

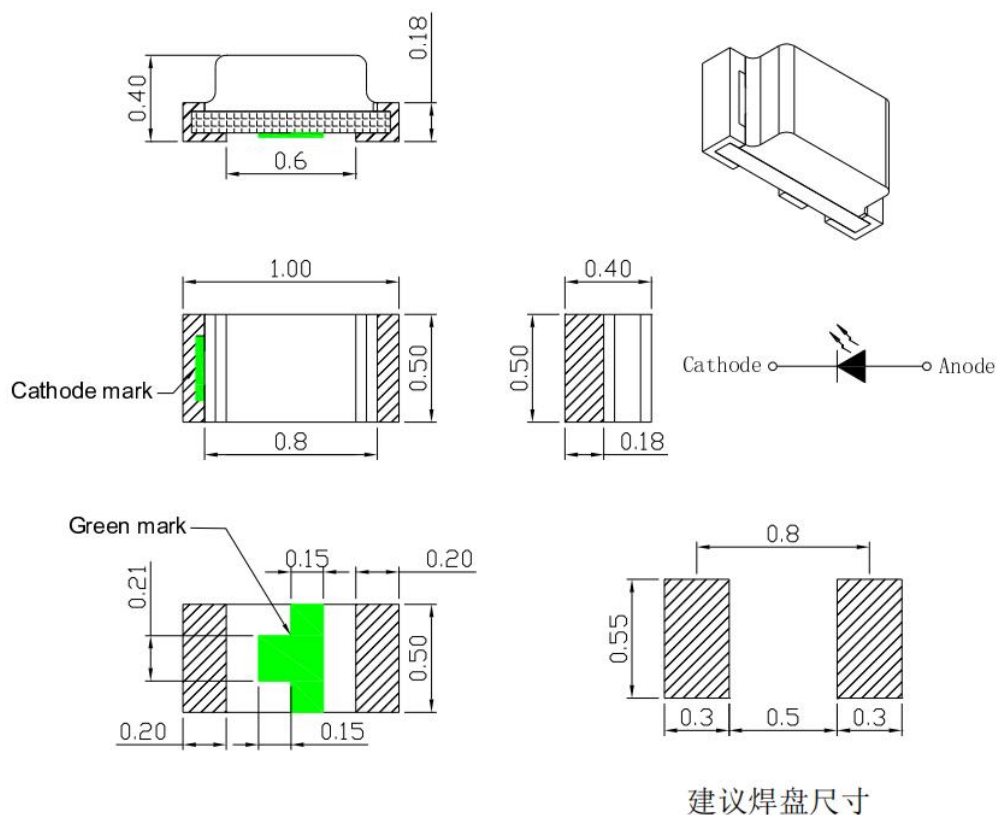
### 1、Features:

- Emitting Color: Red
- Lens Type: Water Clear
- Device Outline: 1.0×0.5×0.4 (unit:mm)
- RoHS compliant

### 2、Applications:

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

### 3、Outline Dimensions:



Note: 1.All dimension units are millimeters

2. All dimension tolerance is  $\pm 0.10\text{mm}$

**4、 Absolute maximum ratings (Ta = 25°C):**

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
Power Dissipation	Pd	---	---	60	mW
Reverse Voltage	VR	IR = 30 μA	5	---	V
Pulse Current	IFp	Duty=0.1, 1kHz	---	100	mA
Forward Current	IFm	---	---	25	mA
Operating Temperature	Topr	---	-40	+85	°C
Storage Temperature	Tstr	---	-40	+85	°C

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

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	VF	IF = 20mA	1.8	2.0	2.2	V
Reverse Current	IR	VR = 5V	---	---	30	μA
Wave Length	Tc	IF = 20mA	---	625	---	nm
Luminous Intensity	Iv	IF = 20mA	50	100	150	mcd
Viewing Angle	2θ 1/2	IF = 20mA	---	120	---	Deg.

6. Typical electrical/optical characteristic curves:

Fig.5

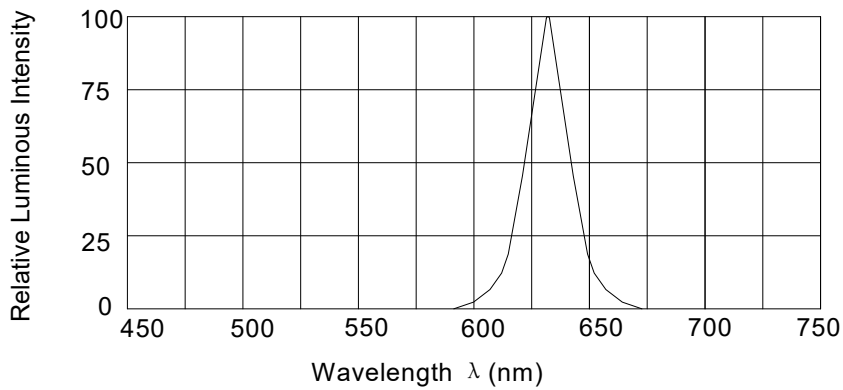


Fig.1

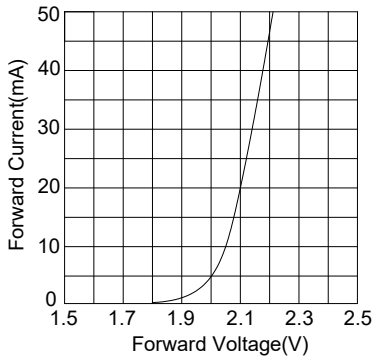


Fig.2

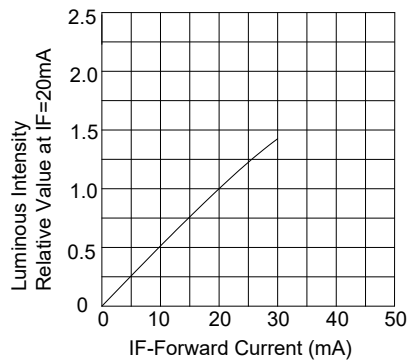


Fig.3

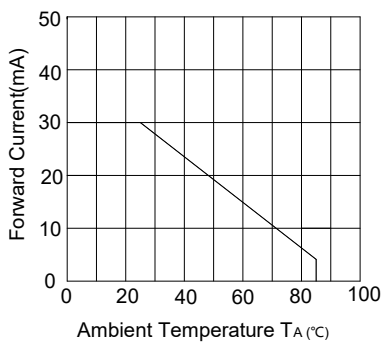


Fig.4

