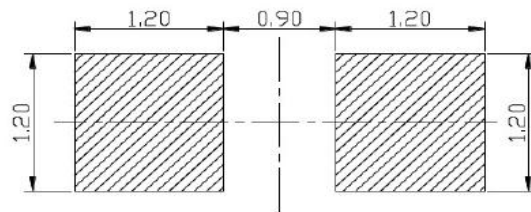
## 1、描述Description:

- Package ( L/W/H ) :2.0 × 1.25 × 1.1 mm
- Color : Ultra Bright Green
- Lens: Diffuse Flat Mold
- EIA STD Package
- Meet ROHS, Green Product
- Compatible With SMT Automatic Equipment
- Compatible With Infrared Reflow Solder And Wave Solder Process

## 2、外形尺寸 Dimensions



### Soldering PAD Suggested:



单位(Units):毫米(mm)

## Notes:

- 1、 All dimensions are in millimeters ;
- 2、 Tolerance is  $\pm 0.10$  mm unless otherwise noted.

Part No. (产品编号)	Emitting Color (发光颜色)
VH-0805-GSC	Green (绿色)

### 3、 光电特性 Electrical / Optical characteristics

#### (1) 最大限度额定值 Absolute Maximum Ratings (TA=25° C)

Parameter	Symbol	Rating	Unit
功率消耗Power Dissipation	Pd	70	mW
正向峰值电流Pulse Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFP	70	mA
直流正向电流DC Forward Current	IF	30	mA
反向电压Reverse Voltage	VR	5	V
工作温度Operating Temperature	Topr	- 30° C ~ + 85° C	° C
贮藏温度Storage Temperature	Tstg	- 40° C ~ + 90° C	° C
焊接温度Soldering Temperature	Tsol	Reflow Soldering: 260°C for 5sec. Hand Soldering :300°C for 3sec	

#### (2) 光电参数Initial Electrical/Optical Characteristics (TA=25° C)

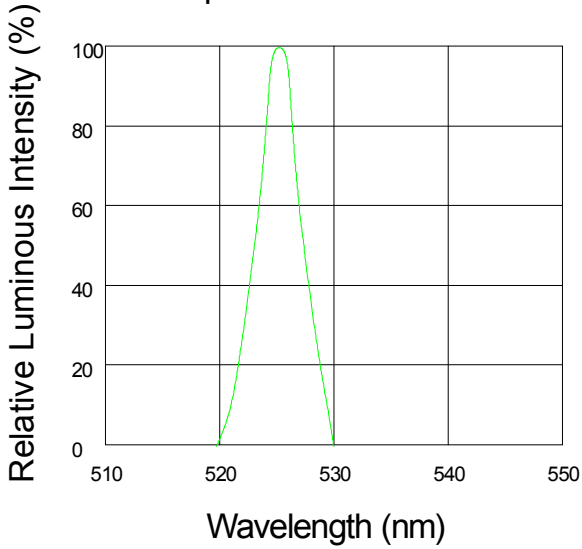
项目 Item	符号 Symbol	颜色 Color	最小值 Min.	规格值 Typ	最大值 Max.	单位 Units	测试条件 Test Condition
发光强度 Luminous Intensity	IV	R	230	...	350	Mcd	IF=20mA
主波长 Dominate Wavelength	$\lambda D$	R	...	525	...	Nm	IF=20mA
峰值波长 Peak Wavelength	$\lambda p$	R	520	...	530	Nm	IF=20mA
半波宽度 Spectral Line Half- Width	$\Delta \lambda$	R	...	20	...	Nm	IF=20mA
正向电压 Forward Current	VF	R	2.6	...	3.2	V	IF=20mA
反向电流 Reverse Current	IR	R	...	...	10	$\mu A$	VR=5V
发光角度 Viewing Angle	2 $\theta$ 1/2	...	...	120	...	Deg	IF=20mA

Notes:

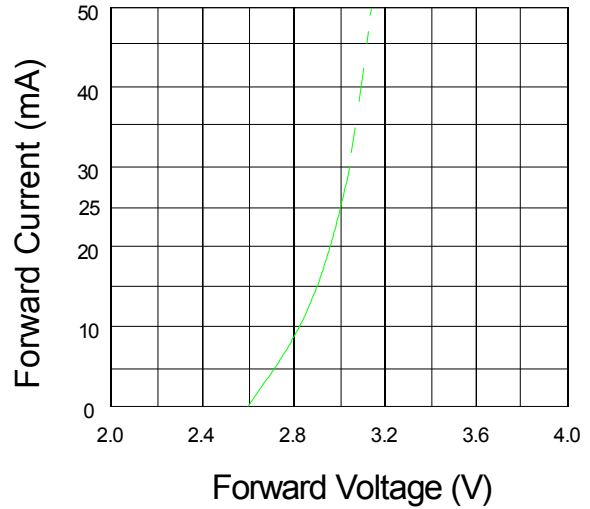
- 1、 Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- 2、  $\theta$ 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3、 The dominant wavelength,  $\lambda d$  is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

#### 4、特性曲线 Characteristic curve

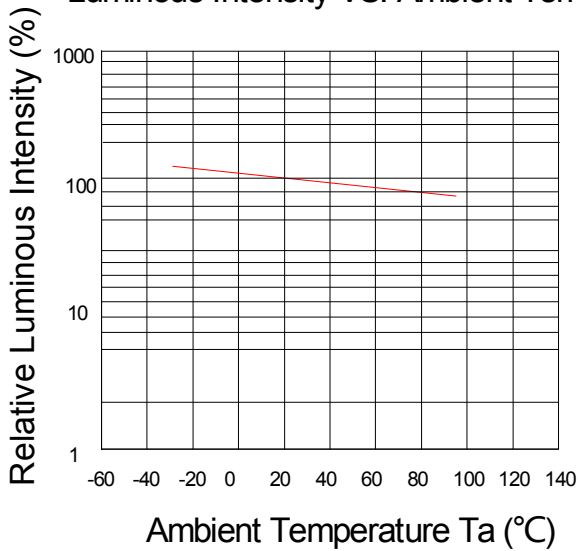
Spectrum Distribution



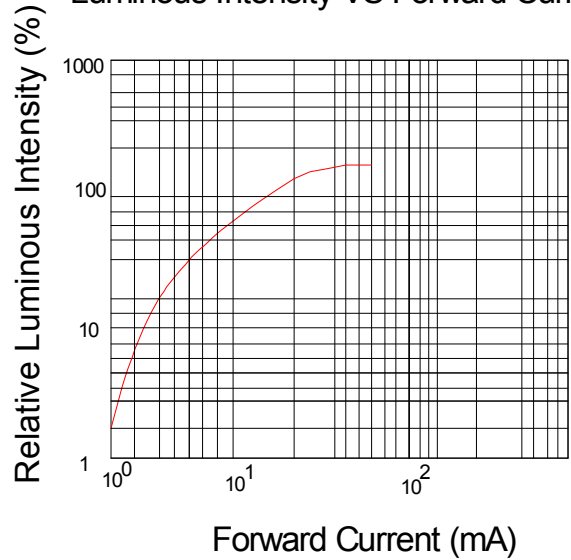
Forward Current VS. Forward Voltage



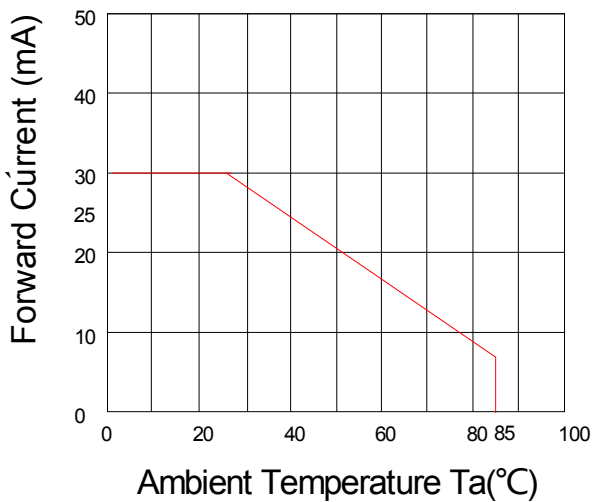
Luminous Intensity VS. Ambient Temp



Luminous Intensity VS Forward Current



Forward Current Derating Curve.



Radiation Diagram

