PRODUCT SPECIFICATION

Part No. : JH-30R14G30-J1C
High Power LED
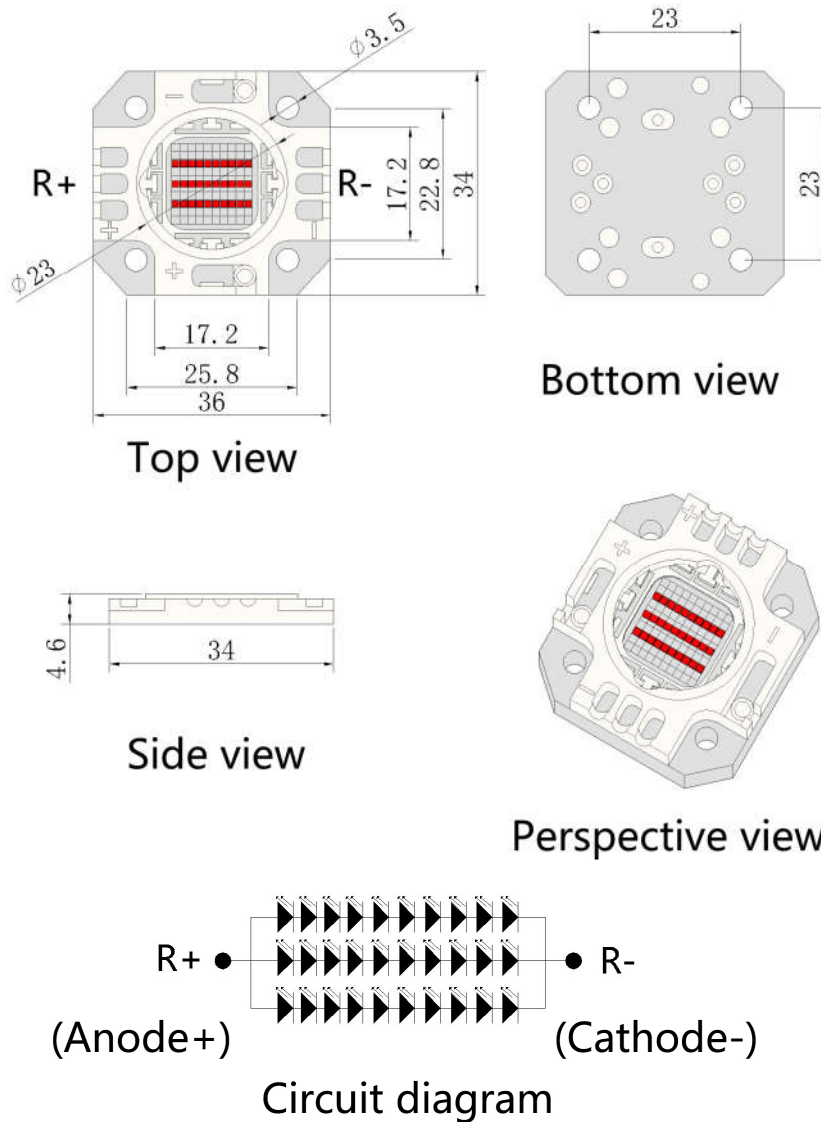
Catalog

1.Product Features

- High Brightness Red 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

R+ (Anode+)   R- (Cathode-)

Notes:

1. All dimensions are in millimeters.

2. Tolerance is ±0.1mm unless otherwise noted.

3.Absolute Maximum Rating @ Ta=25°C

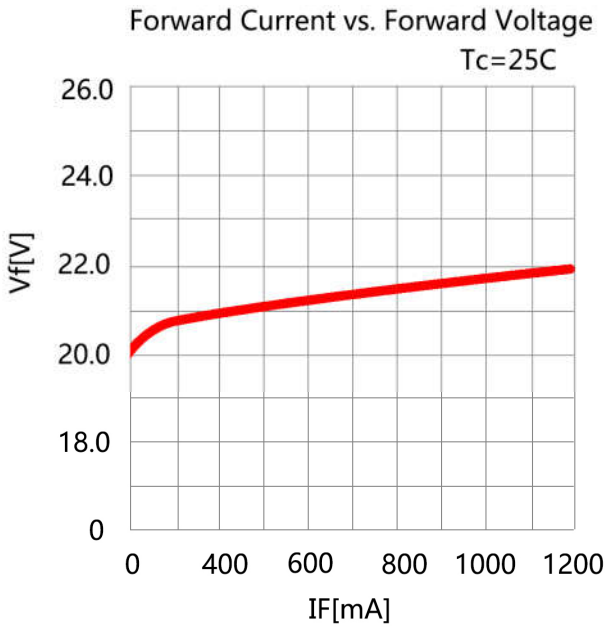| Parameter	Symbol	Maximum Rating	Unit
Continuous Forward Current	IF	1050	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFp	1200	mA
Reverse Voltage	VR	24	V
Power Dissipation	PD	20	W
Electrostatic Discharge	ESD	1000	V
Operating Temperature Range	TOPR	-25°C to +80°C	
Storage Temperature Range	TSTG	-35°C to +100°C	
Lead Soldering Temperature	TSOL	260°C	

4.Optical Character @ Ta=25°C

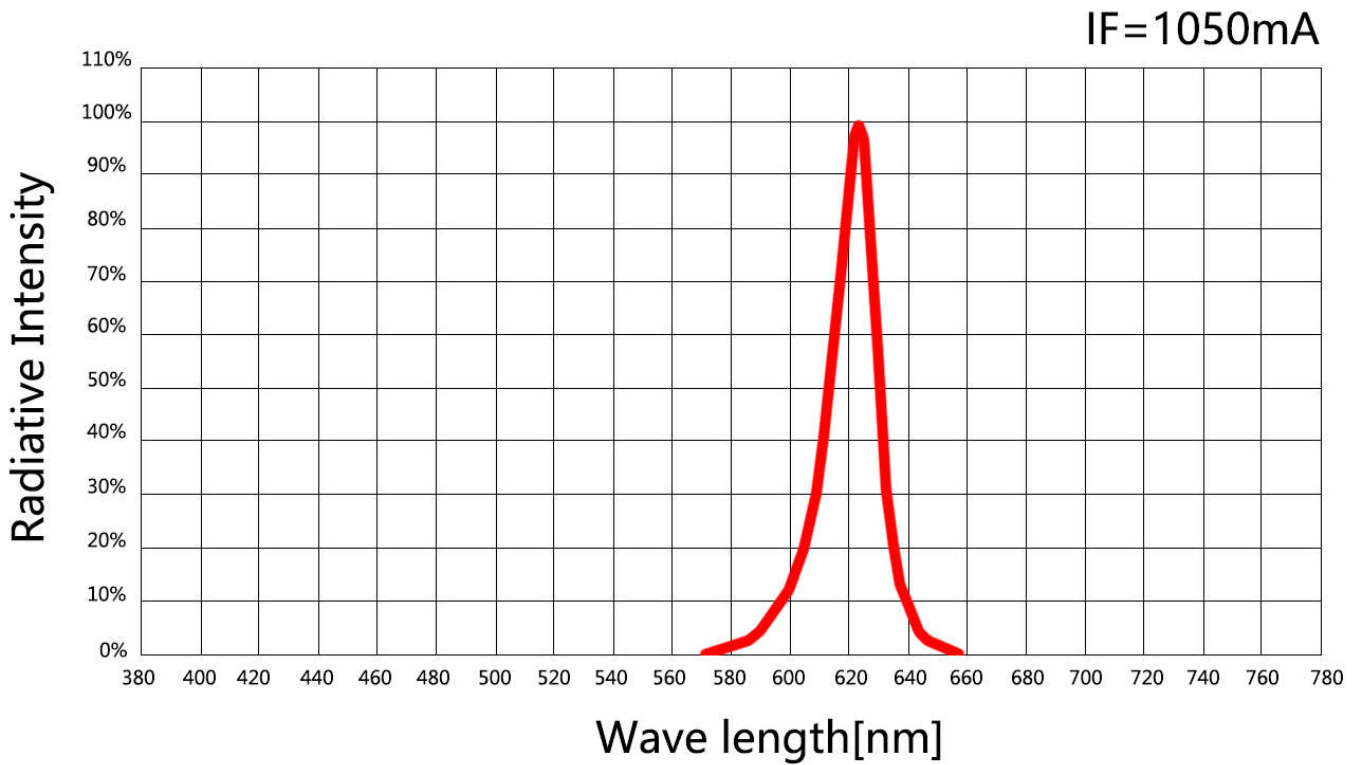| Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	VF	R	20	21	22	V	I_F=1050mA
Luminous Flux	Φ	R	1300	1500	1700	Lm	I_F=1050mA
Dominant Wavelength	Wld	R	620	622.5	625	nm	I_F=1050mA
Reverse Current	IR		0		10	µA	V_R=24V
Viewing Angle	2θ1/2				140	deg	I_F=1050mA
Recommend Forward Current	IF(rec)	R			1050	mA	

Notes:

Measurement tolerance of forward voltage±0.1V

5. Optical Character Curves
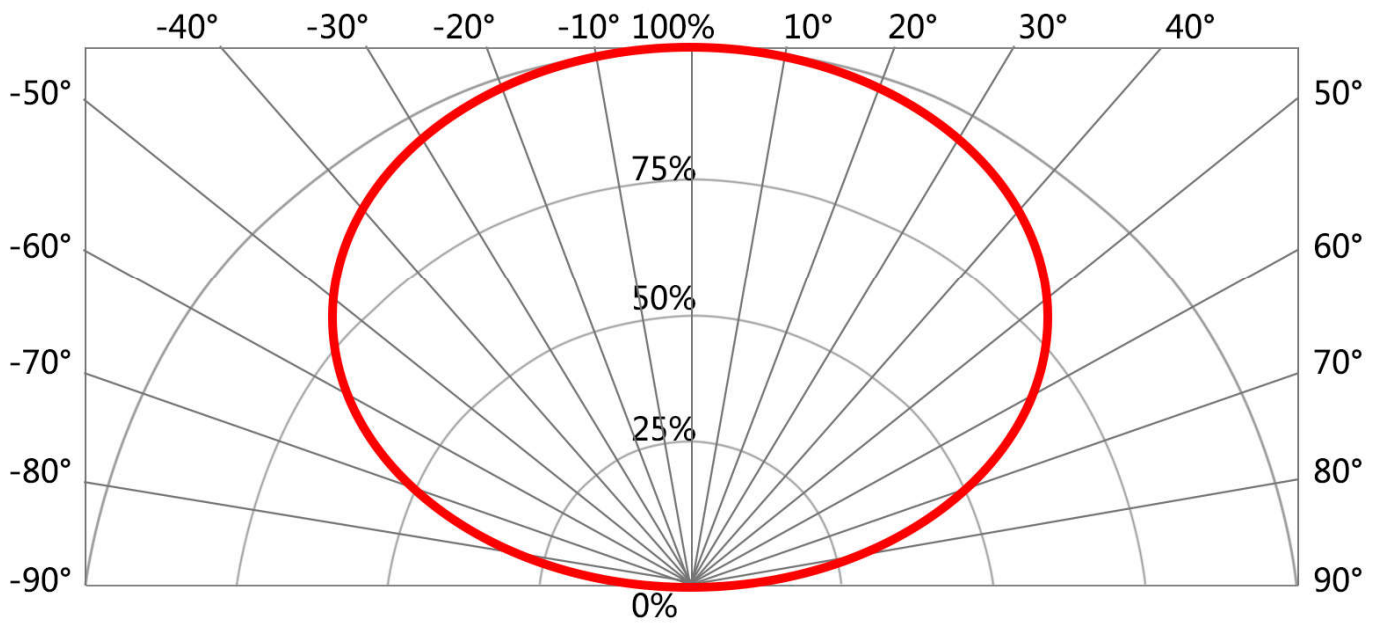
(25 ° Ambient Temperature Unless Otherwise Noted)

Forward Current vs. Forward Voltage
Tc=25C

(Vf[V] vs IF[mA])

Forward Current vs. Relative Luminous Flux
Tc=25C

(Relative Luminous Flux[a.u.] vs IF[mA])

Case Temperature vs. Forward Voltage
If=1050mA

(Vf[V] vs Tc[C])

Case Temperature vs. Relative Luminous Flux
If=1050mA

(Relative Luminous Flux[a.u.] vs Tc[C])
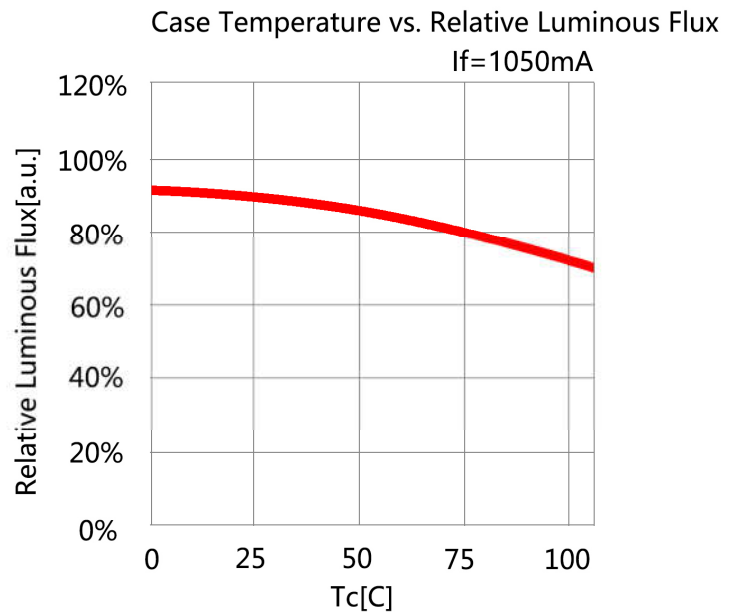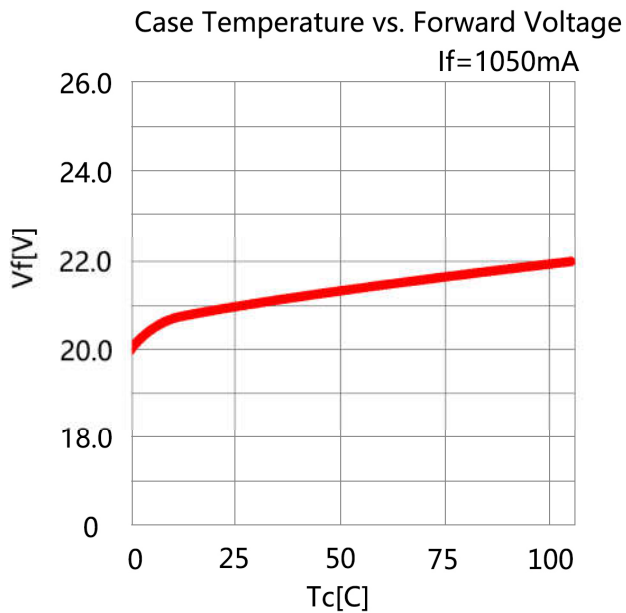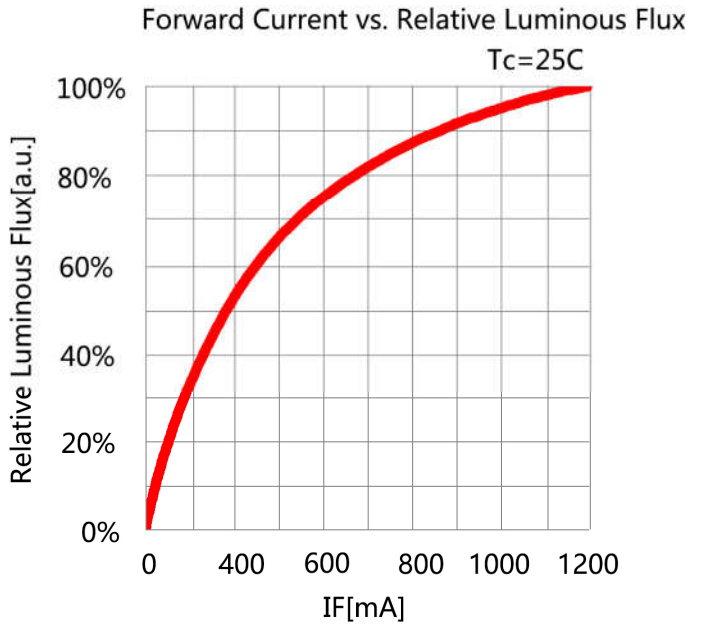
6. Spectrum Curves

IF=1050mA

7. Viewing Angle Curves

Radiation Characteristic   IF=1050mA
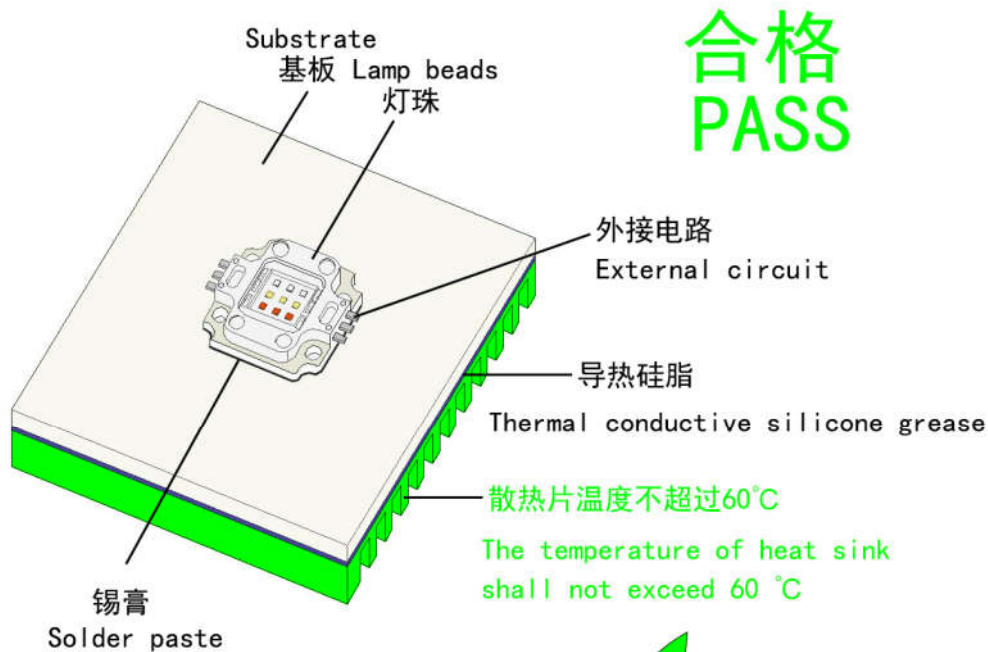
8.Cautions

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.