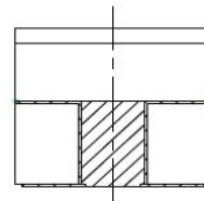
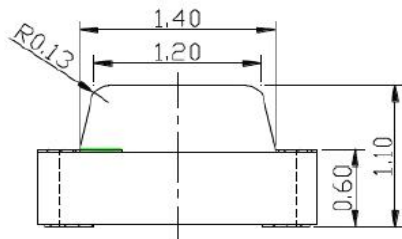
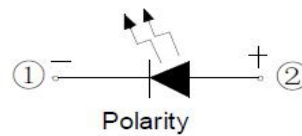
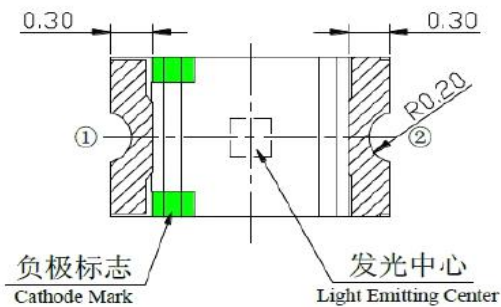


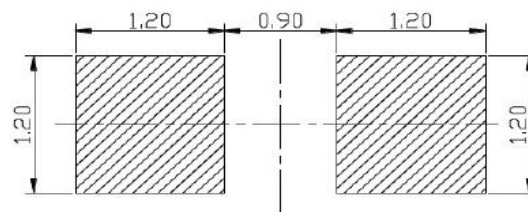
1、描述Description:

- Package (L/W/H) :2.0 × 1.25 × 1.1 mm
- Color : Ultra Bright Red
- 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 ± 0.10 mm unless otherwise noted.

Part No. (产品编号)	Emitting Color (发光颜色)
VH-0805-RHC	Red (红色)

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	150	...	180	Mcd	IF=20mA
主波长 Dominate Wavelength	λ_D	R	...	625	...	Nm	IF=20mA
峰值波长 Peak Wavelength	λ_p	R	620	...	630	Nm	IF=20mA
半波宽度 Spectral Line Half-	$\Delta \lambda$	R	...	20	...	Nm	IF=20mA
正向电压 Forward Current	VF	R	2	...	2.4	V	IF=20mA
反向电流 Reverse Current	IR	R	10	μ A	VR=5V
发光角度 Viewing Angle	2 θ 1/2	120	...	Deg	IF=20mA

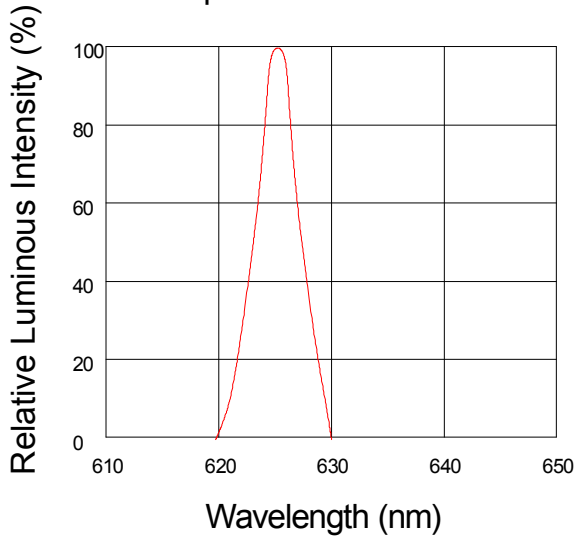
Notes:

- 1、Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- 2、 θ 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3、The dominant wavelength, λ_d is derived from the CIE chromaticity diagram and represents the single

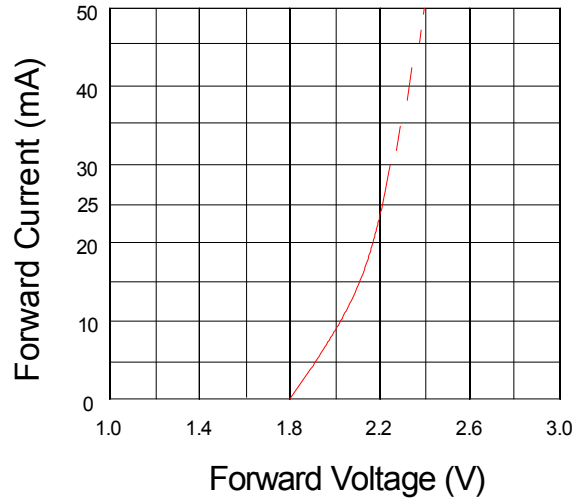
wavelength which defines the color of the device.

4、特性曲线 Characteristic curve

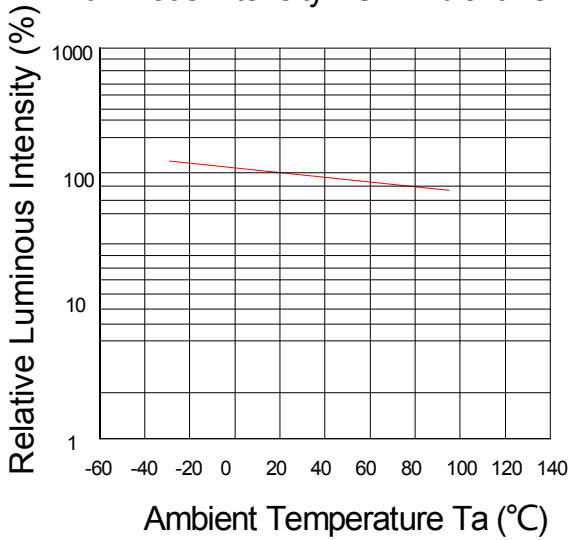
Spectrum Distribution



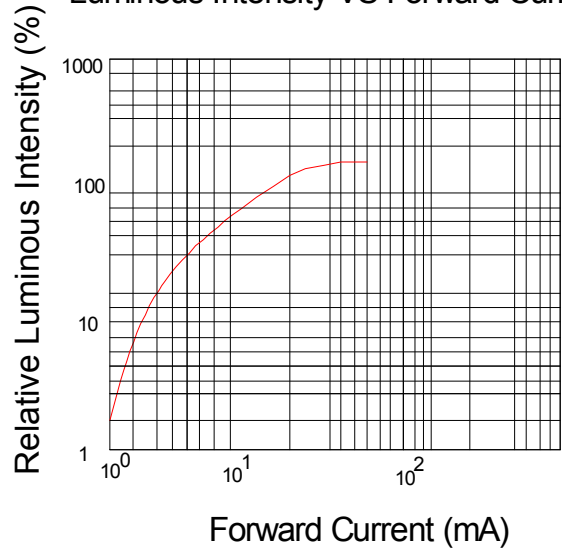
Forward Current VS. Forward Voltage



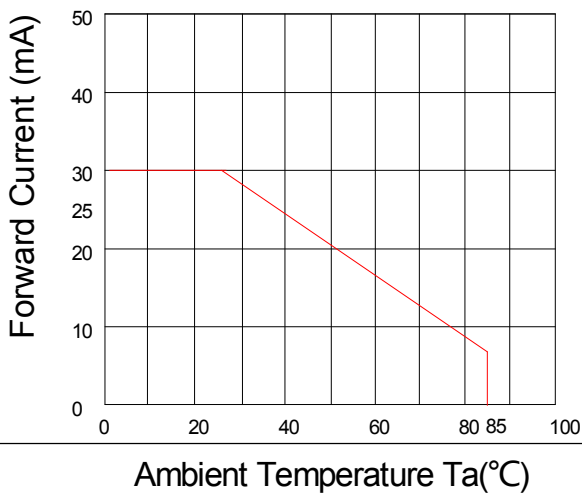
Luminous Intensity VS. Ambient Temp



Luminous Intensity VS Forward Current



Forward Current Derating Curve.



Radiation Diagram

