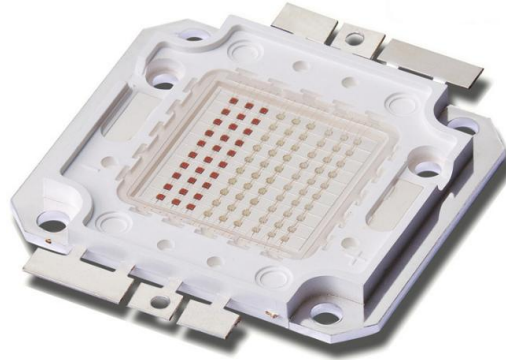


PRODUCT SPECIFICATION



Part No. : JH-90RGB14J30-Z3C
High Power LED

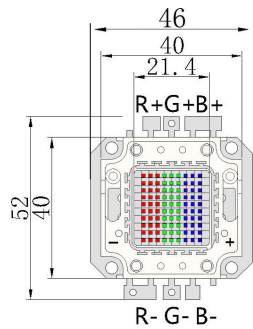
Catalog

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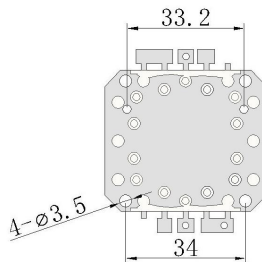
1.Product Features

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

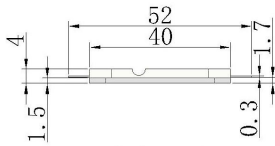
2.Dimensions



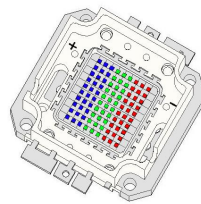
Top view



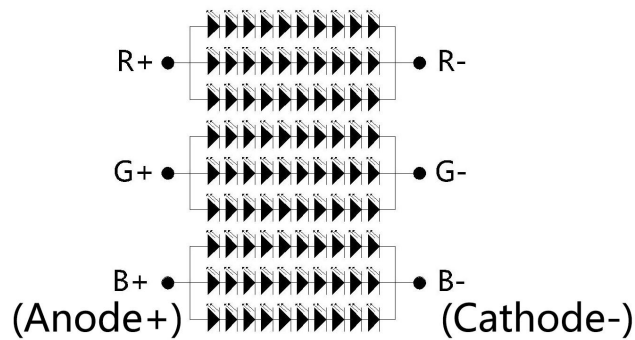
Bottom view



Side view



Perspective view



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	1050	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFp	1200	mA
Reverse Voltage	VR	32	V
Power Dissipation	PD	90	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

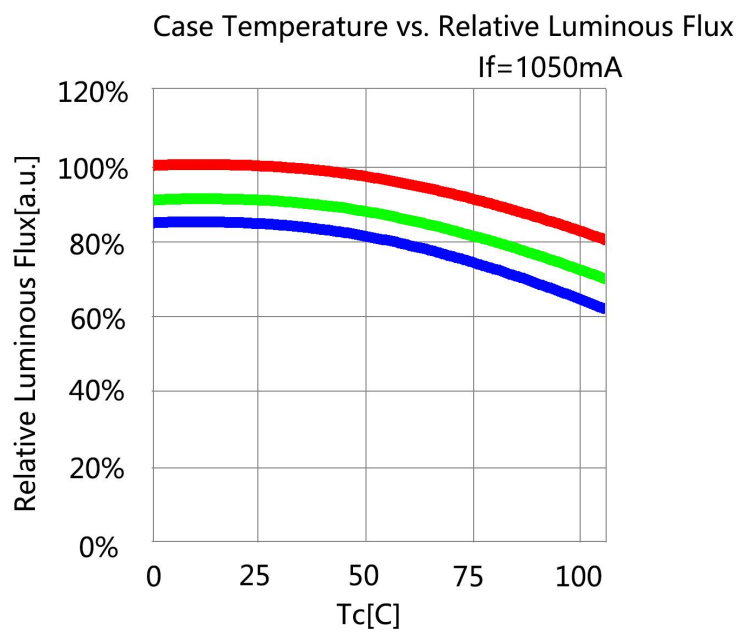
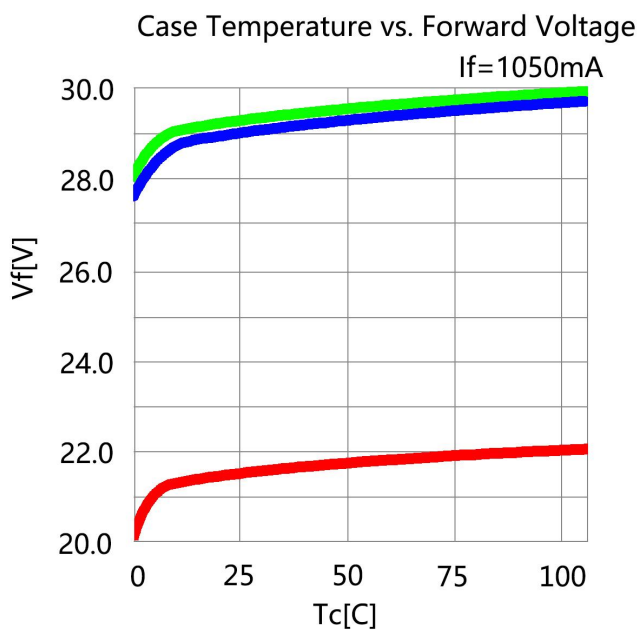
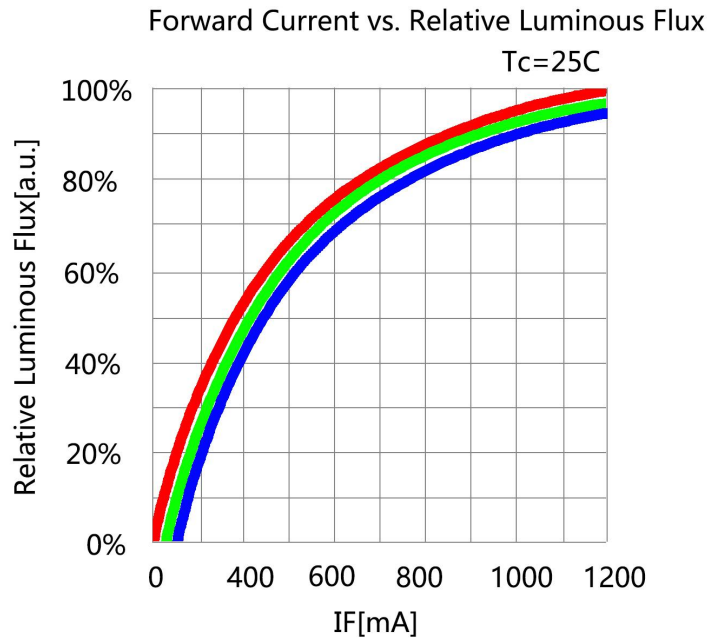
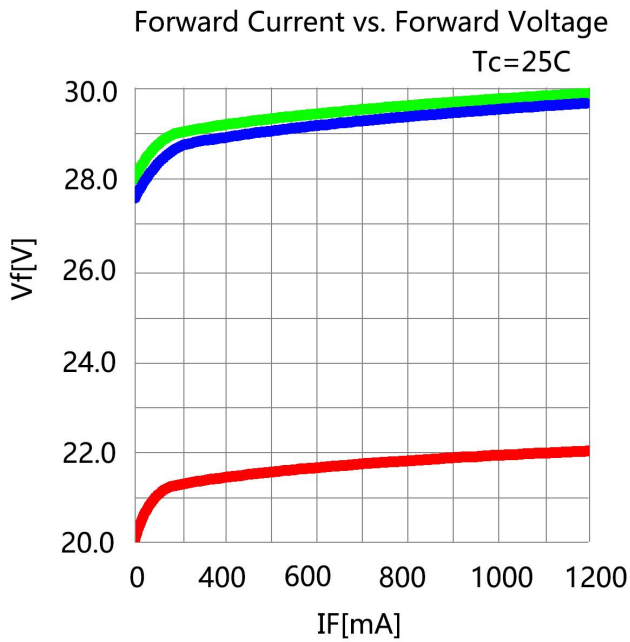
Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	VF	R	20	21	22	V	IF=1050mA
		G	28	29	30	V	IF=1050mA
		B	28	29	30	V	IF=1050mA
Luminous Flux	Φ	R	900	1200	1500	Lm	IF=1050mA
		G	1800	2100	2400	Lm	IF=1050mA
		B	450	600	750	Lm	IF=1050mA
Dominant Wavelength	Wld	R	620	623	625	nm	IF=1050mA
		G	520	523	525	nm	IF=1050mA
		B	460	462	465	nm	IF=1050mA
Reverse Current	IR				10	μA	VR=32V
Viewing Angle	2θ1/2				140	deg	IF=1050mA
Recommend Forward Current	IF(rec)	RGB			1050	mA	

Notes:

Measurement tolerance of forward voltage ±0.1V

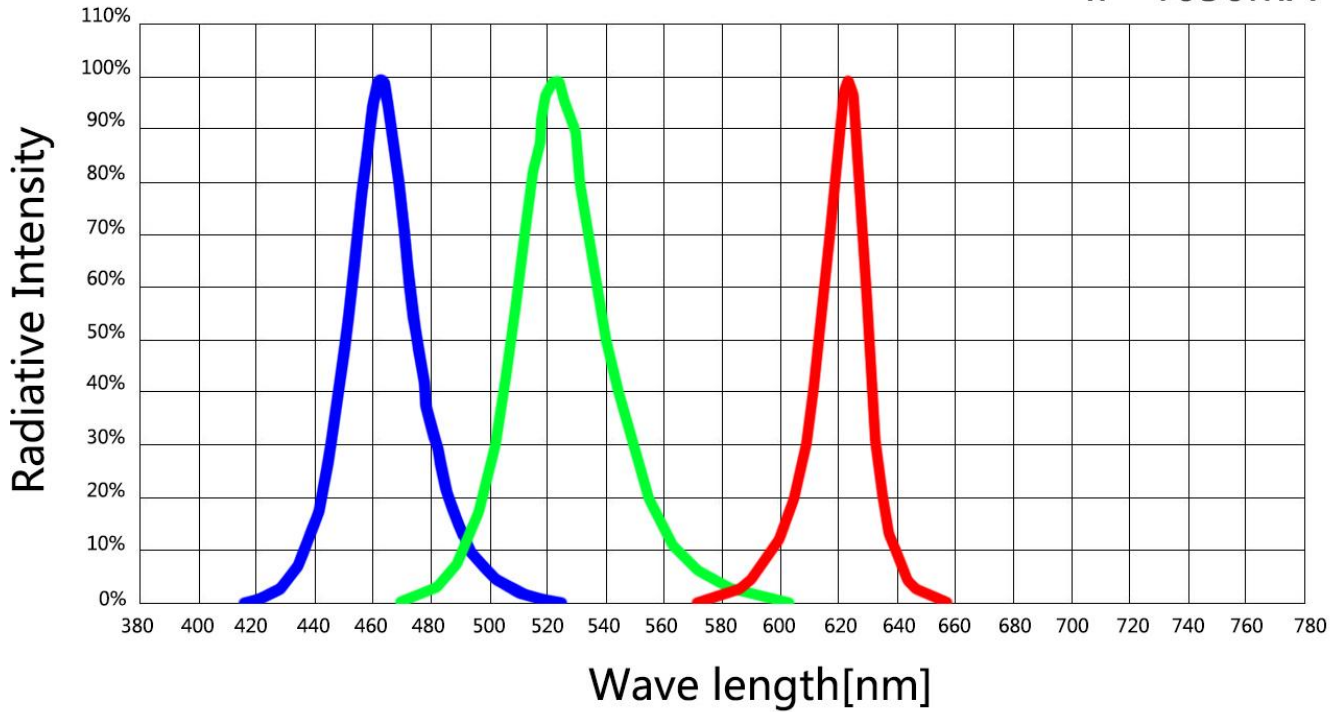
5. Optical Character Curves

(25 ° Ambient Temperature Unless Otherwise Noted)



6. Spectrum Curves

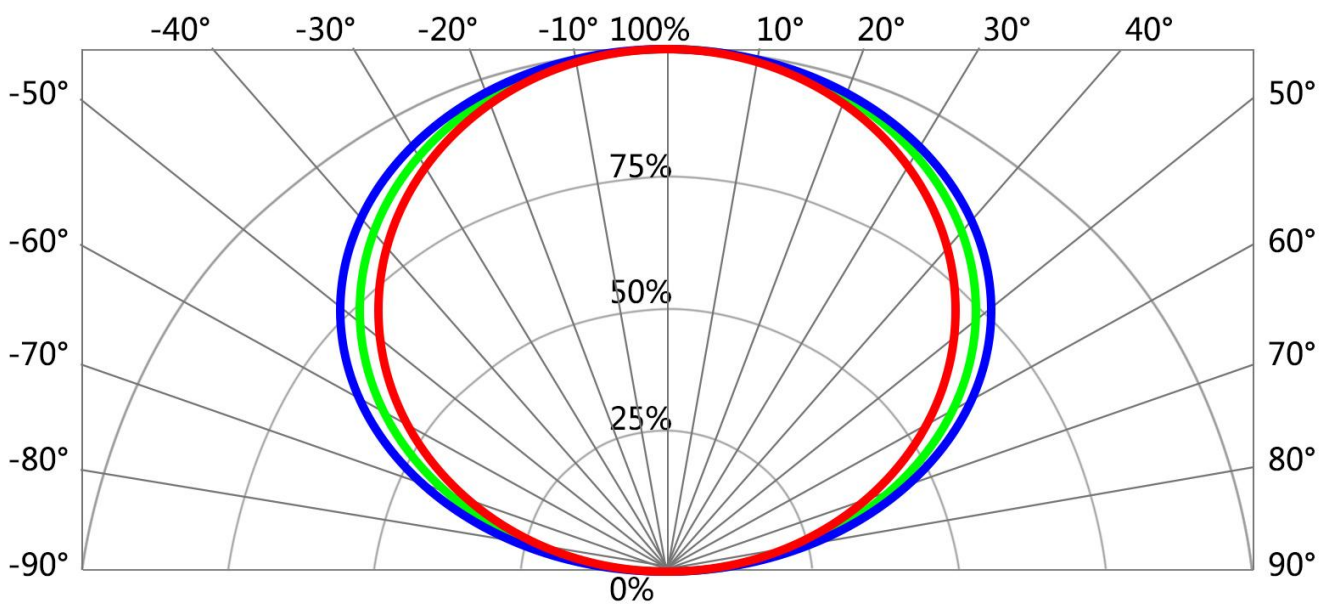
IF=1050mA



7. Viewing Angle Curves

Radiation Characteristic

IF=1050mA



8.Cautions

1. Electrostatic Treatment

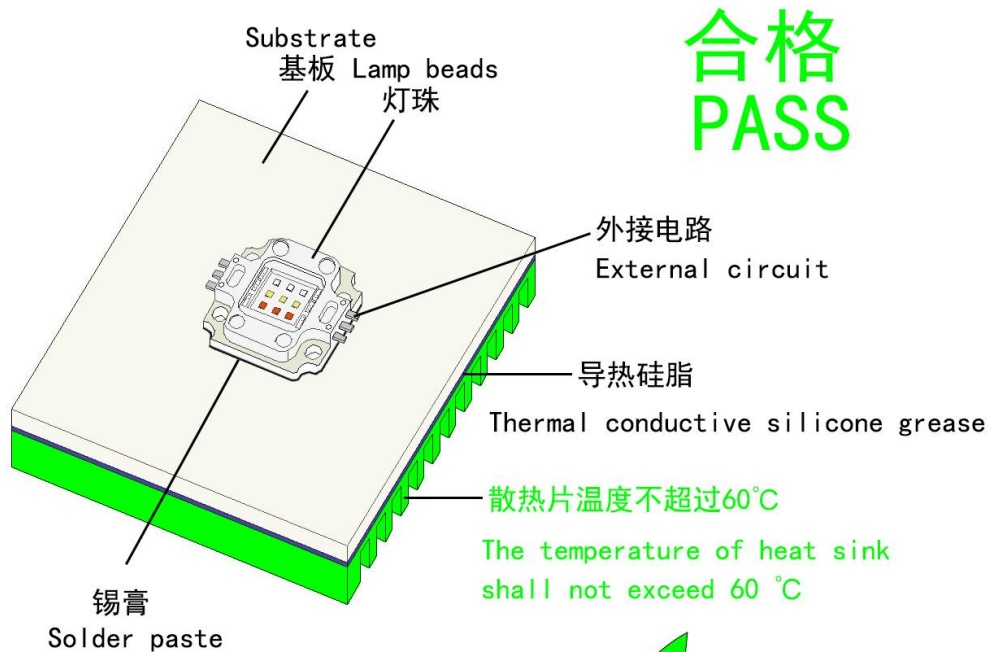
Do a full range of anti-static measures (such as: anti-static ring, anti-static clothes, machine, equipment grounding wire, etc.)



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

