

PRODUCT SPECIFICATION



Part No. : JH-225IRRVR12E42-CDTC
High Power LED

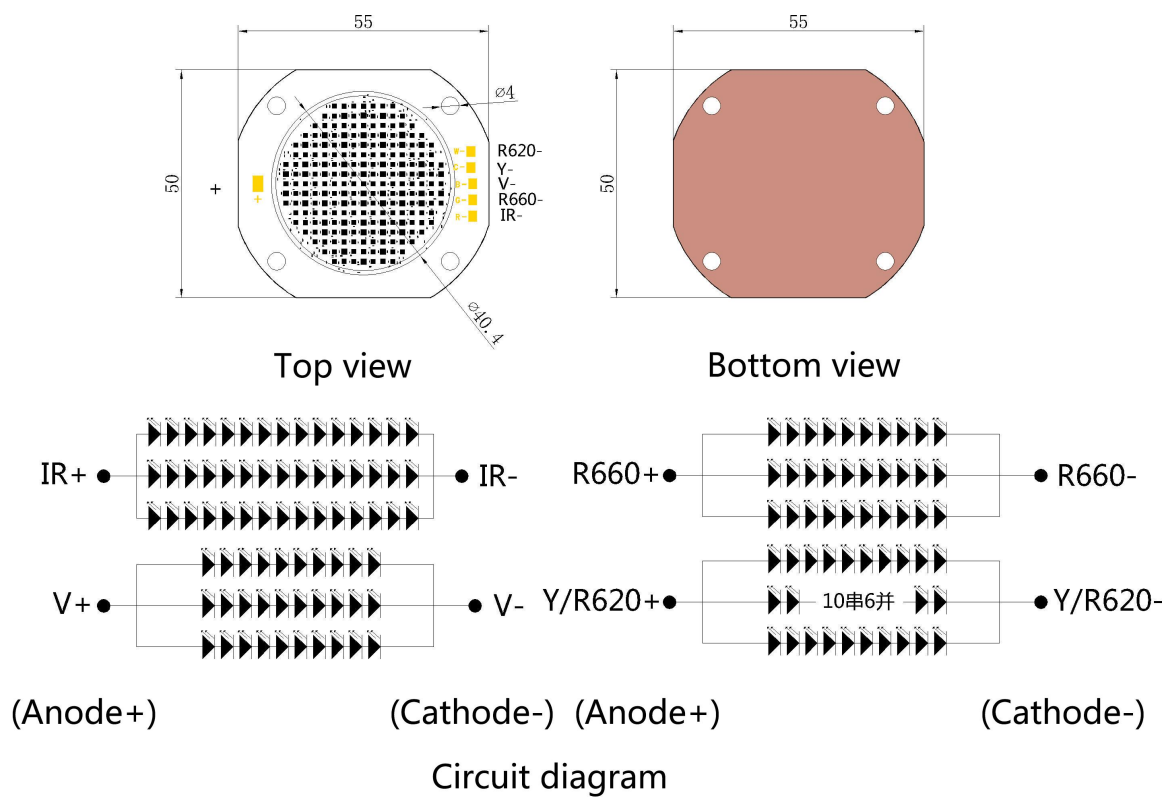
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1.Product Features

- High Brightness RGBWC LED
- Plane Package
- Viewing Angle 140 Degree
- Chip Material: InGaN AlGaInP
- RoHS Compliant

2.Dimensions



Notes:

1. All dimensions are in millimeters.
2. Tolerance is $\pm 0.1\text{mm}$ unless otherwise noted.

3. Absolute Maximum Rating @ Ta=25° C

Parameter	Symbol	Maximum Rating	Unit
Continuous Forward Current	IF	1050/2100	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFp	2300	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	225	W
Electrostatic Discharge	ESD	1000	V
Operating Temperature Range	TOPR	-25°C to +80°C	
Storage Temperature Range	TSTG	-35°C to +100°C	
Lead Soldering Temperature	TSOL	350°C	

4./Optical Character @ Ta=25° C

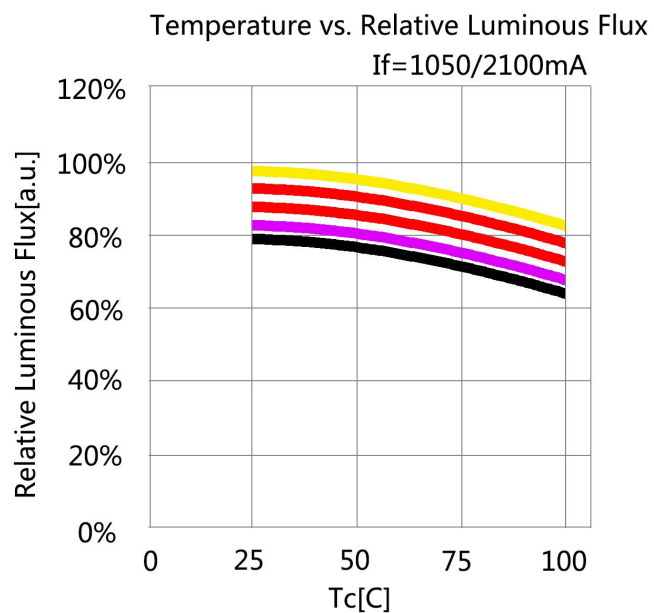
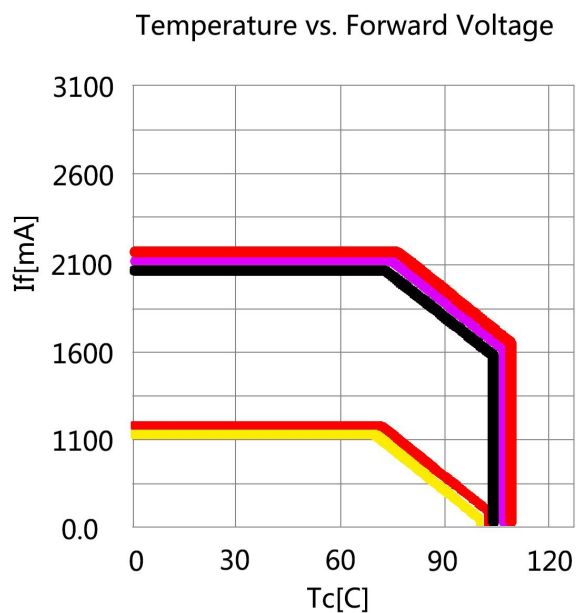
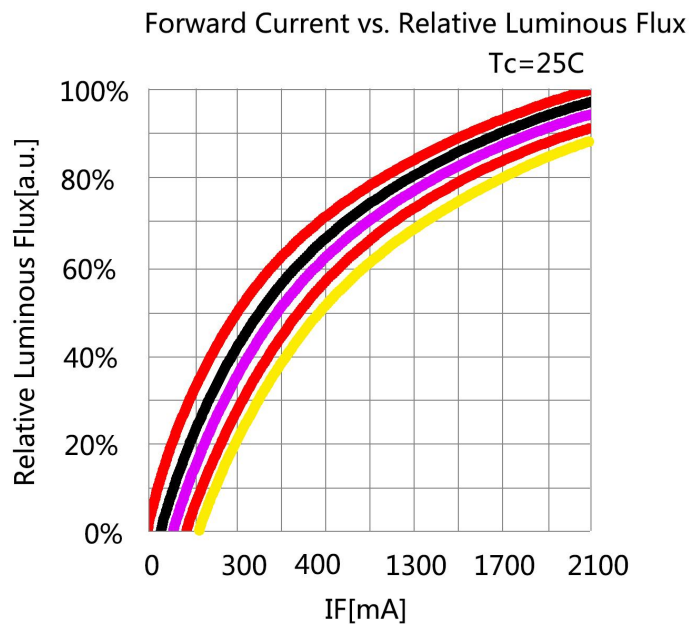
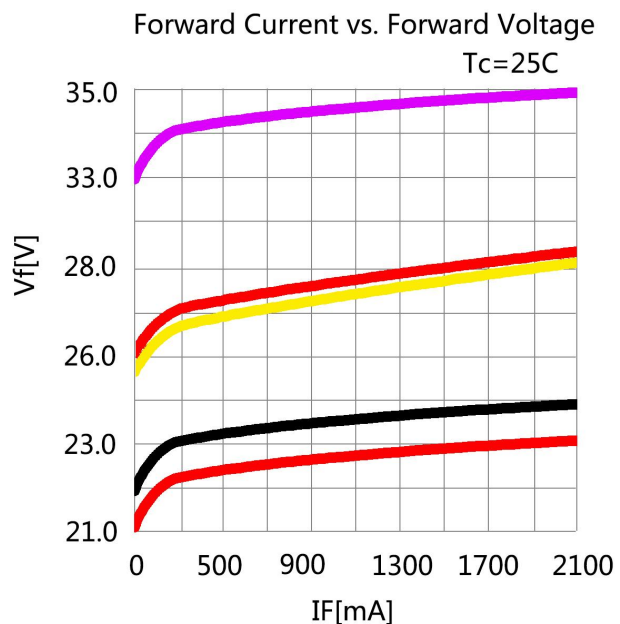
参数	符号	颜色	最小值	平均值	最大值	单元	测试条件
Forward Voltage	VF	IR	22	23	24	V	IF=1050mA
		R660/V	21/33	22/34	23/35	V	IF=1050mA
		Y/R620	26	27	28	V	IF=2100mA
Luminous Flux	Φ	R660/V	700/160		800/180	Lm	IF=1050mA
		Y/R620	1900/34		2100/3600	Lm	IF=2100mA
Luminous power	PO	IR	10000		12000	mW	IF=1050mA
Dominant Wavelength	Wld WLP	IR	845	848	850	nm	IF=1050mA
		R660	660	663	665	nm	IF=1050mA
		V	420	423	425	nm	IF=1050mA
		Y	590	593	595	nm	IF=2100mA
		R	620	623	625	nm	IF=2100mA
Reverse Current	IR				10	μA	VR=5V
Viewing Angle	2θ1/2				140	deg	IF=1050/2100mA
Recommend Forward Current	IF(rec)	IRRVYR			1050/2100	mA	

Notes:

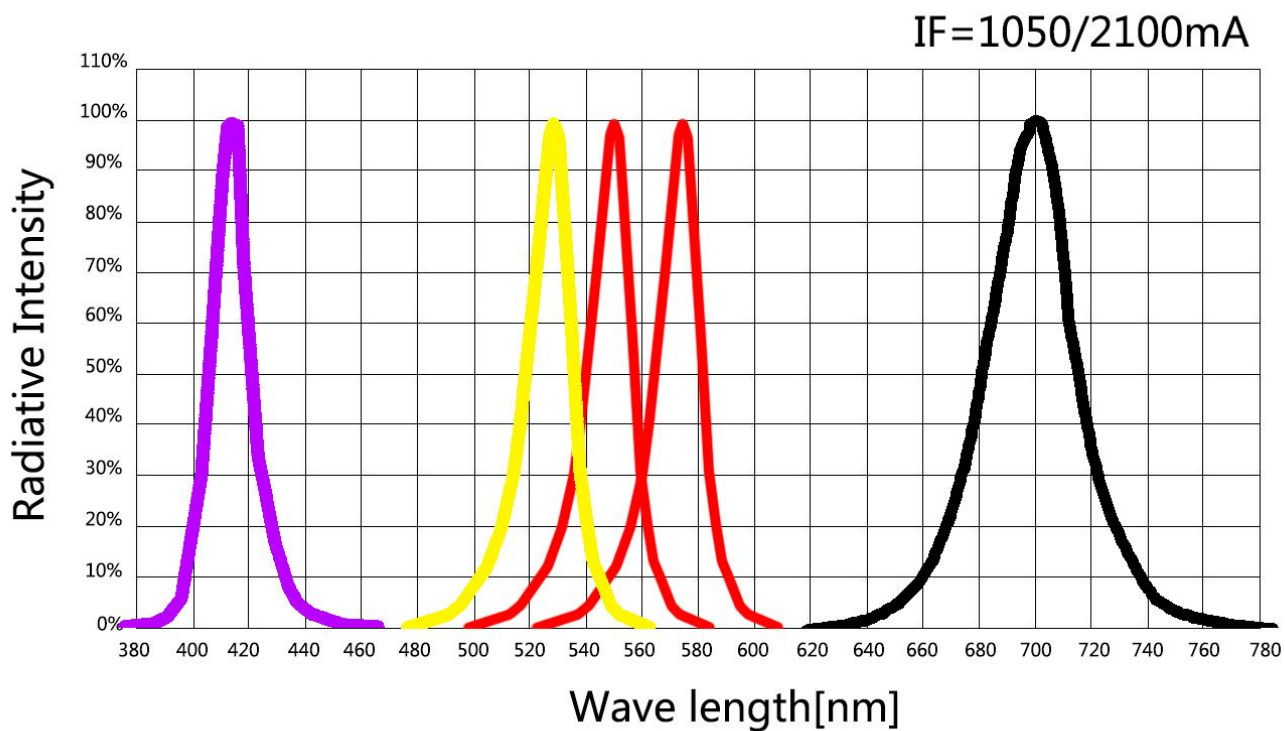
Measurement tolerance of forward voltage±0.1V

5. Optical Character Curves

(25 ° Ambient Temperature Unless Otherwise Noted)



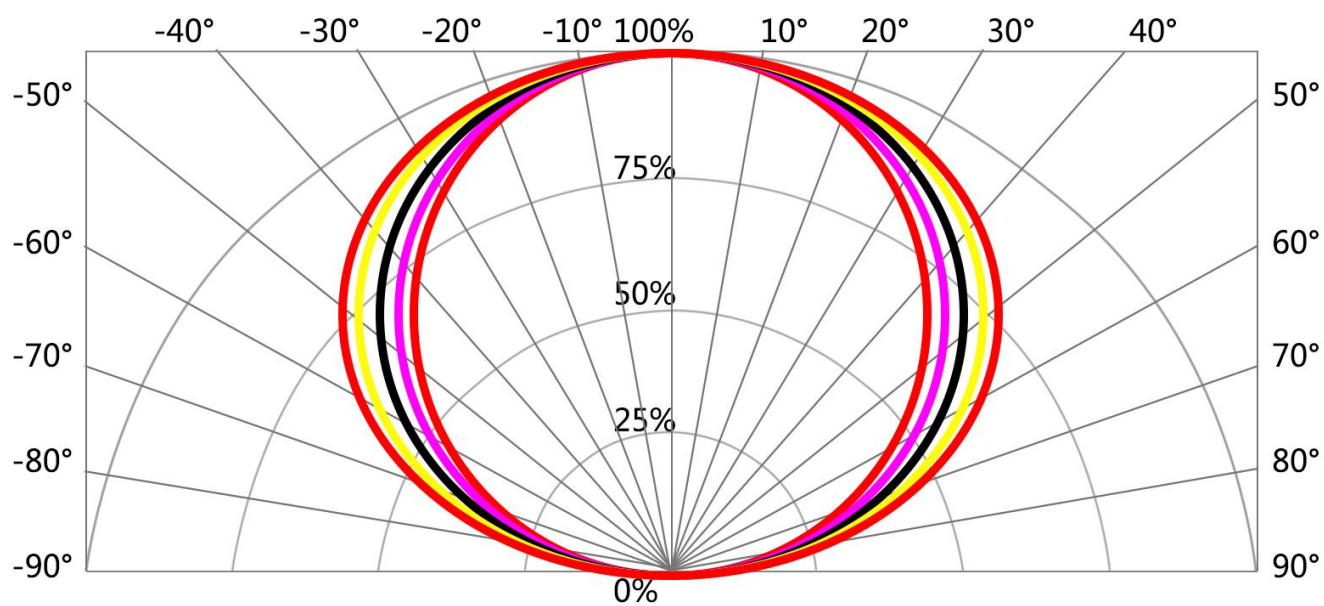
6. Spectrum Curves



7. Viewing Angle Curves

Radiation Characteristic

IF=1050/2100mA



8.Cautions

1. Electrostatic Treatment

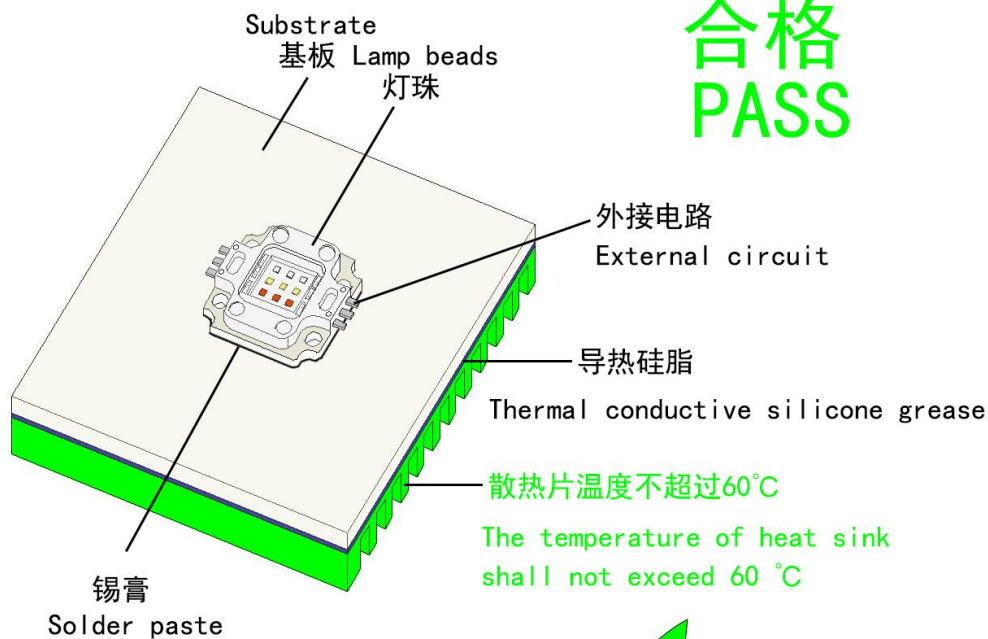
Do a full range of anti-static measures (such as: anti-static ring, anti-static clothes, machine, equipment grounding wire, etc.)



2. Heat Dissipation

A、 It is recommend to configure reasonable heat dissipation device for the product.

B、 The best working temperature range of the product is 40-60°. It is recommended to control the working temperature of the product within a reasonable range.



合格
PASS

OK

