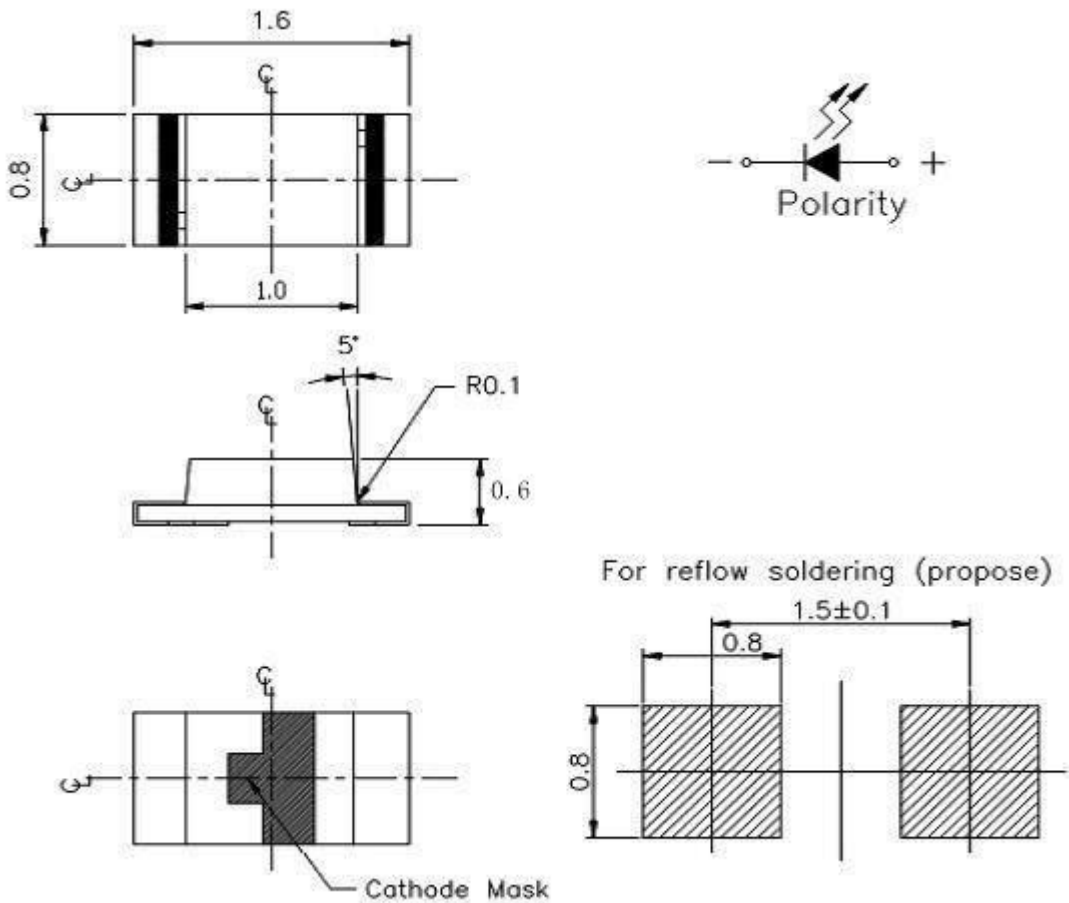


1、描述Description:

- Package (L/W/H) : 1.6 × 0.8 × 0.6 mm
- Color : Ultra Bright Red
- Lens: Water Clear 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



Note:

The tolerances unless mentioned is $\pm 0.1\text{mm}$,Unit = mm

Part No. (产品编号)	Lens Color (胶体颜色)	Emitting Color (发光颜色)
VH-0603-RHC	Water Clear (无色透明)	Red (红色)

3、光电特性 Electrical / Optical characteristics

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

Parameter	Symbol	Rating	Unit
功率消耗 Power Dissipation	VR	60	mW
正向电流 Forward Current	IF	25	mA
反向电压 Reverse Voltage	VR	5	V
静电释放 Electrostatic Discharge	ESD	2000	V
峰值正向电流 Peak Forward Current (Duty 1/10 @1KHz)	IFP	60	mA
焊接温度 Soldering Temperature	Tsol	260 (for 5 seconds)	°C
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 Hand Soldering :350°C	

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

项目 Item	符号 Symbol	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	120	...	180	Mcd	IF=20mA
峰值波长 Peak Wavelength	λ_p	...	625	...	nm	
主波长 Dominant Wavelength	λ_d	620	...	630	nm	
半波宽度 Spectrum Radiation Bandwidth	$\Delta \lambda$...	20	...	nm	
发光角度 Viewing Angle	$2\theta_{1/2}$...	120	...	deg	
正向电压 Forward Voltage	VF	1.8	2.1	2.4	V	
反向电流 Reverse Current	IR	5	μA	VR=5V

Notes:

1. Tolerance of Luminous Intensity $\pm 10\%$
2. Tolerance of Dominant Wavelength $\pm 1nm$
3. Tolerance of Forward Voltage $\pm 0.05V$

4、典型光电特性曲线 Typical Electro-Optical Characteristics Curves

