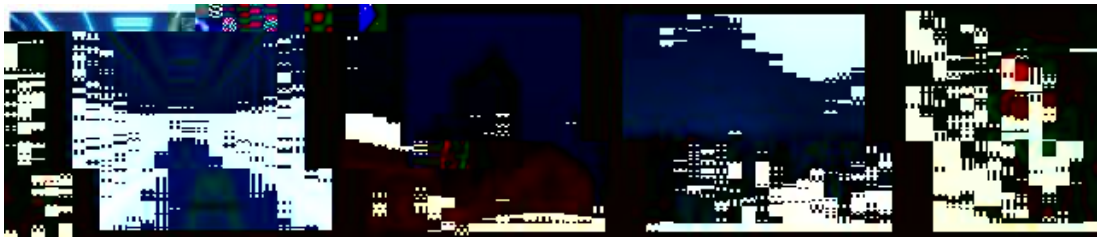
XL-502SYGC F5 技术数据表

特点（ ）：

* : F5/5.5*5.0*8.7*18mm
Appearance dimension: F5/5.5*5.0*8.7*18mm
* : /
Luminous color and colloid: green brightness White /water colloid
* ROHS
Environmental protection products meet ROHS requirements
* MSL :2
Moisture sensitivity level MSL : 2 levels
* EIA
EIA standard packaging
*
Long operating life
*
High energy efficiency, fast startup
*
Low voltage DC drive

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			

Luminous Intensity	Iv	300	500	700	mcd	IF=20mA
Dominant Wave Length	λd	565	/	575	nm	IF=20mA
Peak Wave Length	λp	/	570	/	nm	IF=20mA
Forward Voltage	VF	2.0	2.2	2.6	V	IF=20mA
Viewing Angle	2Ø1/2	/	30	/	deg	IF=20mA
Spectral Width at half height	λ	/	30	/	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%-ex

亮度分档

：

代码	最小值

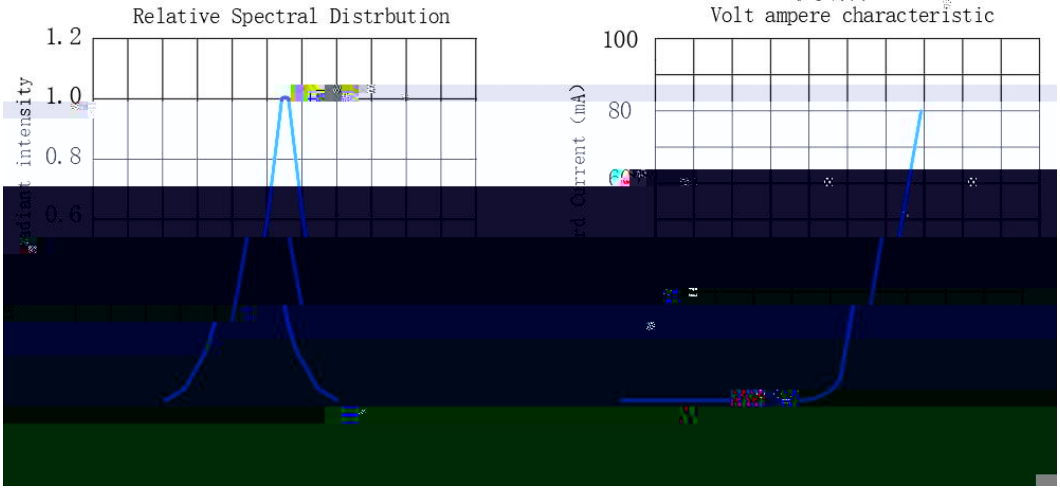
电压分档

：

波长分档

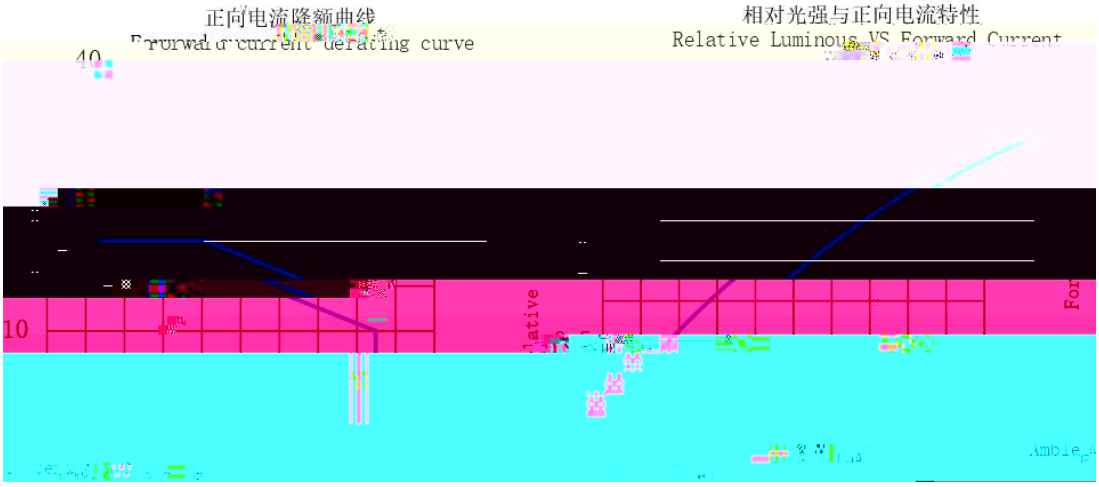
典型特性曲线

光谱分布曲线
Relative Spectral Distrbution



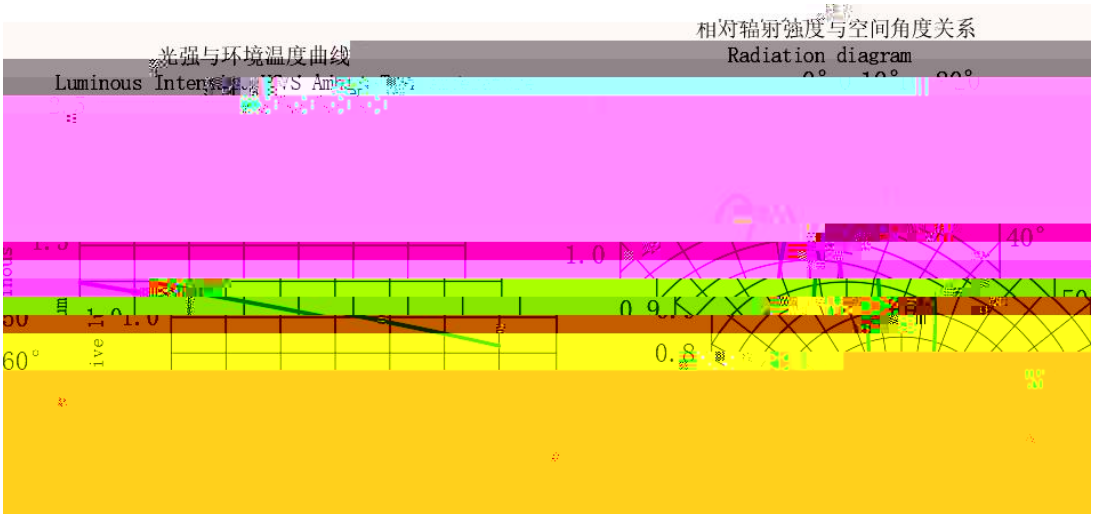
伏安特性
Volt ampere characteristic

正向电流降额曲线



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

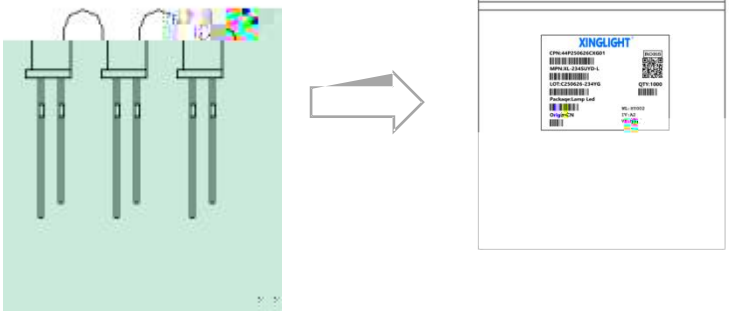
可靠性试验

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

外形尺寸

包装



使用注意事项(1)

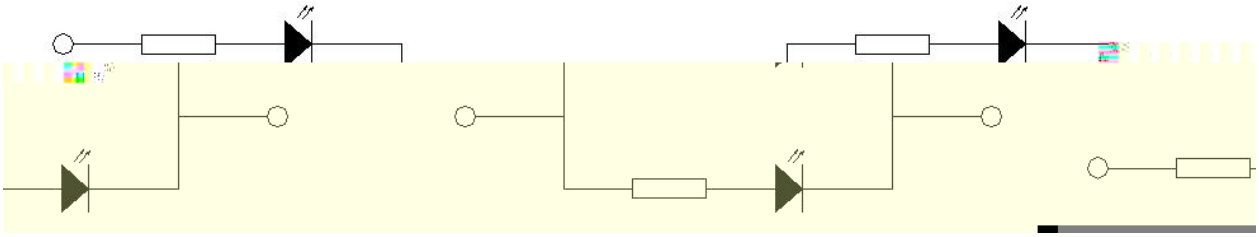
LED

使用注意事项(2)

(2)

LED

LED

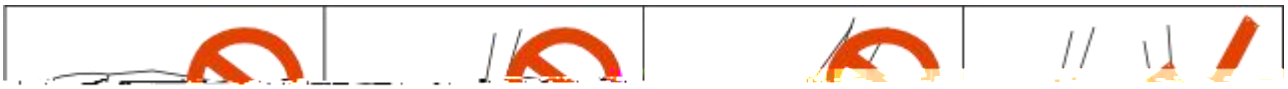


使用注意事项（）

8、其他事项：

*

*



*

*

9、眼睛保护忠告：

*

*