



深圳市亞磊科技有限公司

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P/N: YLC-0.5WJY20RGB-HA

Descriptions:

- ◆ High Power LED Lamp, 6 pins, 3*0.5W
- ◆ Emitting Color : Red, Green, Blue
- ◆ Lens color: Water Clear



Absolute Maximum Rating(TA=25℃)

Items	Symbol	Absolute Maximum Rating	Unit
Reverse Voltage	V_R	5	V
Reverse current	I_R	10	uA
Peak Current(duty)	I_{FP}	200	mA
Driving Current	I_F	150	mA
Power Dissipation	P	3*0.5W	W
Operating Temperature range	T_{OPR}	-20 ~ +80	℃
Storage Temperature range	T_{STG}	-30 ~ +85	℃
Lead soldering temperature	T_{SOL}	Max. 260℃ for 5 second Max.	

Electro-optical characteristics(TA=25℃)

RED COLOR :

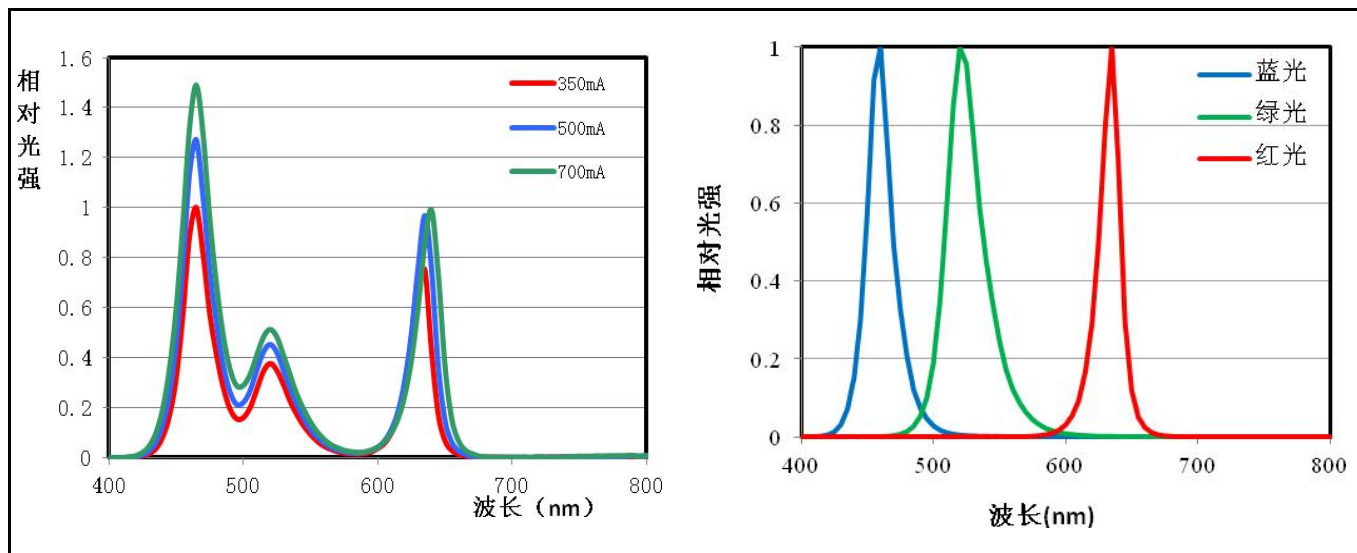
Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	V_F	1.90	2.10	2.40	V	IF=350mA
Luminous intensity	I_V	15.00		30.00	LM	IF=350mA
Peak emission wavelength	λ_p	620.00	625.00	630.00	nm	IF=350mA
Half intensity angle	$2\theta^{1/2}$		130		deg	IF=350mA

GREEN COLOR :

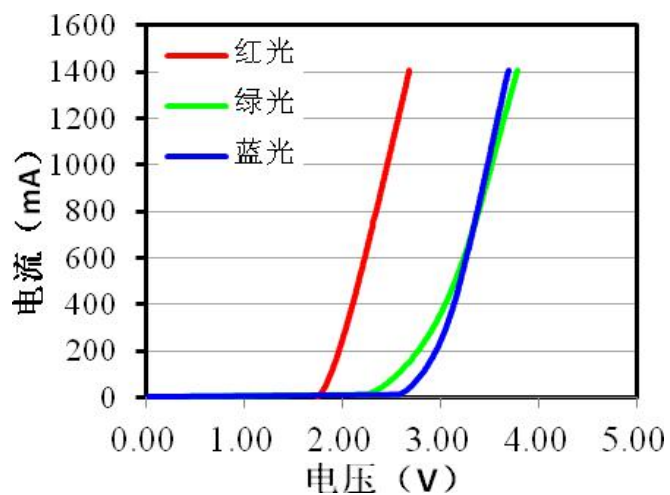
Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
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Typical Electro-Optical Characteristic Curves(TA=25℃)

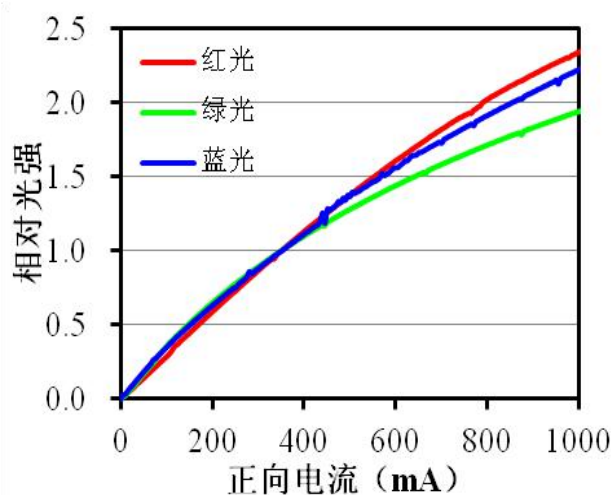
1. Relative spectrum distribution, IF=150mA



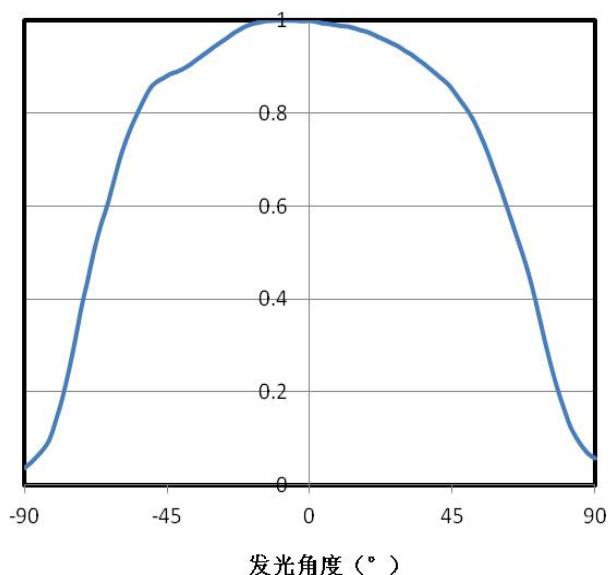
2. Forward Voltage VS Forward Current



3. Relative Luminous Intensity VS Forward Current



4. Light intensity distribution curve



5. Wave length VS Forward Current

