XL-302UWC F3

技术数据表

目录

Catalogue

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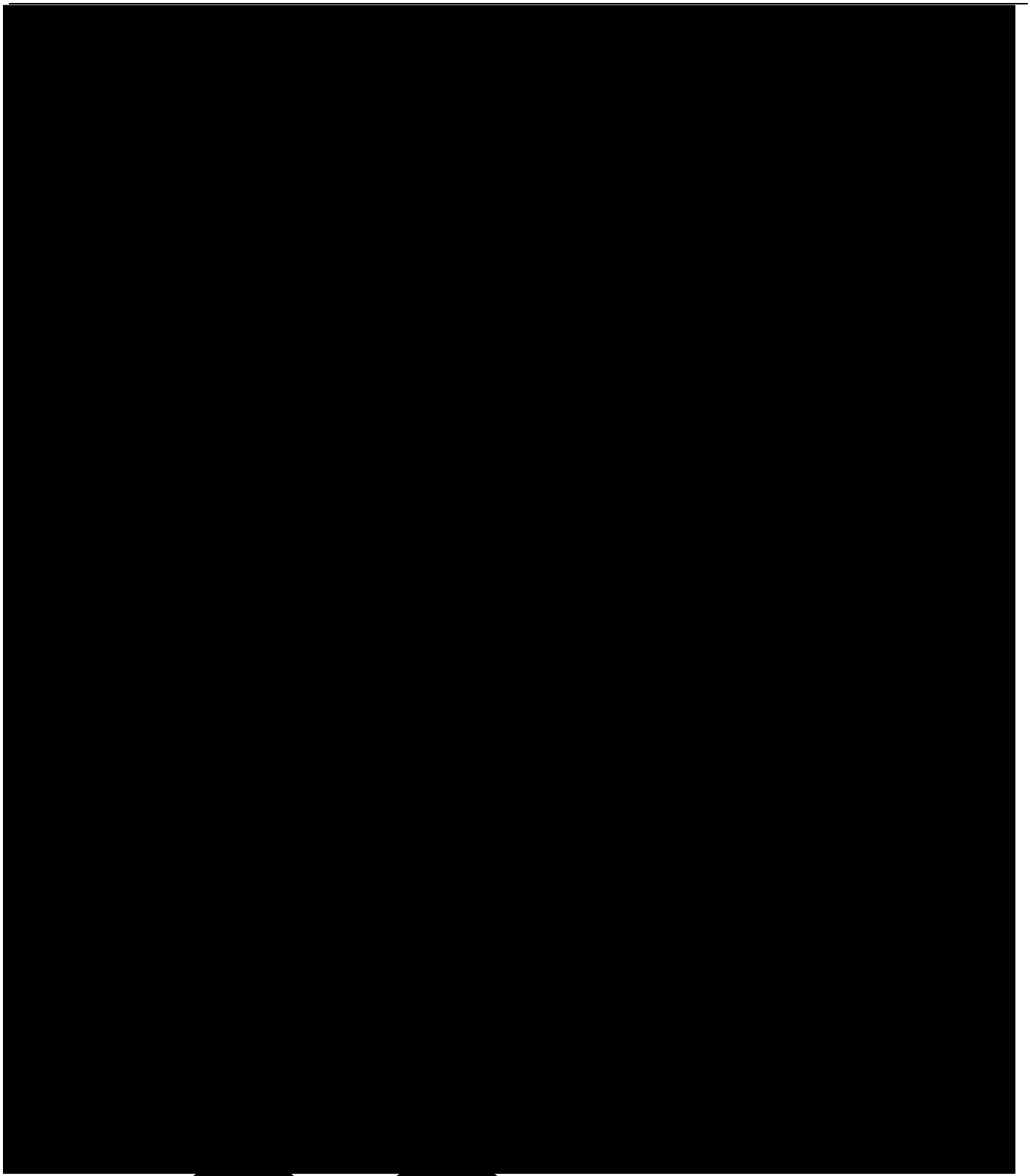
电性参数



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亮度分档

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代码	最小值	最大值	单位	测试条件
B9	6000	8000	mcd	IF=20mA
C1	8000	10000		

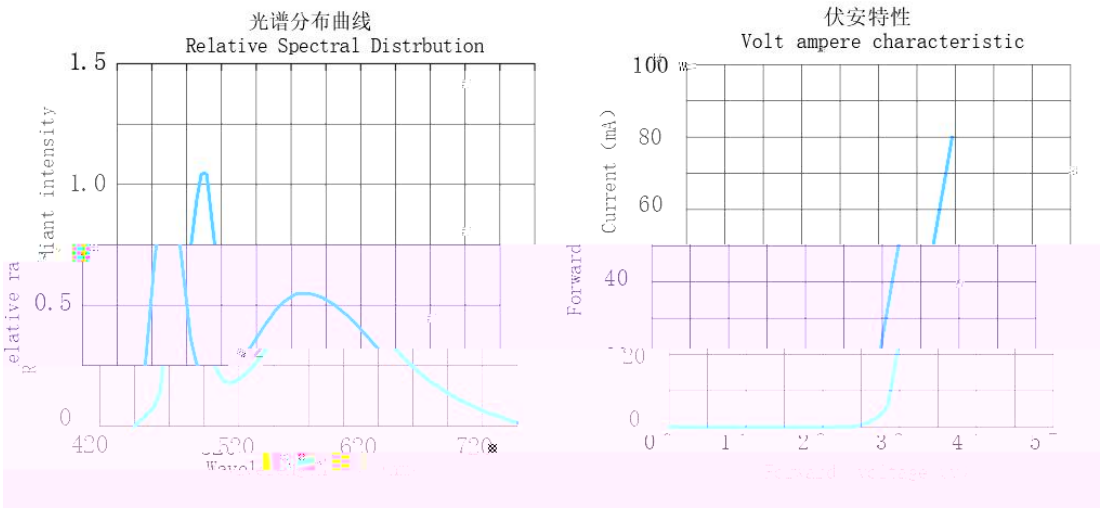
电压分档

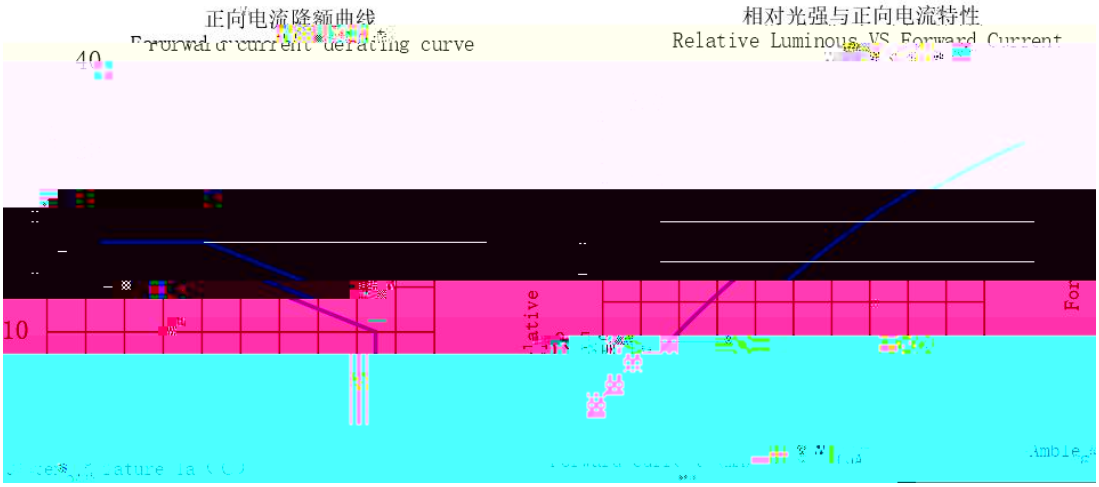
：

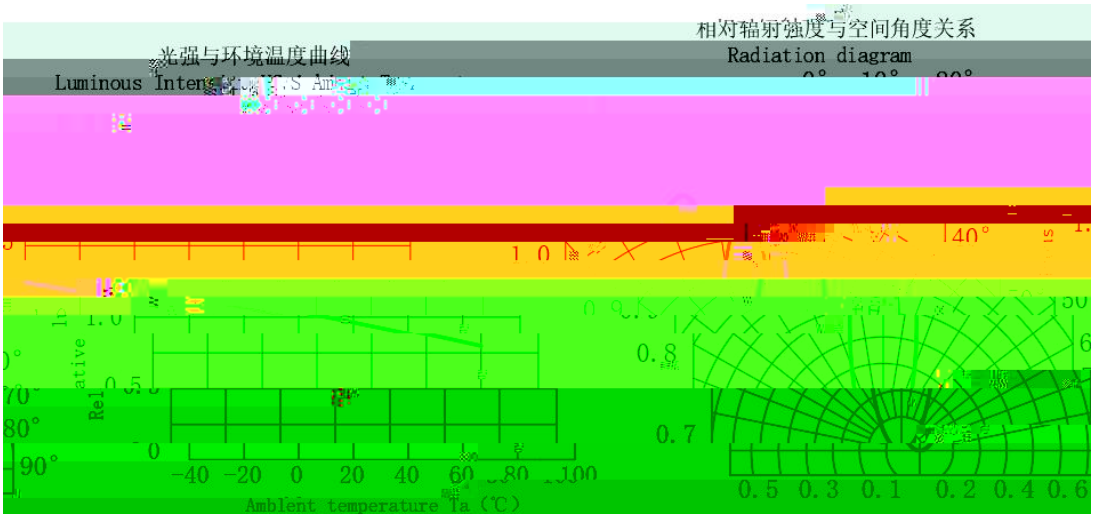
代码	最小值	最大值	单位	测试条件
N13-3	2.8	3.0		
N13-4	3.0	3.2	V	IF=20mA
N13-5	3.2			

色区分档

典型特性曲线







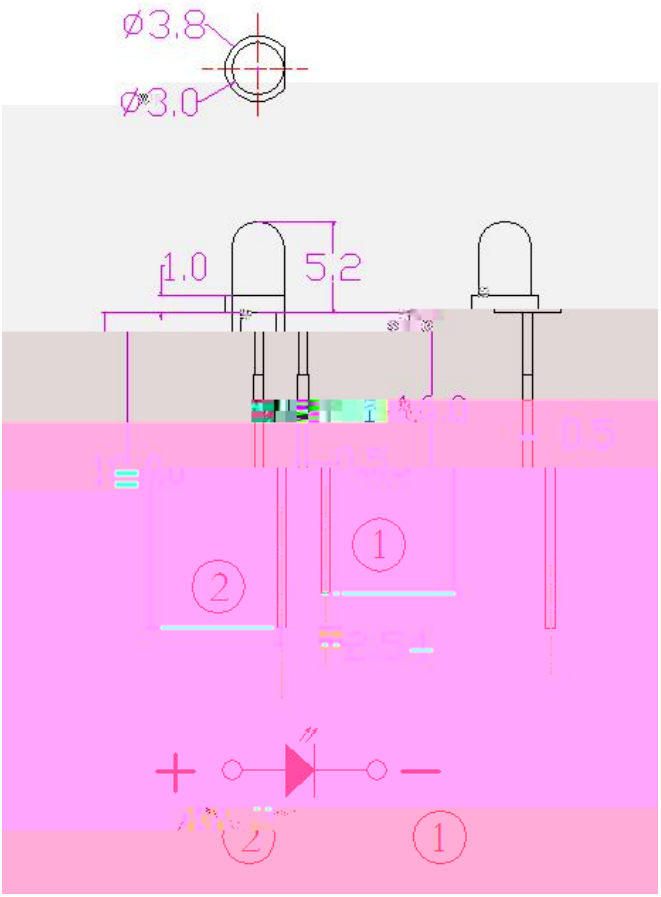
25 5 /Note If not otherwise indicated the test environment temp erature is 25 5

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-temperature storage	Ta= 85±5	1000hrs	22 PCS	0/1
	Low temperature storage	Ta= -40±5	1000hrs	22 PCS	0/1
Environmental testing	Cold and hot cycle	100 ±5 30mins 5mins -40 ±5 30mins	100 Circles	22 PCS	0/1
	Hot and cold impact	105 ±5 5mins -45 ±5 5mins	100 Circles	22 PCS	0/1
Mechanical Test	Resistance to Soldering Heat	T.sol= 250 ± 5	2times	22 PCS	0/1
	Lead Integrity	Load 2.5N(0.25kgf) 0°~ 90° ~0°	3times	22 PCS	0/1

外形尺寸



(Note)

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Dimensions are in millimeters.

2. ≠ ¨Ḥ ˋE ± 0.50㎜ .

Tolerances unless mentioned are ± 0.50mm.

包装

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In Bags

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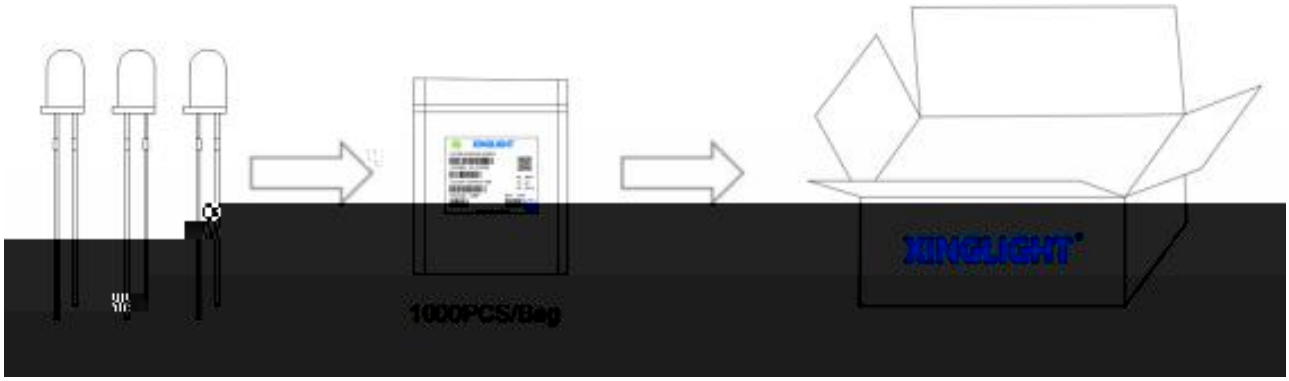
Moisture Proof and Anti-Electrostatic Foil Bag



◇ 标签说明： Label Explantion

CPN

MPN

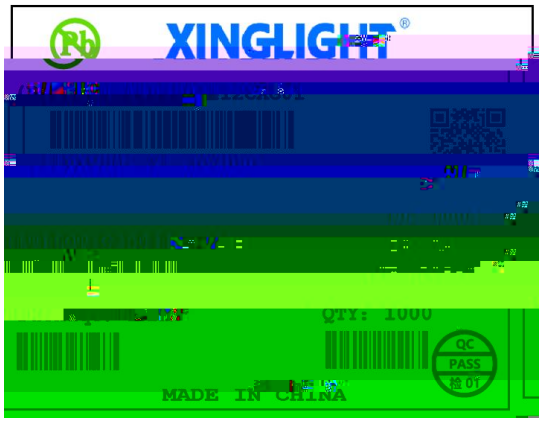
LOT

WL

IV

VF

Packaqe



使用注意事项（ ）

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使用注意事项（ ）

2mm LED

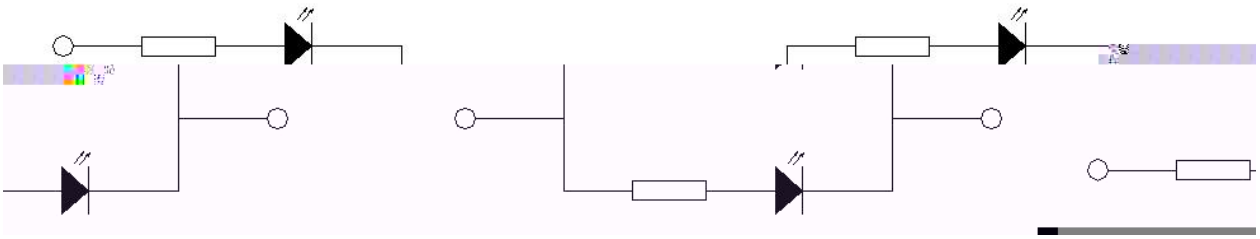
When welding, welding must be conducted below 2mm of colloid bottom. When welding, try to avoid soaking LED colloid. After welding, avoid adding external force on the pin or shaking LED colloid.

Soldering Temperature		Pre - heat	
		Pre- heat time	
Soldering time		Soldering Temperature	
		Soldering time	

Excessive welding temperature and prolonged welding can lead to LED deformation and failure

LED LED A 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.



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.

使用注意事项（ ）

8、其他事项：

*When handling the product, touching the encapsulant with bare hands will not only contaminate its surface, but also affect on its optical characteristics. Excessive force to the encapsulant might result in catastrophic failure of the LEDs due to die breakage or wire deformation. For this reason, please do not put excessive stress on LEDs, especially when the LEDs are heated such as during