XL-302SURC F3 技术数据表

特点（ Sq9 •Y3Y 4 U %0@a €

电性参数

Consumed power	Pd	70	mW
Max Continuous Forward Current	IF	20	mA
Peak Forward Current	IFp	80	mA
Operating ambient temperature	Topr	-20 C ~ +85 C	
Storage ambient temperature	Tstg	-40 C ~ +85 C	
Welding conditions	Tsol	reflow soldering 240°C 6s manual welding 300°C 3s 2.0mm	

Luminous Intensity	Iv	400	800	1200	mcd	IF=20mA
Dominant Wave Length	λd	615	620	625	nm	IF=20mA
Peak Wave Length	λp	/	625	/	nm	IF=20mA
Forward Voltage	VF	1.8	2.2	2.4	V	IF=20mA
Viewing Angle	2Ø1/2	/	30	/	deg	IF=20mA
Spectral Width at half height	λ	/	20	/	nm	IF=20mA
Reverse Current	IR	/	/	≤10	μA	VR=5V

亮度分档

代码	最小值	最大值	单位	测试条件
A5	400	500	mcd	IF=20mA
A6	500	700		
A7	700	900		
A8	900	1200		

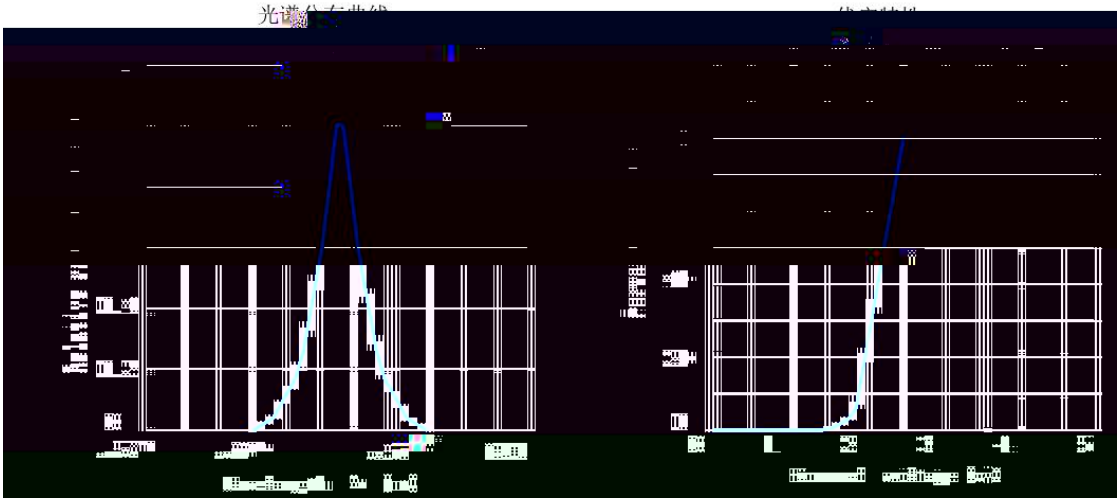
电压分档

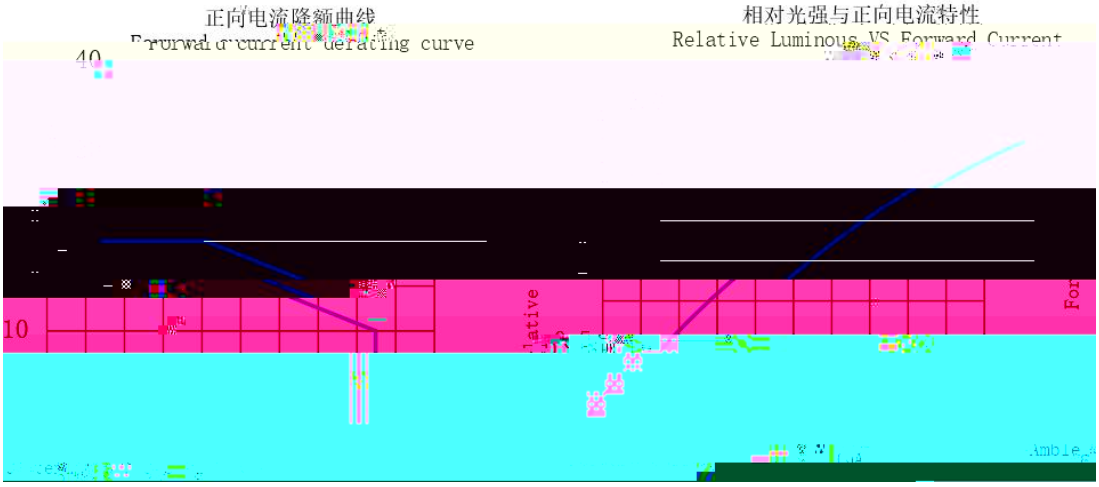
代码	最小值	最大值	单位	测试条件
N12-7	1.8	2.0	V	IF=20mA
N12-8	2.0	2.2		
N12-9	2.2	2.4		

波长分档

代码	最小值	最大值	单位	测试条件
HR01	615	620	nm	IF=20mA
HR02	620	625		

典型特性曲线





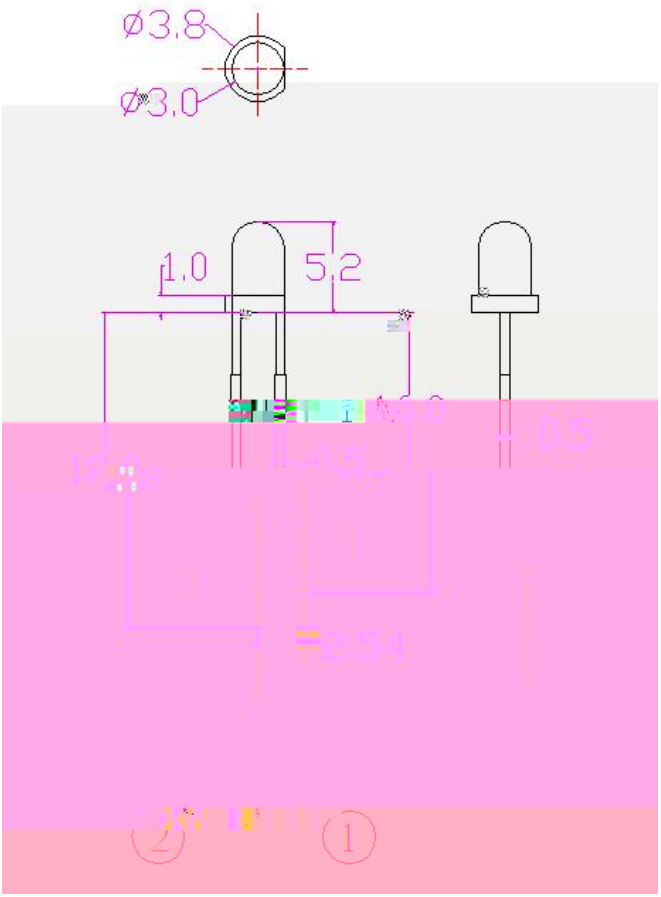
25±5 /Note If not otherwise indicated the test environment temp erature is 25±5

可靠性试验

Reliability Test Items And Conditions

Class	Test item	Testing environment	Testing time	Qty	Failqty
Endurance test	Working life	Ta=25 ±5 ,IF=20mA	1000hrs	22 PCS	0/1
	High temperature and high humidity experiment	Ta= 85±5 , RH= 85 90%	1000hrs	22 PCS	0/1
	High				

外形尺寸



(Note)

1.

Dimensions are in millimeters.

2. ± 0.50mm .

Tolerances unless mentioned are ± 0.50mm.

包装

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In Bags

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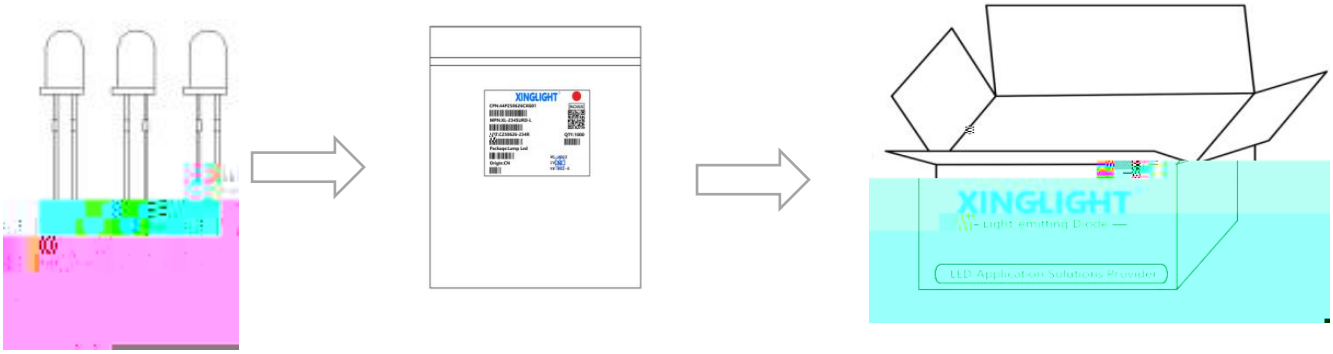
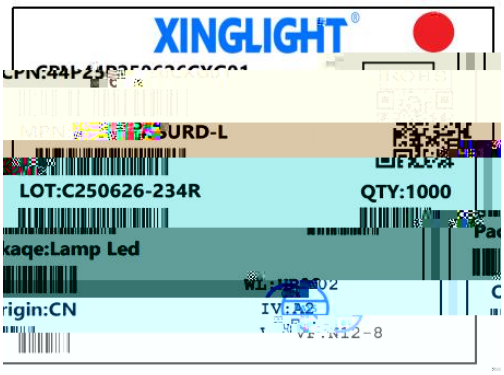
Moisture Proof and Anti-Electrostatic Foil Bag





使用注意事项（ ）

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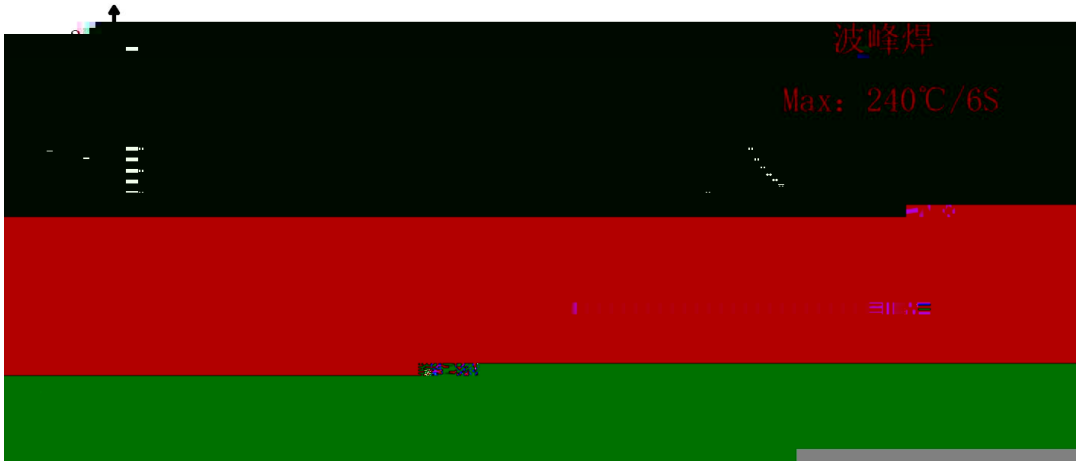
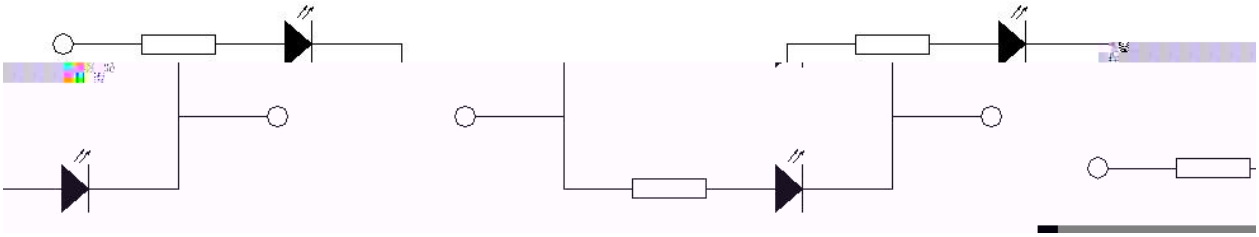
2mm LED
LED

When welding, welding must be conducted below 2mm of colloid bottom. When welding, try to avoid soaking LED colloid. After welding, avoid adding external force on the pin or shaking LED colloid.



LED LED A LED LED

In the current driving mode of LED, if LED is multiple in parallel, it is recommended to use line A and add a flow limit resistance to each LED to ensure the consistent brightness of LED.



LED InGaN
HBM<1000V <100V

High increase of static electricity and current will damage LED. Use antistatic devices such as protective belts and gloves. Note: human discharge mode HBM <1000V; machine discharge mode <100V.