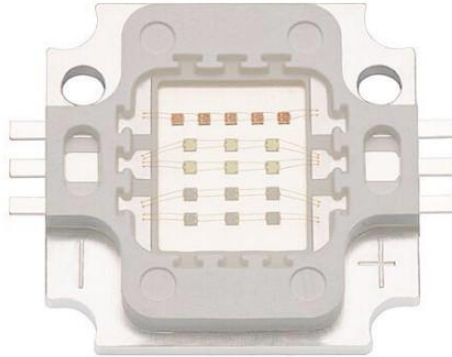


PRODUCT SPECIFICATION



Part No. : JH-17RGB14G30-R1C
High Power LED

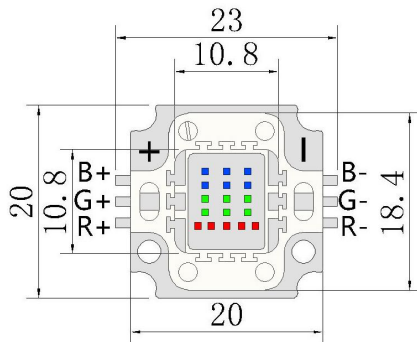
Catalog

1.Product Features	P2
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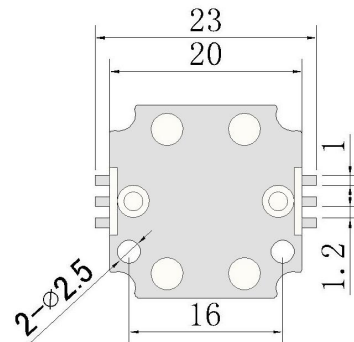
1.Product Features

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

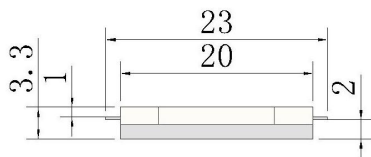
2.Dimensions



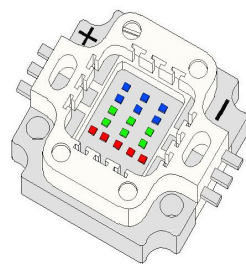
Top view



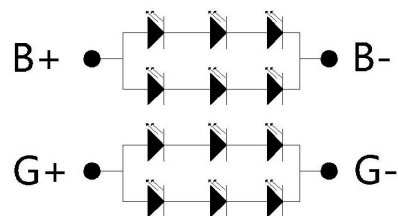
Bottom view



Side view



Perspective view



(Anode+) (Cathode-)
Circuit diagram

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	350/700	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFp	700	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	17	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	260°C	

4. Optical Character @ Ta=25° C

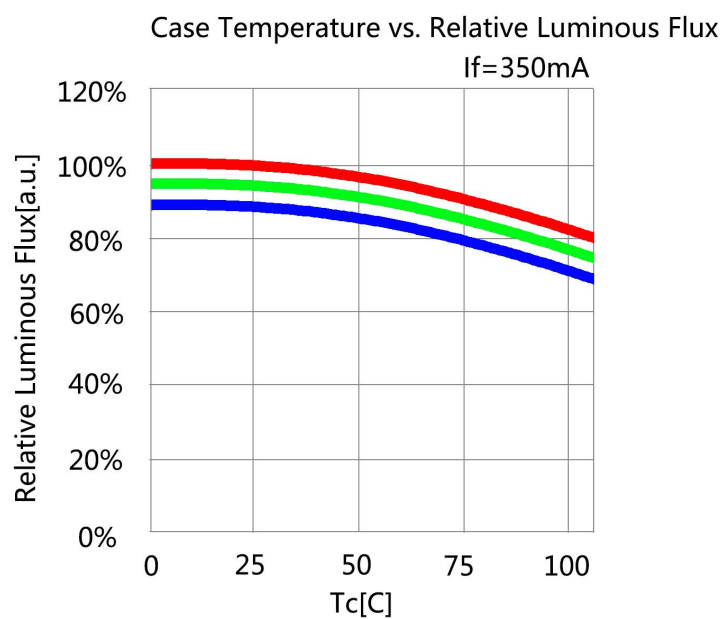
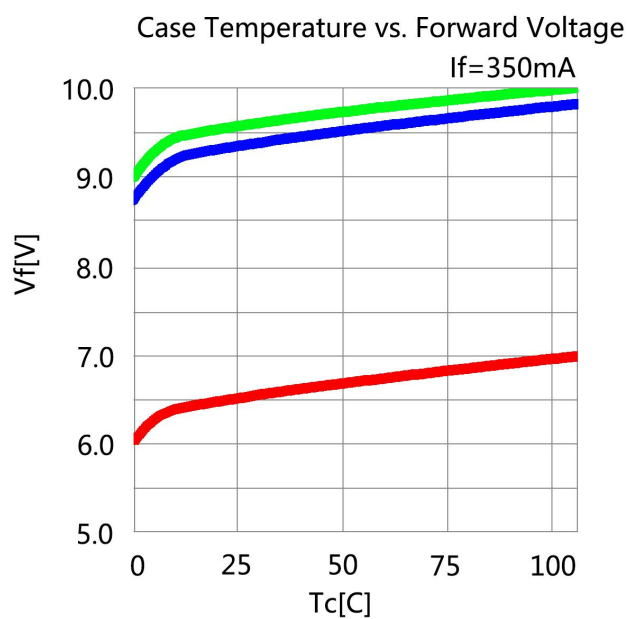
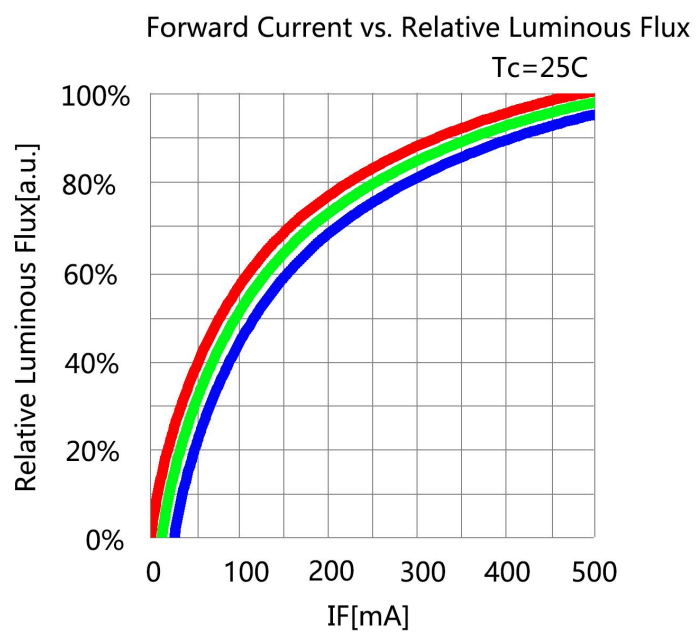
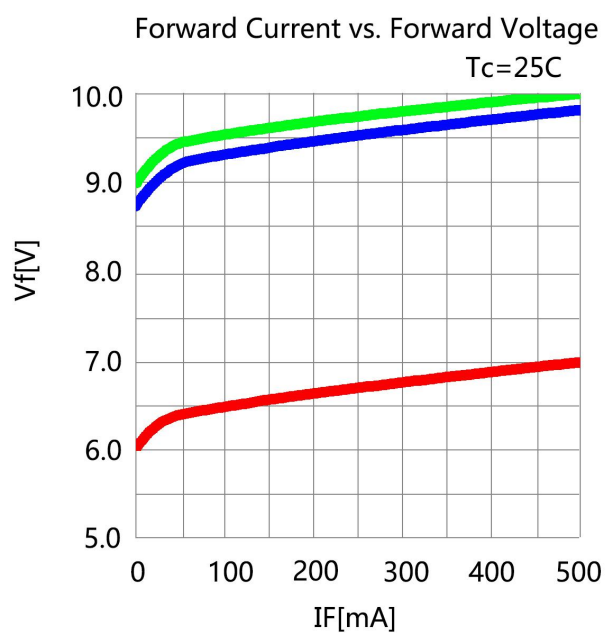
参数	符号	颜色	最小值	平均值	最大值	单元	测试条件
Forward Voltage	VF	R	10	11	12	V	IF=350mA
		G	9	10	11	V	IF=700mA
		B	9	10	11	V	IF=700mA
Luminous Flux	Φ	R	150	160	170	Lm	IF=350mA
		G	300	310	320	Lm	IF=700mA
		B	90	100	110	Lm	IF=700mA
Dominant Wavelength	Wld	R	620	623	625	nm	IF=350mA
		G	520	523	525	nm	IF=700mA
		B	460	462	465	nm	IF=700mA
Reverse Current	IR				10	μA	VR=5V
Viewing Angle	2θ1/2			120	140	deg	IF=350/700mA
Recommend Forward Current	IF(rec)	RGB			350/700	mA	

Notes:

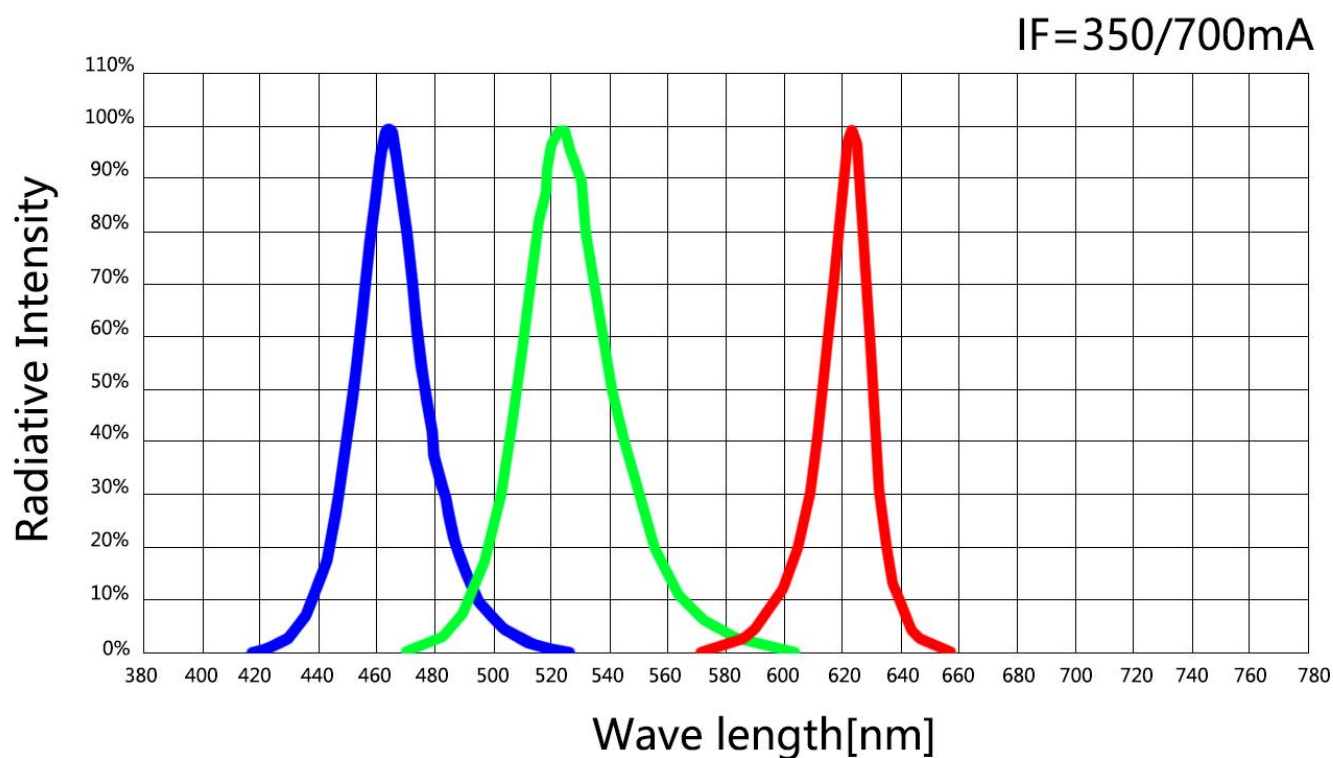
Measurement tolerance of forward voltage ±0.1V

5. Optical Character Curves

(25 ° Ambient Temperature Unless Otherwise Noted)



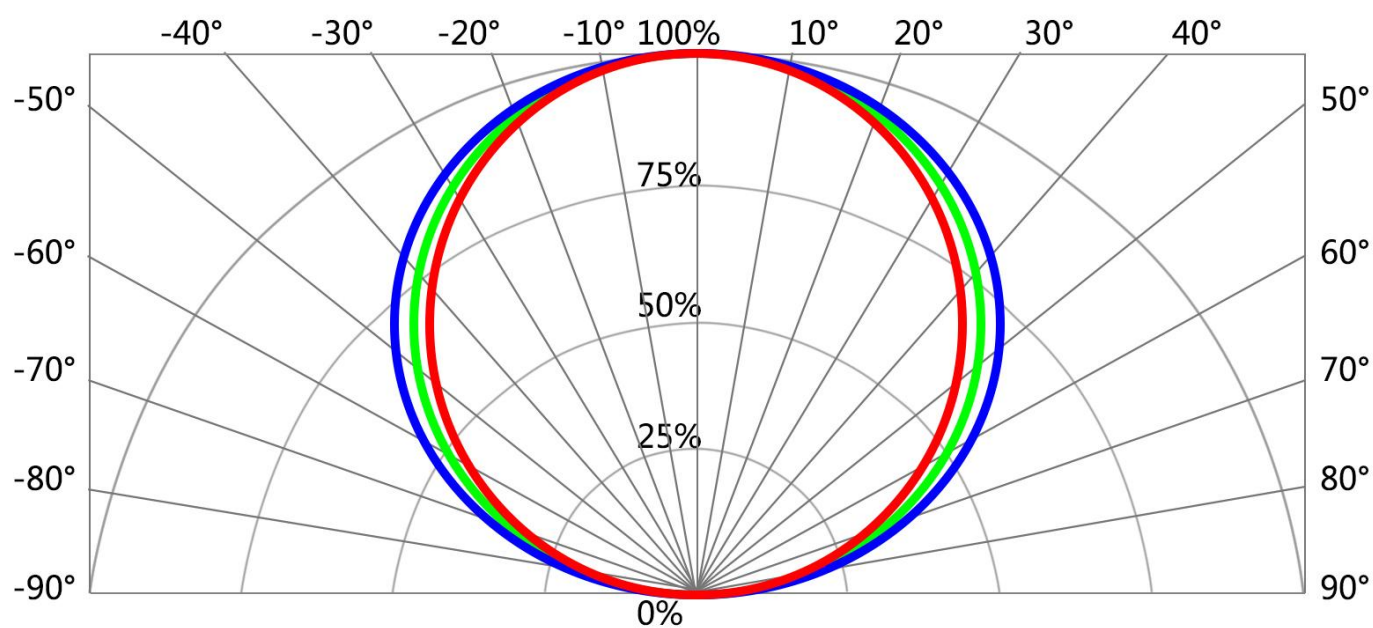
6. Spectrum Curves



7. Viewing Angle Curves

Radiation Characteristic

IF=350/700mA



8.Cautions

1. Electrostatic Treatment

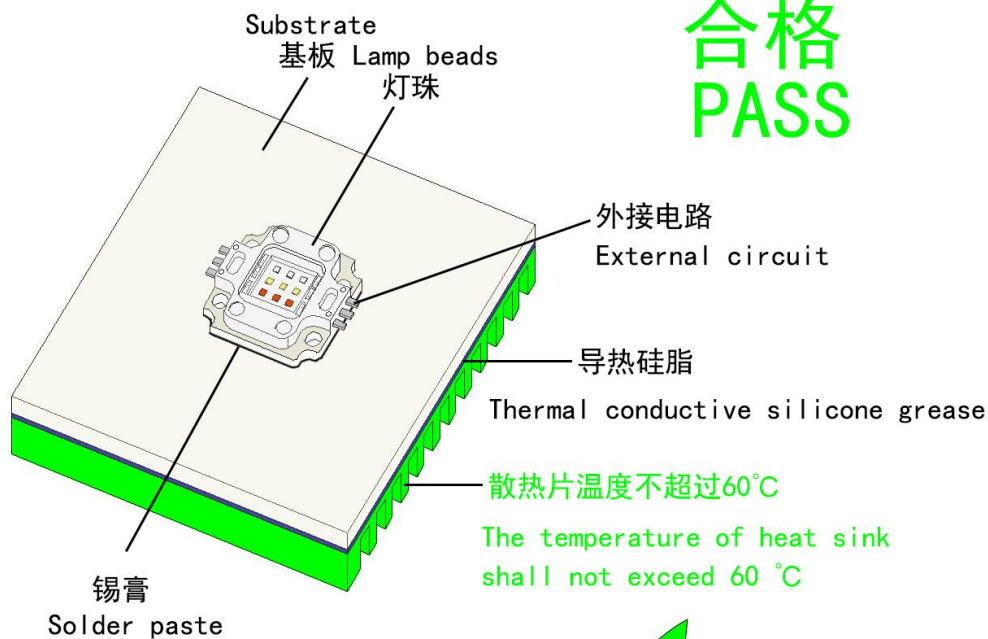
Do a full range of anti-static measures (such as: anti-static ring, anti-static clothes, machine, equipment grounding wire, etc.)



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

