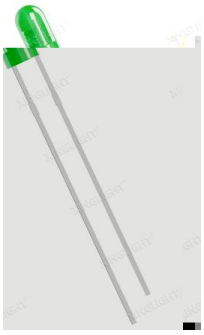
技术数据表

特点（ ）：



* : F3/3.8*3.0*5.2*28mm
Appearance dimension: F3/3.8*3.0*5.2*28mm
* : /
Luminous color and colloid: yellow green brightness White /green colloid
* ROHS
Environmental protection products meet ROHS requirements
* MSL :2

*

*

*

*

应用领域（ ）：

* ;
Home appliances, digital, communication
*
Automotive Electronics
*
Lighting decoration
*
electronic toy
*
electronic clock
*
Traffic instructions
*
Medical beauty instruments
*
Electronic teaching equipment
*
Urban lighting

目录

Catalogue

电性参数

Max Continuous Forward Current	IF		

Luminous Intensity	Iv	50	/	300	mcd	IF=20mA
Dominant Wave Length	λd	562	570	575	nm	IF=20mA
Peak Wave Length	λp	/	570	/	nm	IF=20mA
Forward Voltage	VF	1.8	2.3	2.6	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

±10% ±0.1V (X,Y) ±0.01 ±1nm

Note: the light intensity error is 10%; The pressure drop error is ±0.1V ; (X,Y) coordinate deviation ±0.01 wavelength error ±1 nm.

亮度分档

代码	最小值	最大值	单位	测试条件

电压分档

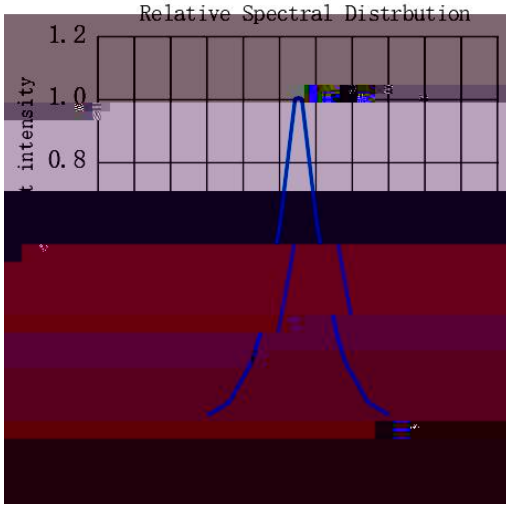
代码	最小值	最大值	单位	测试条件

波长分档

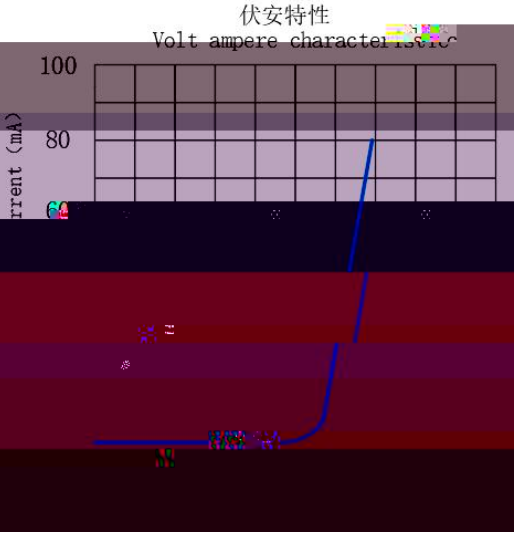
代码	最小值	最大值	单位	测试条件

典型特性曲线

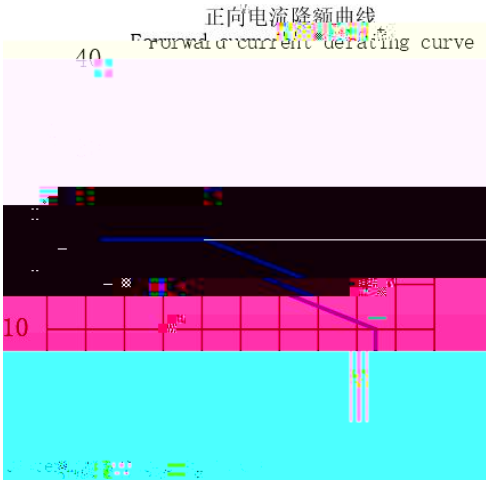
光谱分布曲线
Relative Spectral Distrbution



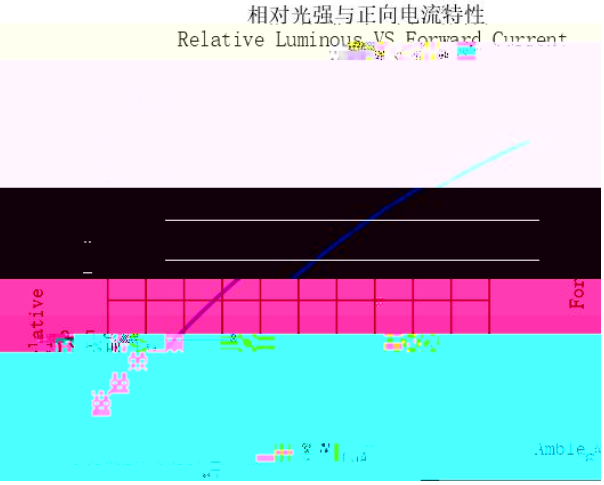
伏安特性
Volt ampere characteristic



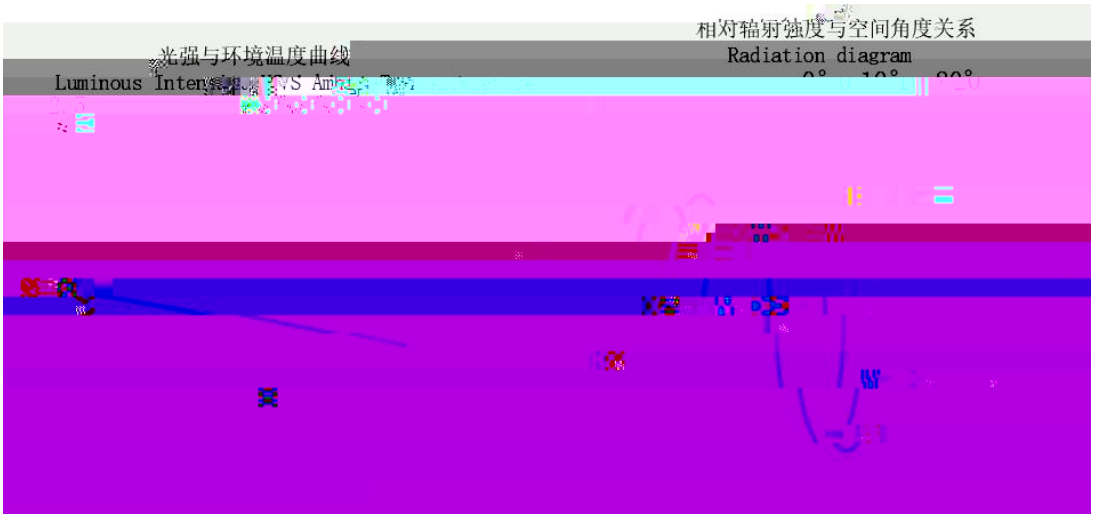
正向电流降额曲线
Forward current derating curve



相对光强与正向电流特性
Relative Luminous VS Forward Current



光强与环境温度曲线
Luminous Intensity VS Ambient Temperature



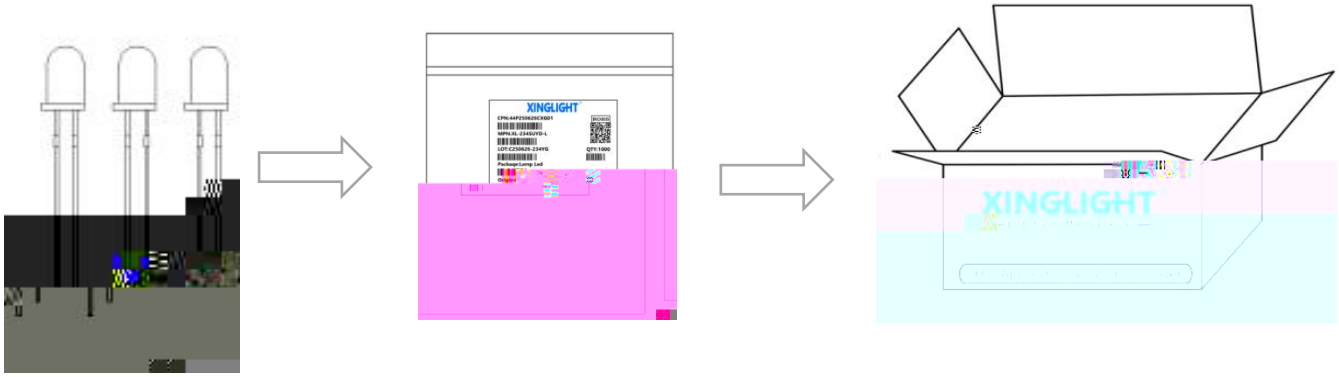
相对辐射强度与空间角度关系
Radiation diagram

可靠性试验

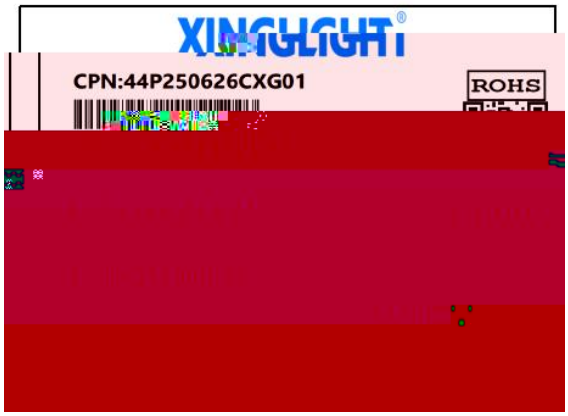
Reliability Test Items And Conditions

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

包装

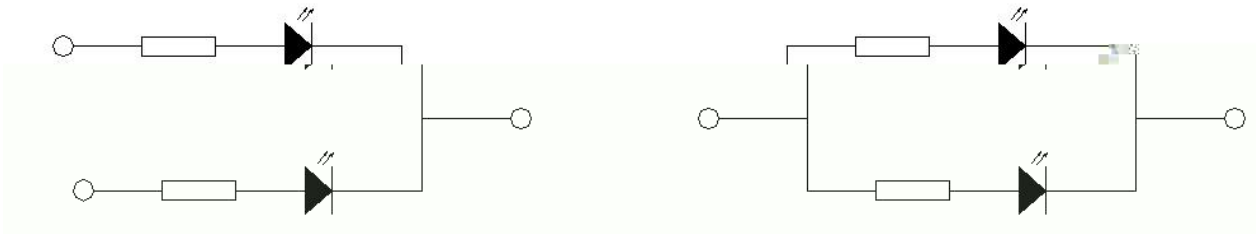

XINGLIGHT
XINGLIGHT

Label Expantion
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


XINGLIGHT
CPN:44P250626CXG01
ROHS

使用注意事项(2)

(2)

LED

LED