

XL-524SURUGC



Technical Data Sheet

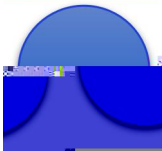
F5



特点 (characteristic) :

- *
- *
- * MSL :2
- *
- *
- *
- * 4
- *

应用领域 (product application) :



目录

Catalo

Electrical Characteristics.....3

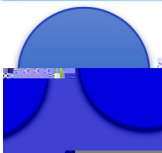
Typical Characteristic Curves.....5

Reliability Test Items And Conditions.....6

Outline Dimensions.....7

Packaging.....8

Precautions.....9



电性参数

Electrical Characteristics

Parameter	Symbol		G	Unit
Max Power Dissipation	PD			mW
Max Continuous Forward Current	IF	20	20	mA
Peak Forward Current	IFP	80	80	mA
Operating Temperature Range	TOPR	-20 ~ +85 °C		°C
Storage Temperature Range	TSTR	-40 ~ +85 °C		°C
Lead Soldering Temperature/Time	TSOL	reflow soldering 240 °C 6s manual welding 300 °C 3s 2.0mm		

Initial Electrical Optical Characteristics Ta=25

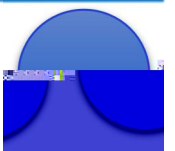
Parameter	Symbol	color	Min.	Typ.	Max.	Unit	Test conditions
Forward Voltage	VF	R	1.8	/	2.4	V	IF=20mA
		G	2.8	/	3.4		
Luminous Intensity	IV	R	500	/	1500	mcd	IF=20mA
		G	1800	/	3500		
Dominant Wave Length	λd	R	620	/	640	nm	IF=20mA
		G	515	/	535		
Peak Wave Length	λp	R	/	625	/	nm	IF=20mA
		G	/	525	/		
Viewing Angle	2θ1/2	R/G	/	30	/	deg	IF=20mA
Reverse Current	IR	R	/	/	≤10	μA	VR=5V
		G	/	/	≤10		

±10%

±0.1V (X,Y)

±0.01

±1nm



亮度分档:

Brightness grading:

代码 Code	最小值 Min	最大值 Max	单位 Unit	测试条件 Test conditions

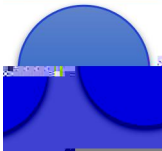
电压分档:

Voltage grading:

代码 Code	最小值 Min	最大值 Max
------------	------------	------------

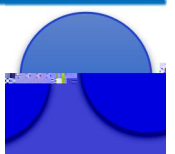
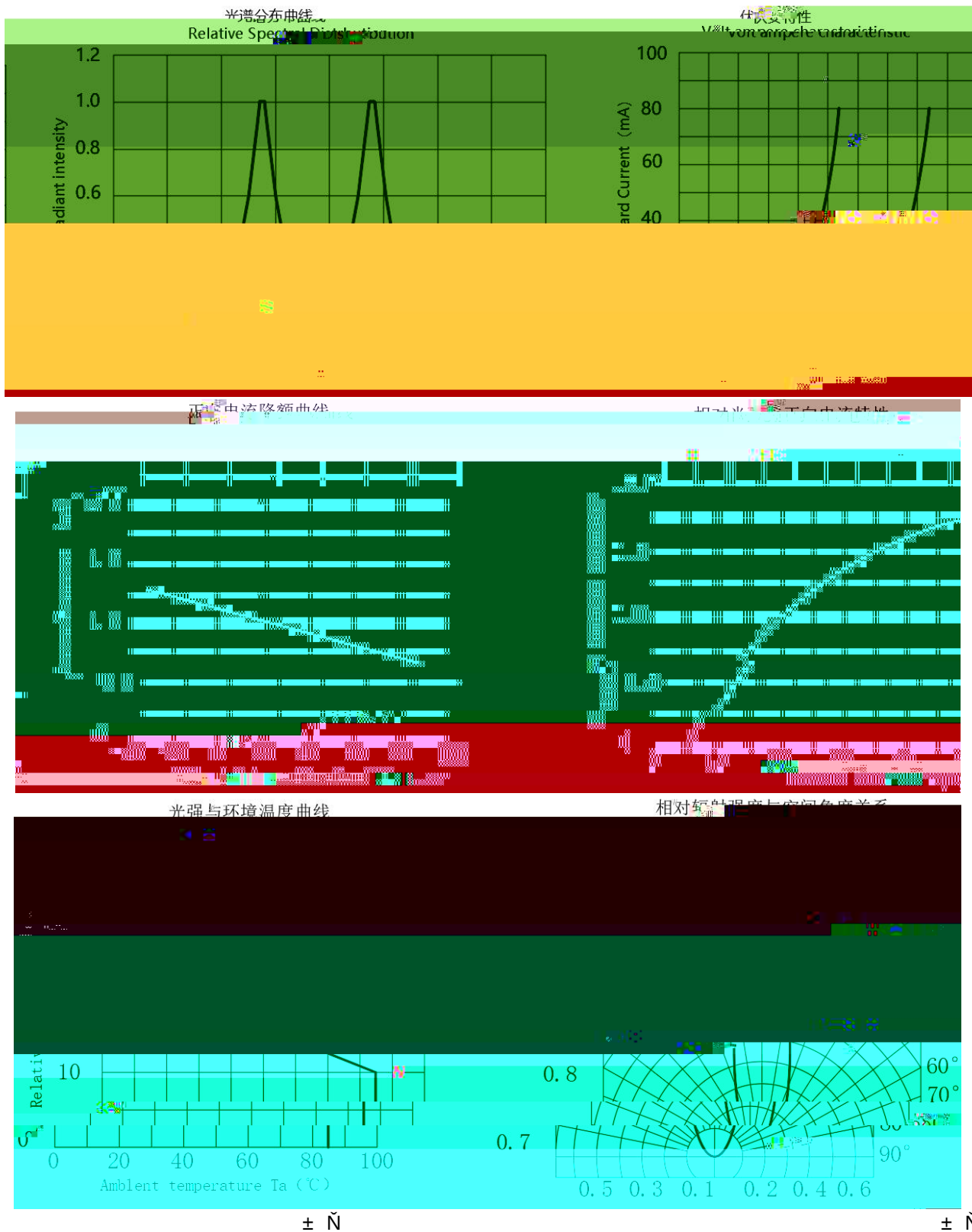
波长分档:

Wavelength grading:



典型特性曲线

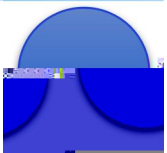
Typical Characteristics Curves

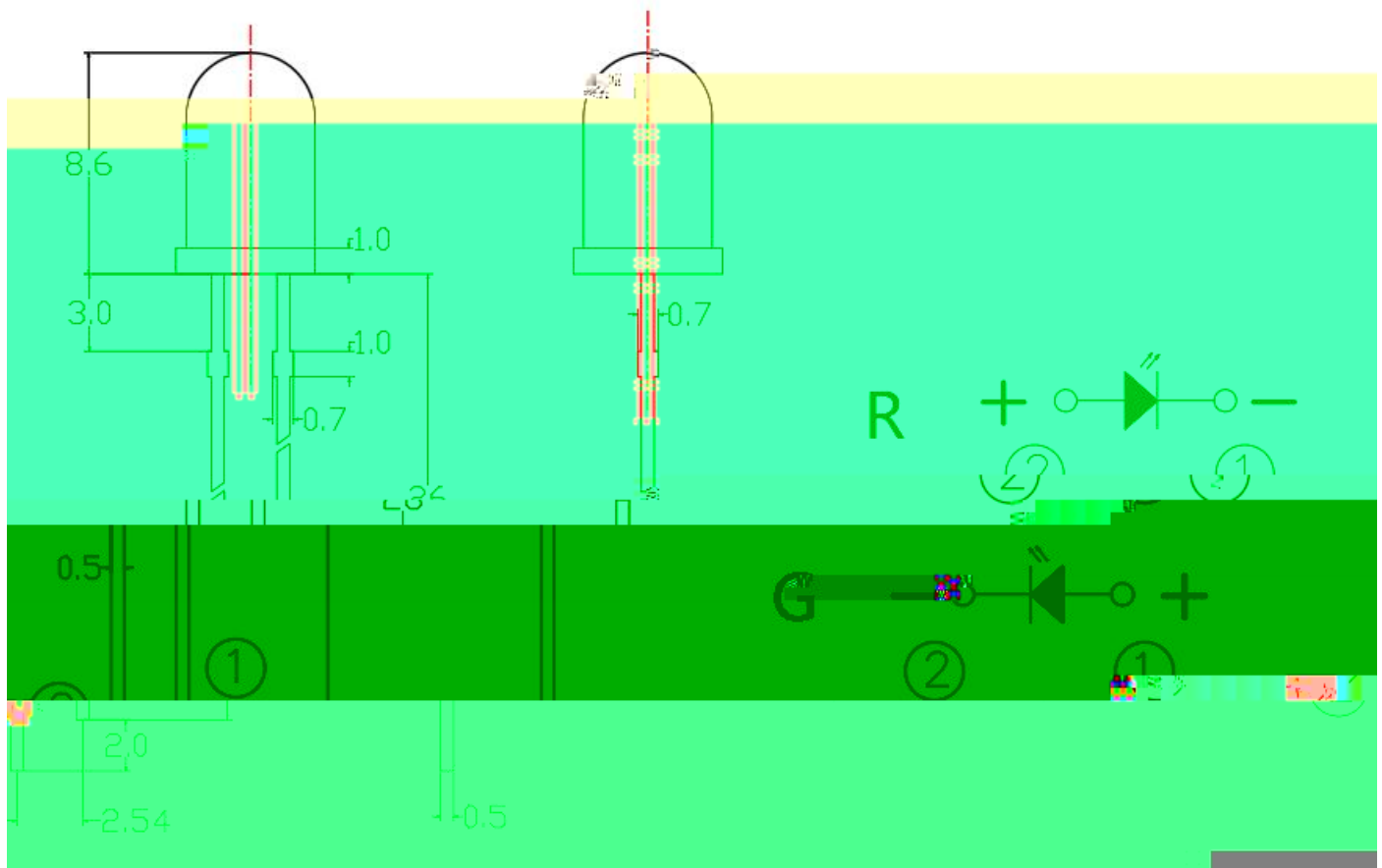
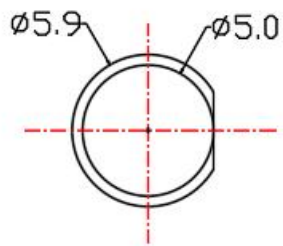


可靠性试验

Reliability Test Items And Conditions

Working life		Ta=25℃ ± 5℃ , IF=20mA	1000hrs	22 PCS	0/1
Endurance test	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
	Cold and hot cycle	100℃ ± 5℃ 30mins 5mins -40℃ ± 5℃ 30mins	100 Circles	22 PCS	0/1
Environmental testing	Hot and cold impact	105℃ ± 5℃ 5mins -45℃ ± 5℃ 5mins	100 Circles	22 PCS	0/1
Resistance to Soldering Heat		T.sol= 250 ± 5℃	2times	22 PCS	0/1
Mechanical Test					





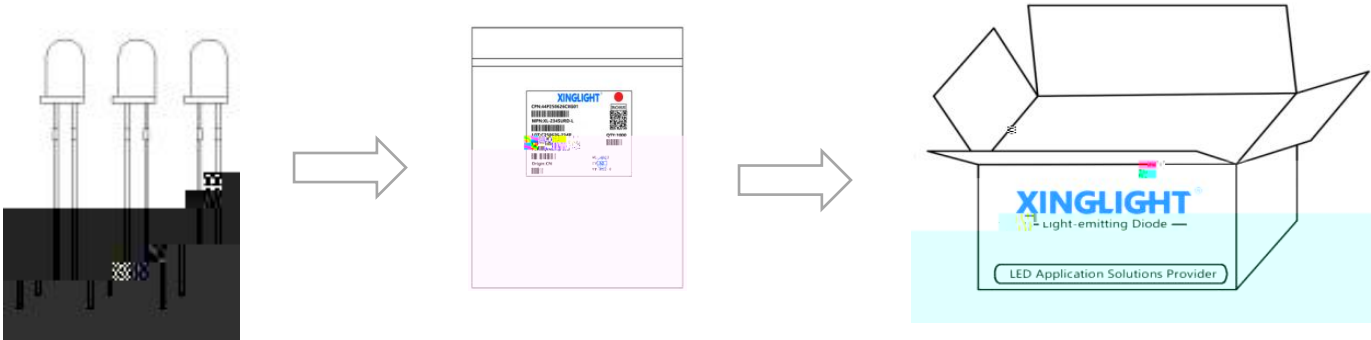
1.

2. _____ mm .



包装

Packaging



标签说明 Label Expansion

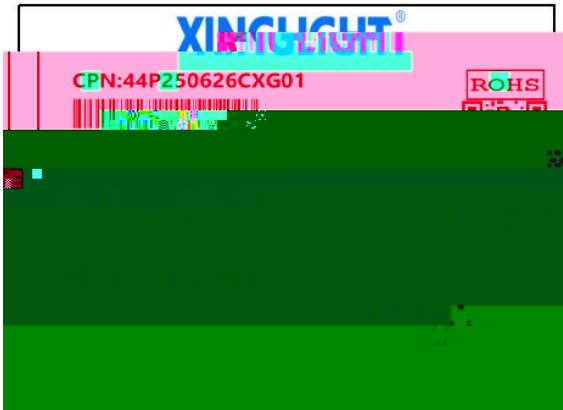
CPN: 批号/档位 LOT: 日期/封装颜色

MPN: 型号 VF: 电压代码

Wavelength: 波长 Wavelength: 波长

Current: 电流 Current: 电流

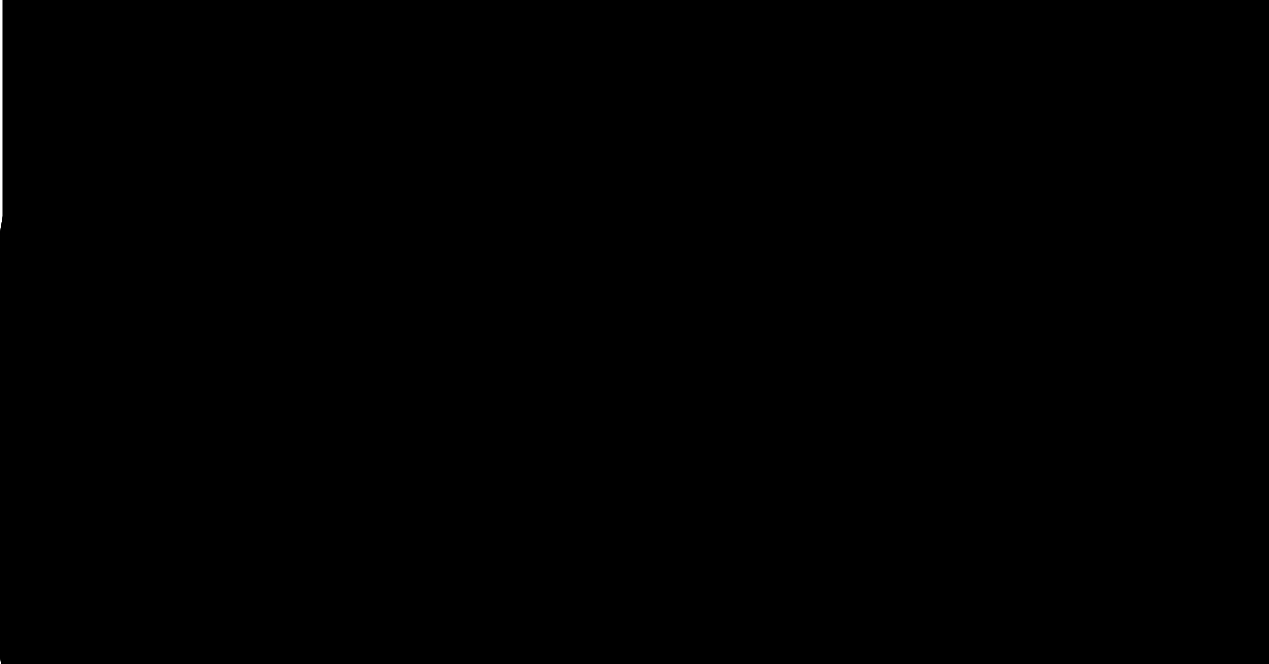
PACKAGE: 封装



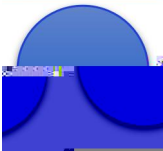
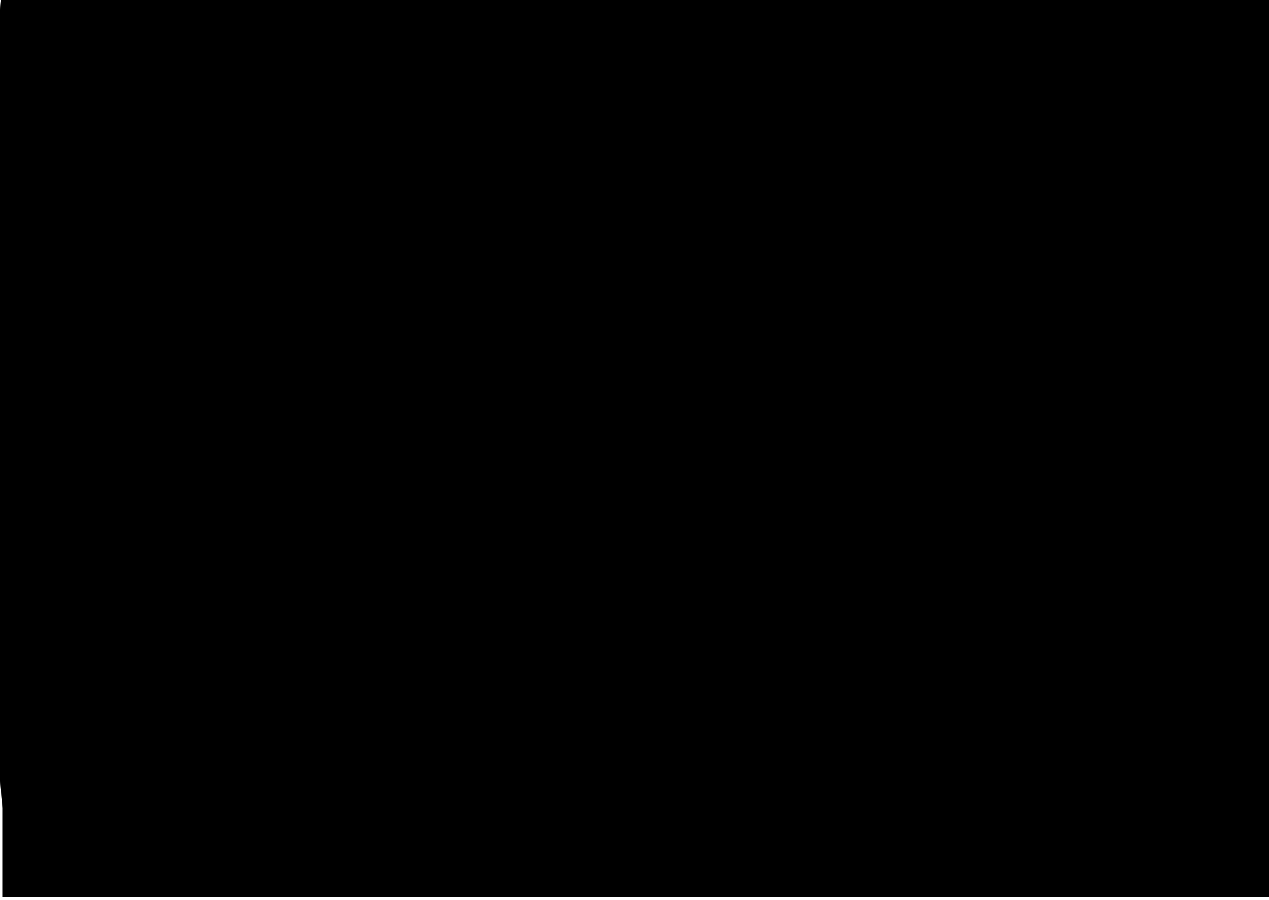
Part No. :

使用注意事項 ()

5.



6.



使用注意事項 ()

4、其他事項:

Others

* 山

山

*

