XL-504UBC F5 技术数据表

特点（ ）：

* : F5/5.5*5.0*8.7*28mm
Appearance dimension: F5/5.5*5.0*8.7*28mm
* : /
Luminous color and colloid: blue 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

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	3000	4500	6000	mcd	IF=20mA
Dominant Wave Length	λd	460	465	475	nm	IF=20mA
Peak Wave Length	λp	/	465	/	nm	IF=20mA
Forward Voltage	VF	2.8	3.0	3.4	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%; 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

：

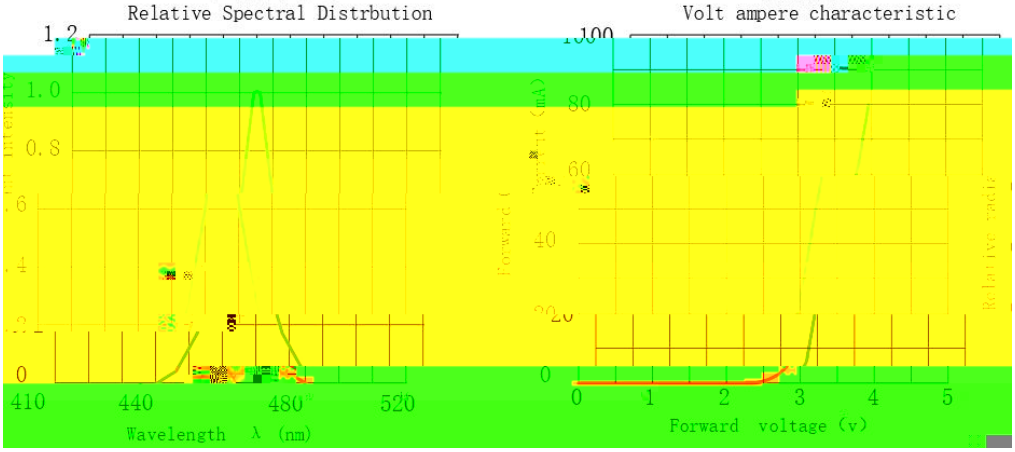
代码	最小值	最大值	单位	测试条件

波长分档

代码	最小值	最大值	单位	测试条件

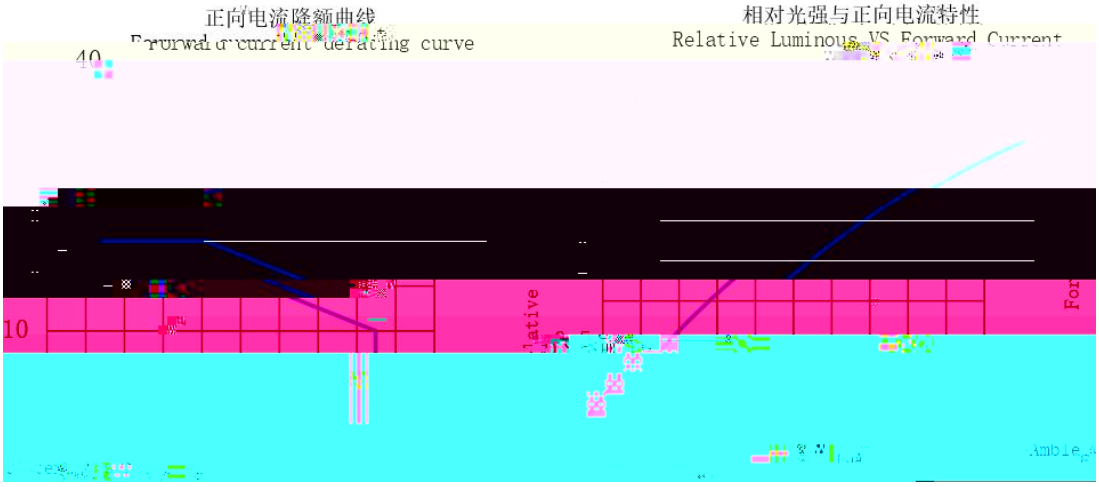
典型特性曲线

光谱分布曲线
Relative Spectral Distrbution



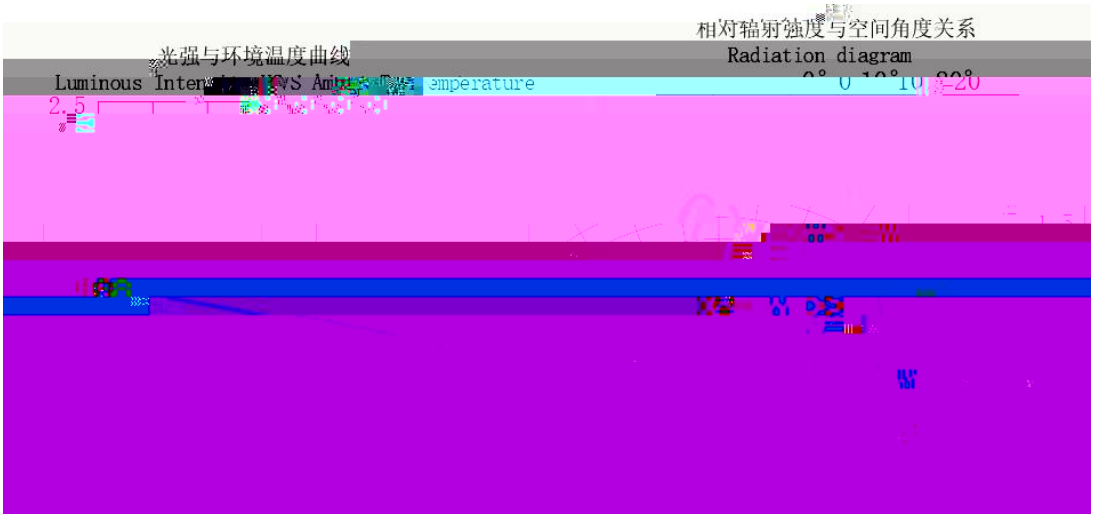
伏安特性
Volt ampere characteristic

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

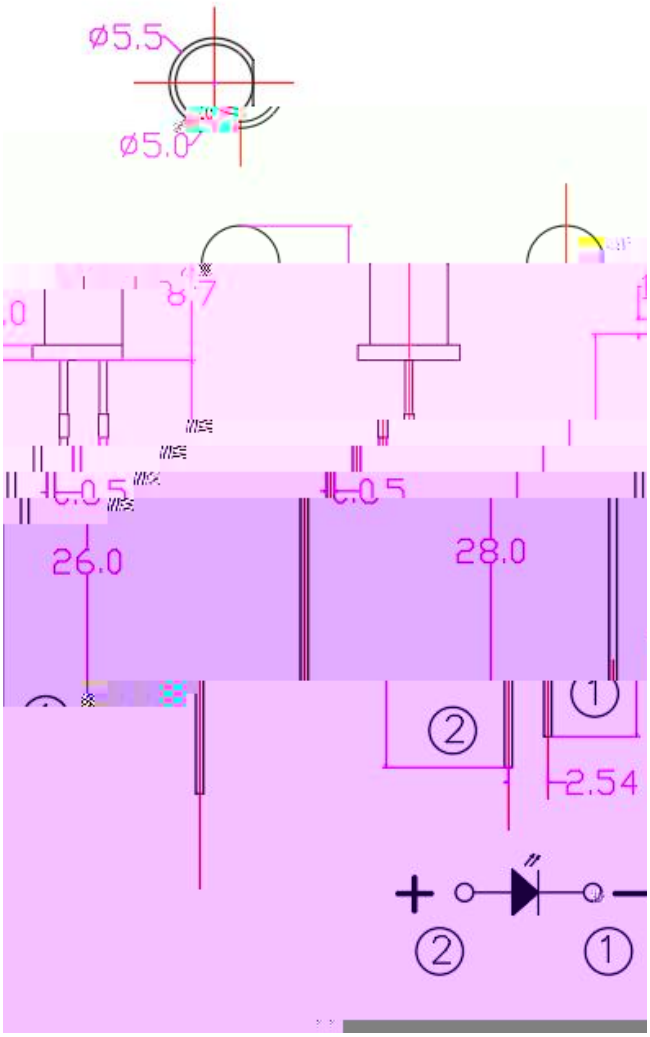


相对辐射强度与空间角度关系
Radiation diagram

±

±

外形尺寸



1.

2. mm .

使用注意事项（ ）

LED

8、其他事项：

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