XL-A504RGBC F5七彩长脚透明共阳 技术数据表

特点（ ）：

* :F5/5.8*5.0*8.7*28mm

Appearance dimension:F5/5.8*5.0*8.7*28mm

* RGB/

Luminous color and colloid: Highlight RGB/Mist colloid

* ROHS

Environmentally friendly products, meeting ROHS requirements

* MSL :2

Moisture sensitivity level MSL : 2 levels

* EIA

EIA standard packaging

*

Long operating life

*

High energy efficiency, fast startup

应用领域（

*

Backlight module application; ;

*

Azn

目录

Catalogue

电性参数

ǟ ˆ ˜ ˆ ˜

ǟ O	˝	ṿ		ɿ β
w Consumed power	Pd	R	50	mW
		G	70	
		B	70	
h ǁ Peak Forward current	IFP	R	80	mA
		G	80	
		B	80	
h ƀ Forward working current	IF	R	20	mA
		G	20	
		B	20	
ǐ h ˧˥ Reverse voltage	VR	R	5	V
		G	5	
		B	5	
ʐ Antistatic ability		2000		
ƀ Operating ambient temperature	Topr	-40 ~ +85 Ṇ		
Ữ Storage ambient temperature	Tstg	-40 ~ +85 C		
Đ Welding conditions	Tsol	ˆ reflow soldering˜ ˈ 240°C˘ ˅ 6s ˆ manual welding ˜ ˈ 300°C˘ 3s ضي 2.0mm ɣ ˛ ˛		

[redacted]参数 Ta=25 Optical-electrical parameter(ta=25 Ņ)

ǟ	O	ˇ	Ð

亮度分档

：

代码	最小值	最大值	单位	测试条件
A7	700	900	mcd	IF=20mA
A8	900	1200		
A9	1200	1500		
B1	1500	1800		
B7	4000	5000		
B8	5000	6000		

电压分档

：

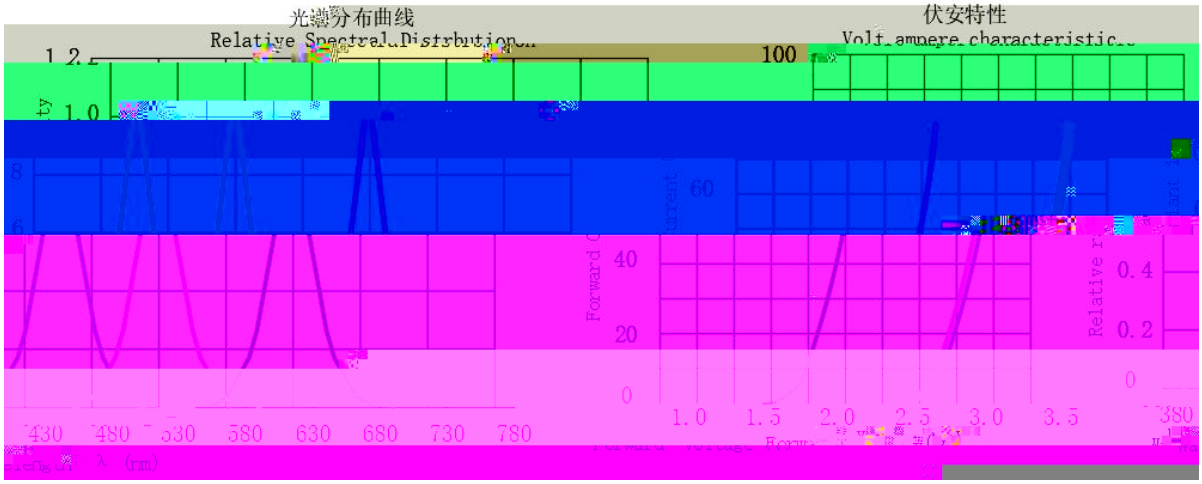
代码	最小值	最大值	单位	测试条件
N12-7	1.8	2.0	V	IF=20mA
N12-8	2.0	2.2		
N12-9	2.2	2.4		
N13-3	2.8	3.0		
N13-4	3.0	3.2		
N13-5	3.2	3.4		

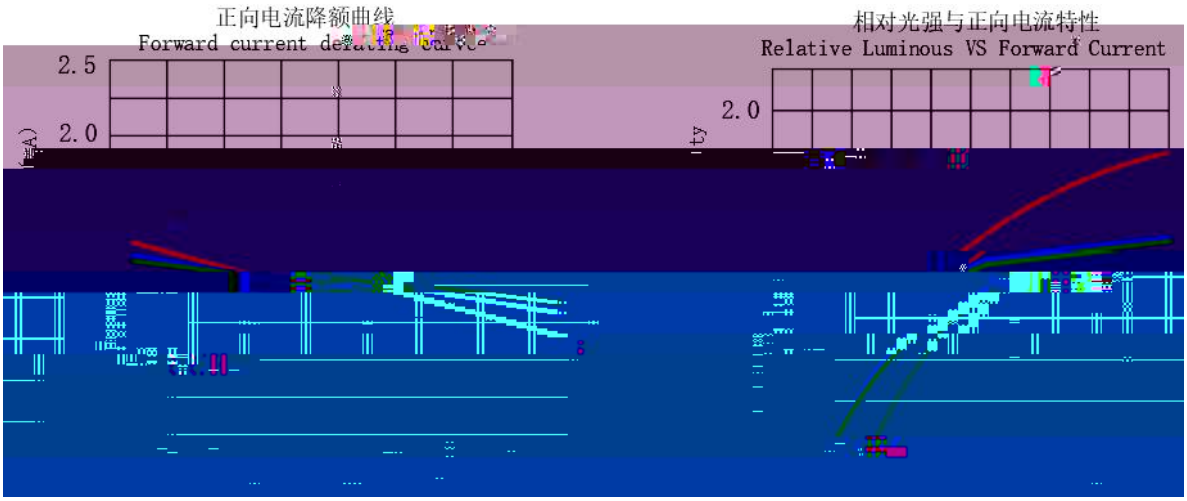
波长分档:

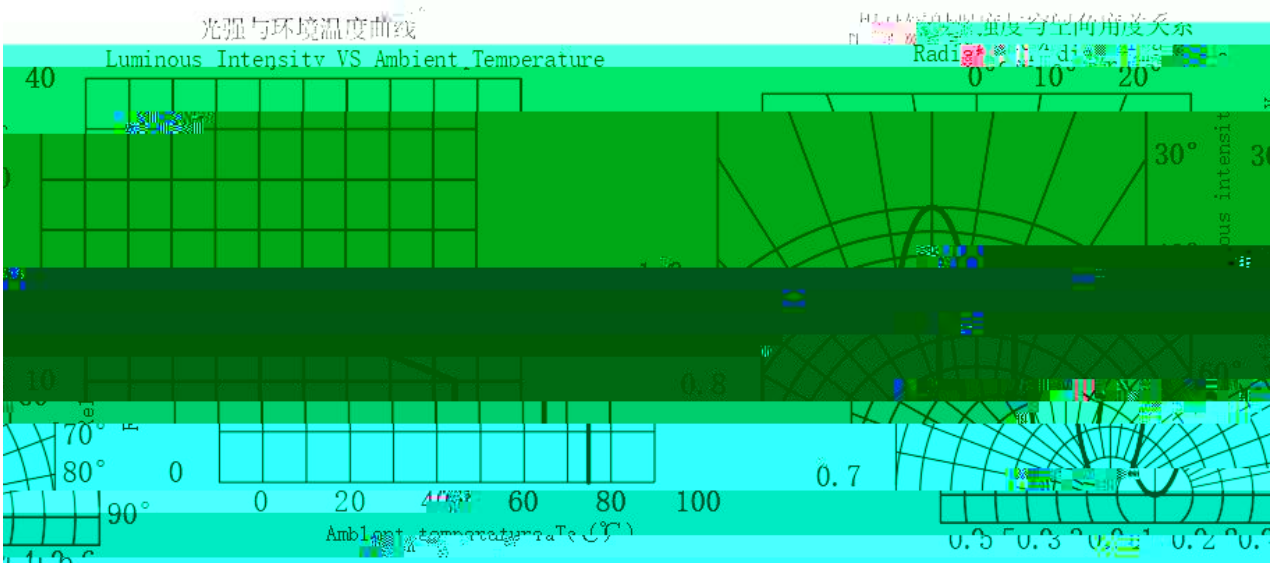
Wavelength gradin:

代码	最小值	最大值	单位	测试条件
HR02	620	625	nm	IF=20mA
HR03	625	630		
HG02	515	520		
HG03	520	525		
HG04	525	530		
HB04	460	465		
HB05	465	470		

典型特性曲线


光谱分布曲线
Relative Spectral Distribution
伏安特性
Volt ampere characteristic
100
60
40
20
0
0.4
0.2
0
1.0
1.5
2.0
2.5
3.0
3.5
430
480
530
580
630
680
730
780


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
2.5
2.0
2.0

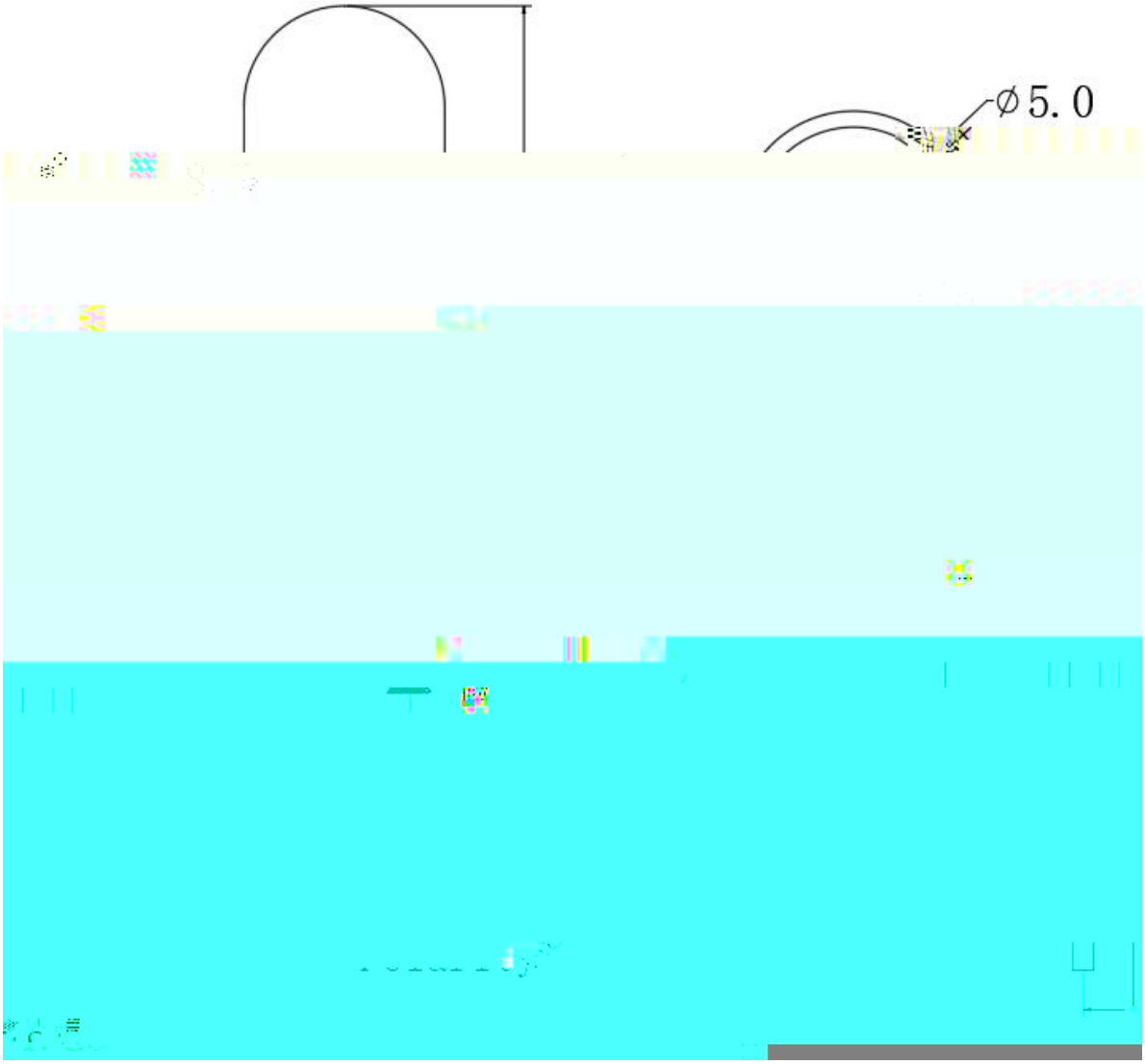

光强与环境温度曲线
Luminous Intensity VS Ambient Temperature
40
0
10
20
30°
70°
80°
90°
0
20
60
80
100
0.7

可靠性试验

Reliability Test Items And Conditions

Class	Test item	Testing environment	Testing time	Qty	Fail qty
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%RH	1000hrs	22 PCS	0/1
	High-temperature storage	Ta= 85℃±5℃	1000hrs	22 PCS	0/1

外形尺寸



(Note)'

1. ㄱ β ㅂ

Dimensions are in millimeters.

2. ≠ ˘ "Ḥ `E ± 0.50㎜ .

Tolerances unless mentioned are ± 0.50mm.

使用注意事项（ ）

1.

This LED can be used in some ordinary electronic equipment, such as office equipment, communication equipment, house decoration, if LED is used in some high reliability requirements, such as add transportation, traffic control and medical liao equipment, must refer to the information provided by sales.

Storage environment of LED with temperature not exceeding 30 and relative humidity not exceeding 70%.It is recommended that LDE be used in the original box for no more than three months. If longer storage time is required, put it in the drying box and add desiccant or filled with nitrogen.

使用注意事项

ˇ ضي r 2mm γ Й ˇ ضي ˇ ζ ῷ LED r ˇ ضي ‡ Uˇ
ῷ ضي ⁘ ∀ ζ ˩ LED r Â

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.

LED ╠ ˩ ˇ LED ч ˇ Aˇ ضي LEDˇ ∀ ϖ ˇ γ Ḡ LED
Ḥ ϖ Â

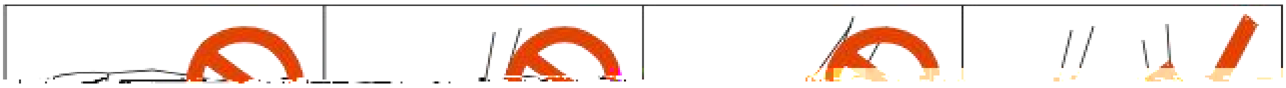
In the current driving mode of LED, if LED is multiple in parallel, it is recommended to use line A and add a flow limit resistance to each LED to ensure the consistent brightness of LED.

使用注意事项（ ）

8、其他事项：

* ǖ̊ ج ƀ ᵖ ψ ˘ З̃ G ݹ ̊̊ ج ᶄ Â ˦ ʐ З̃ ڗ ῥ ڠ ˘ ݹ ˜ ̊̊ ج ٧ ˦ ʐ̆ ≢ ̊̊ ج G Ӳ ᴰ ܥ ṬÂ

*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 Reflow Soldering.



*LED № ˘ ˜ ݽ à ᵣ ⌂ à №Â ض ǚ Ṛ Ӟ Â

*The epoxy resin of encapsulant is fragile, so please avoid scratch or friction over the epoxy resin surface. While handling the product with tweezers, do not hold by the epoxy resin, be careful.

9 à **眼睛保护忠告：**

*LED ǚ ῴ ˘ ˜ ǚ ῴ ῴ ˘ ≢ G ẅ ῴ LED˘ ῴ̃ ᴴ ת Â

*Viewing direct to the light emitting center of the LEDs, especially those of great Luminous Intensity, will cause great hazard to human eyes. Please be careful.

й ḱ ˘ ƀз

If there are any modifications to the specification sheet, no further notice will be given