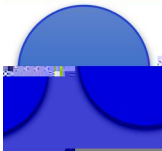


XL-302SURC

F3

技术数据表

特点（

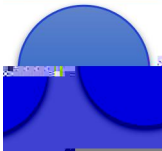


电性参数

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	λ d	615	620	625	nm	IF=20mA
Peak Wave Length	λ p	/	625	/	nm	IF=20mA
Forward Voltage	VF	1.8	2.2	2.4	V	IF=20mA
Viewing Angle	2θ1/2	/	30	/	deg	IF=20mA
Spectral Width at half height	λ	/	20	/	nm	IF=20mA
Reverse Current	IR	/	/	≤ 10	μ A	VR=5V

∫ ⅆ ∫



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		

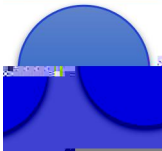
电压分档

:

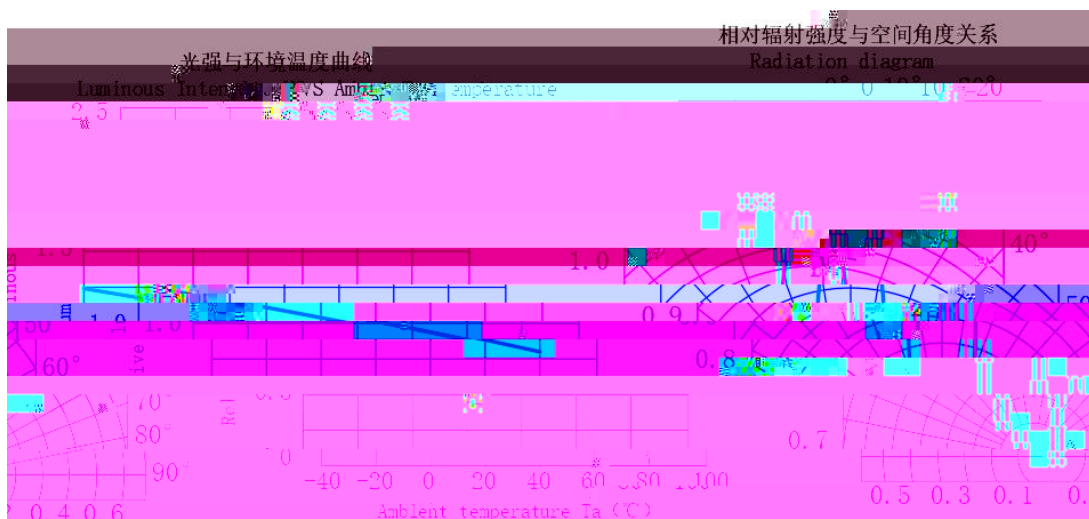
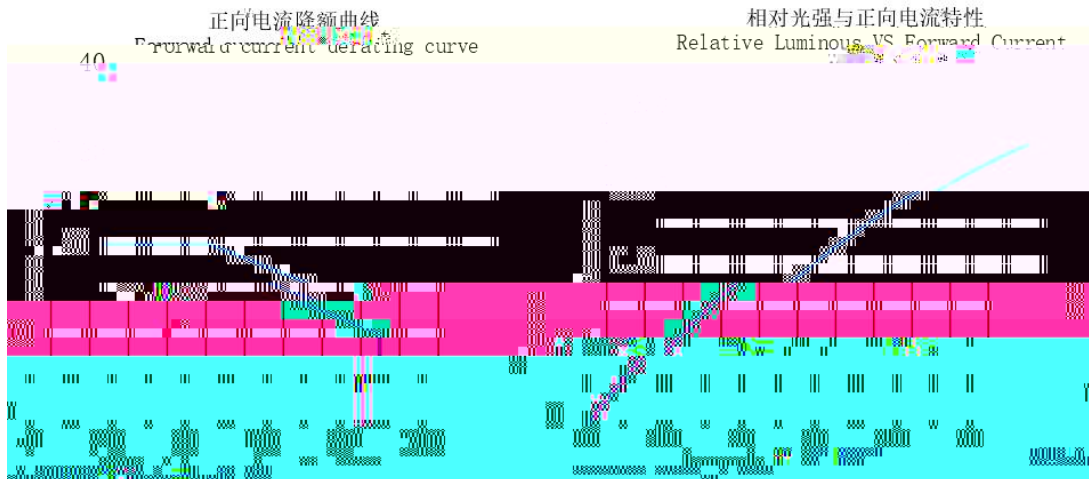
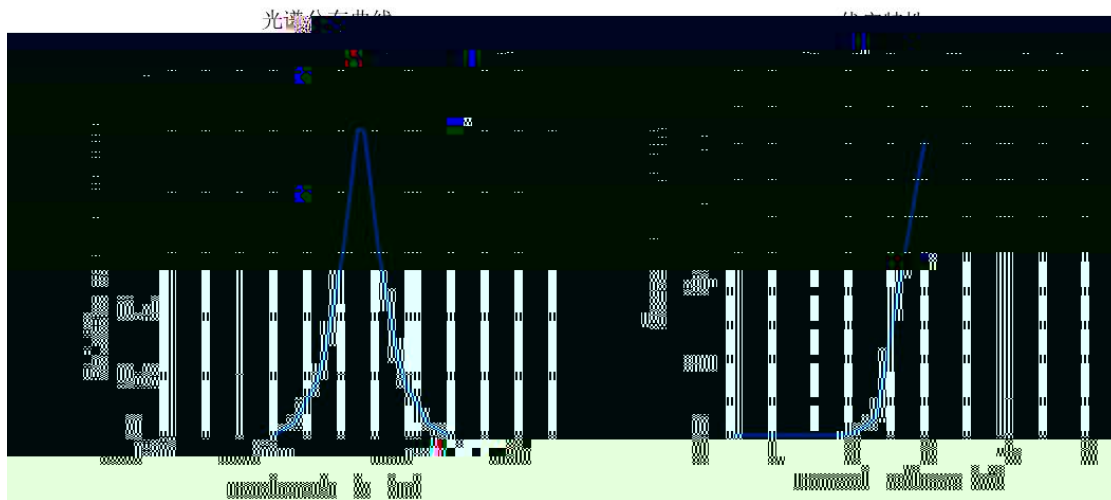
代码	最小值	最大值	单位	测试条件
N12-7	1.8	2.0	V	IF=20mA
N12-8	2.0	2.2		
N12-9	2.2	2.4		

波长分档

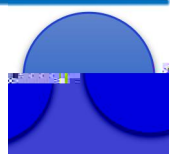
代码	最小值	最大值	单位	测试条件
HR01	615	620	nm	IF=20mA
HR02	620	625		



典型特性曲线



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



可靠性试验

Reliability Test Items And Conditions

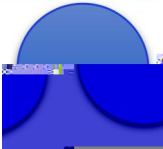
Class	Test item	Testing environment	Testing time	Qty	Fail qty
-------	-----------	---------------------	--------------	-----	----------

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				

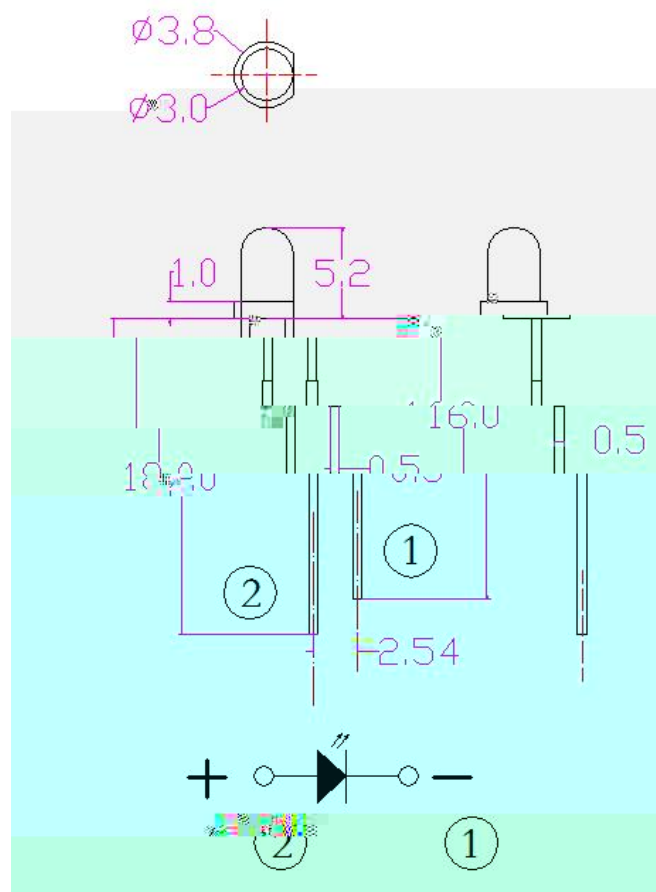
High

||

T



外形尺寸



(Note)

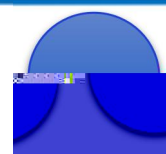
1.

Dimensions are in millimeters.

2.

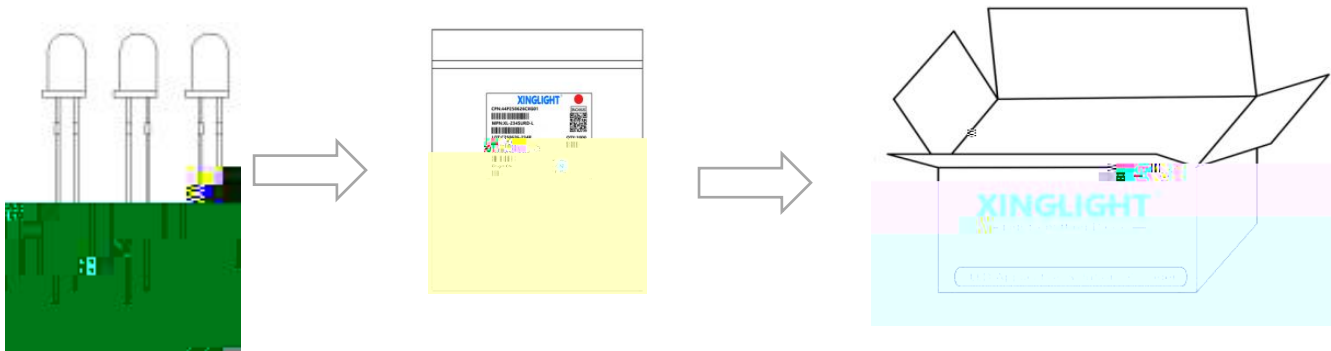
$\pm 0.50\text{mm}$

Tolerances unless mentioned are $\pm 0.50\text{mm}$.



包装

- *
In Bags
- *
Moisture Proof and Anti-Static Foil Bag



标签说明 Label Expansion

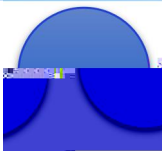
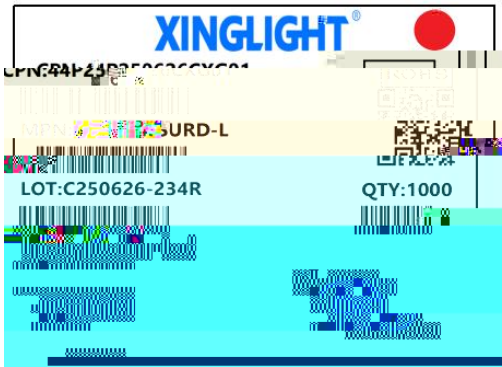
CPN: 批号/档位 LOT: 日期/封装颜色

MPN: 型号 VF: 电压代码

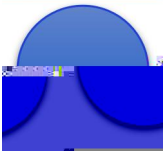
WL: 波长代码 IV: 亮度代码

ORIGIN: 产地 QTY: 数量

PACKAQE: 封装



使用注意事項 ()



使用注意事項 ()

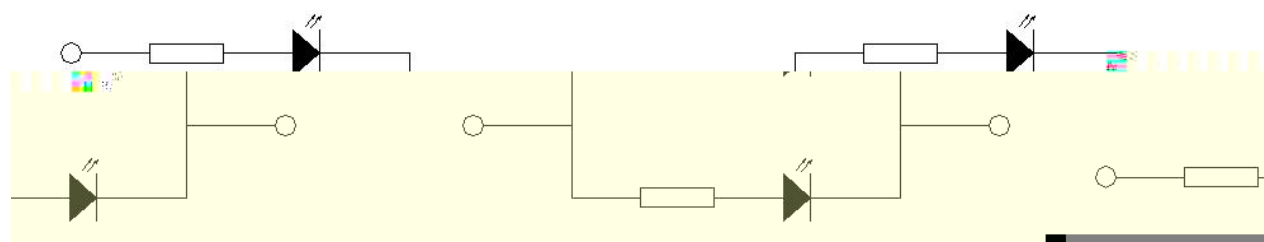
2mm LED
LED

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.

