

PRODUCT SPECIFICATION



Part No. : JH-20ZRIRVZY14G20-TJB-P415-855
High Power LED

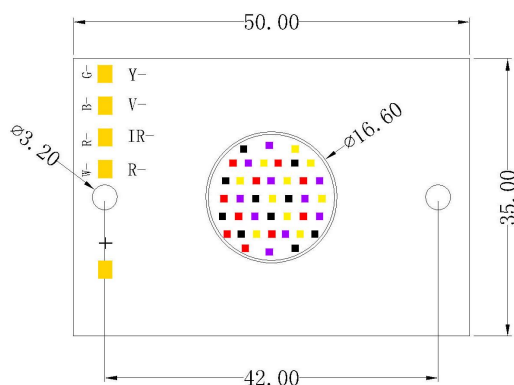
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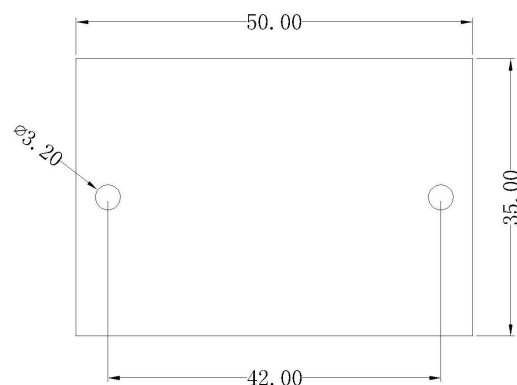
1.Product Features

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

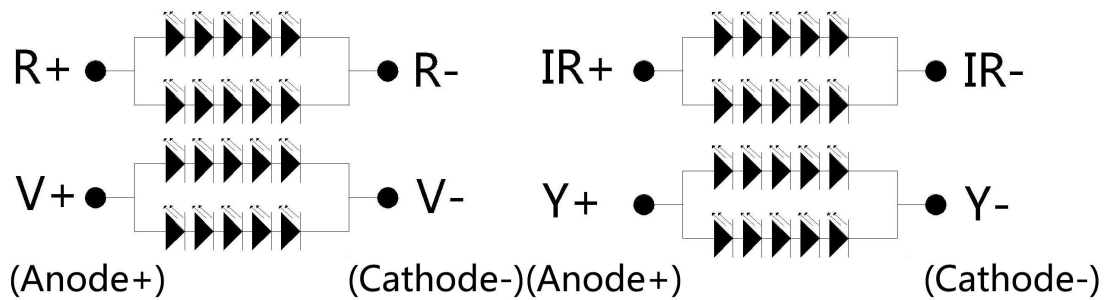
2.Dimensions



Top view



Bottom 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	300	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFp	500	mA
Reverse Voltage	VR	5	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	350°C	

4./Optical Character @ Ta=25° C

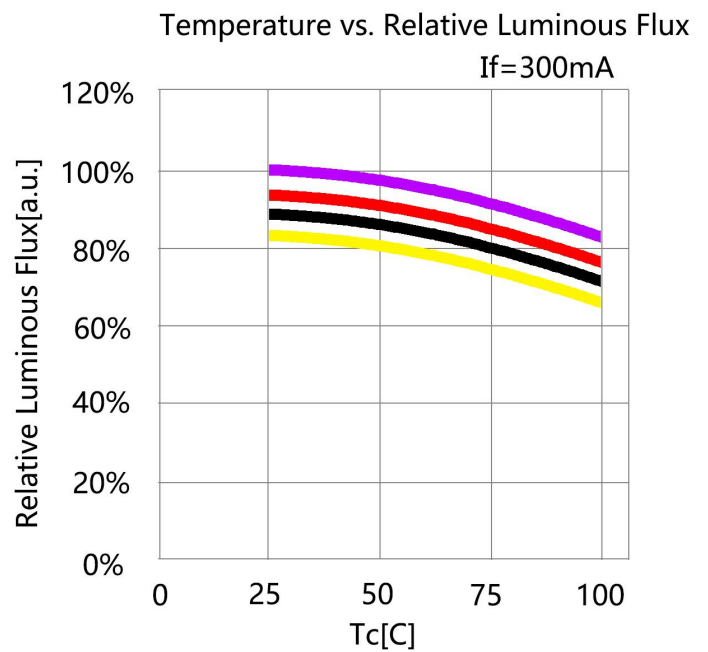
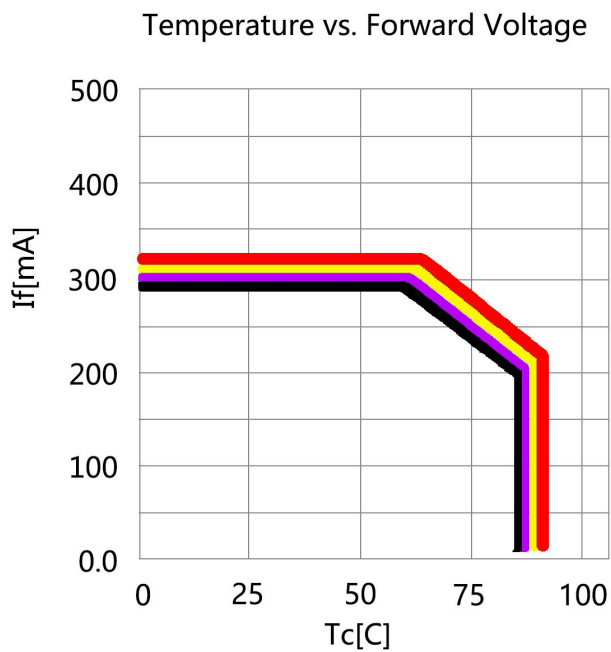
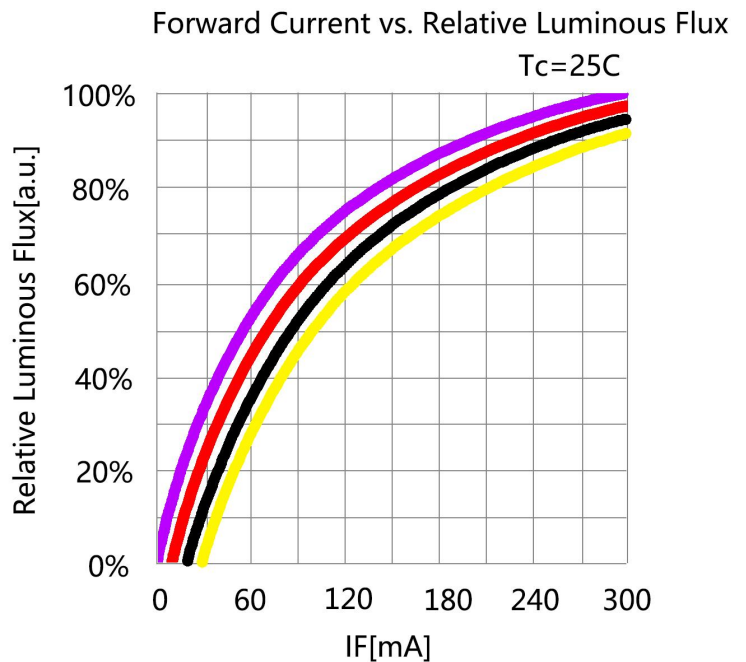
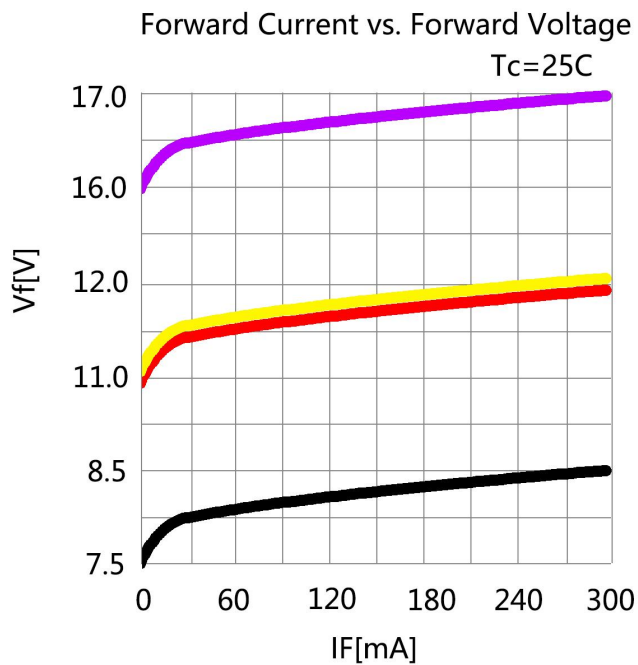
Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	VF	V	16		17	V	IF=300mA
		IR	7.5		8.5	V	IF=300mA
		R/Y	11		12	V	IF=300mA
Luminous flux	Φ	V	30	35	40	Lm	IF=300mA
		R/Y	230/17	240/180	250/190	Lm	IF=300mA
Luminous power	PO	IR	800	900	1000	mW	IF=300mA
Wavelength	Wld	R	620	623	625	nm	IF=300mA
	Wlp	IR	850	853	855	nm	IF=300mA
	Wlp	V	415	418	420	nm	IF=300mA
	Wld	Y	590	593	595	nm	IF=300mA
Reverse Current	IR				10	μA	VR=5V
Viewing Angle	2θ1/2				60	deg	IF=300mA
Recommend Forward Current	IF(rec)	RIRVY			300	mA	

Notes:

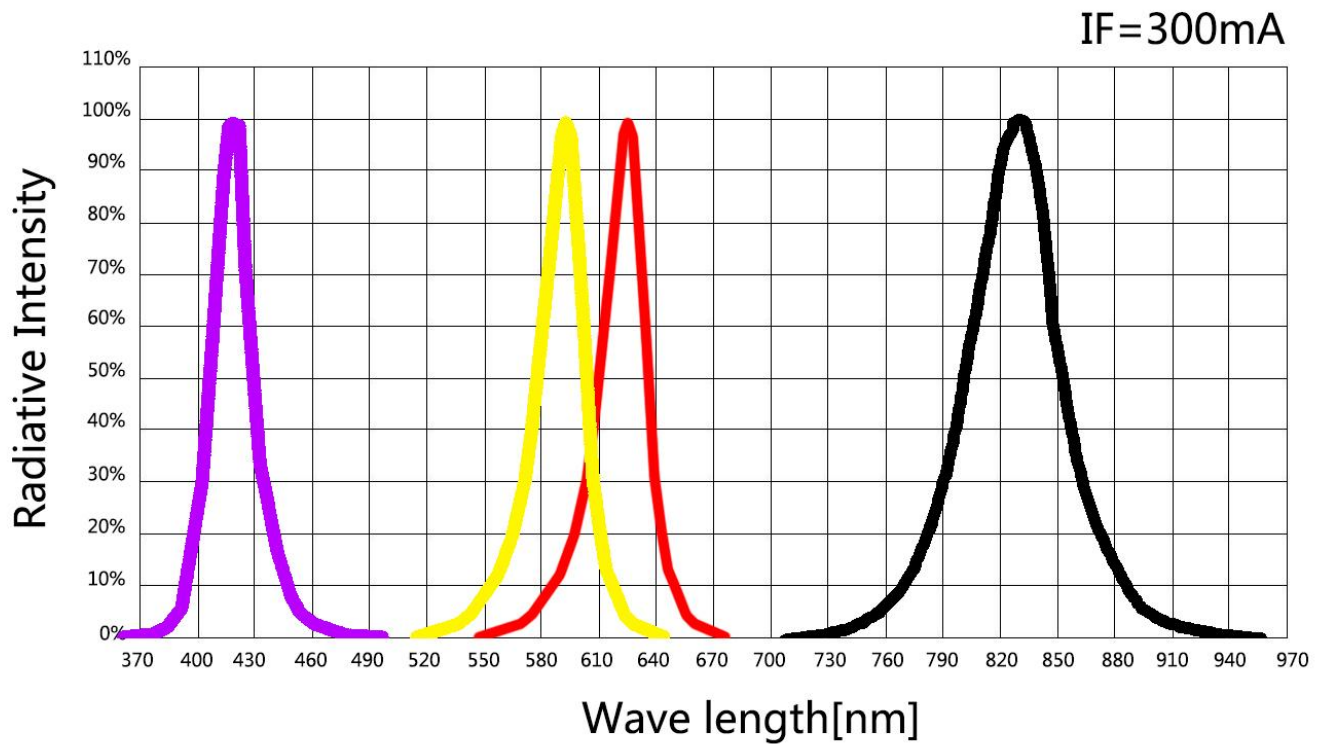
Measurement tolerance of forward voltage±0.1V

5. Optical Character Curves

(25 ° Ambient Temperature Unless Otherwise Noted)



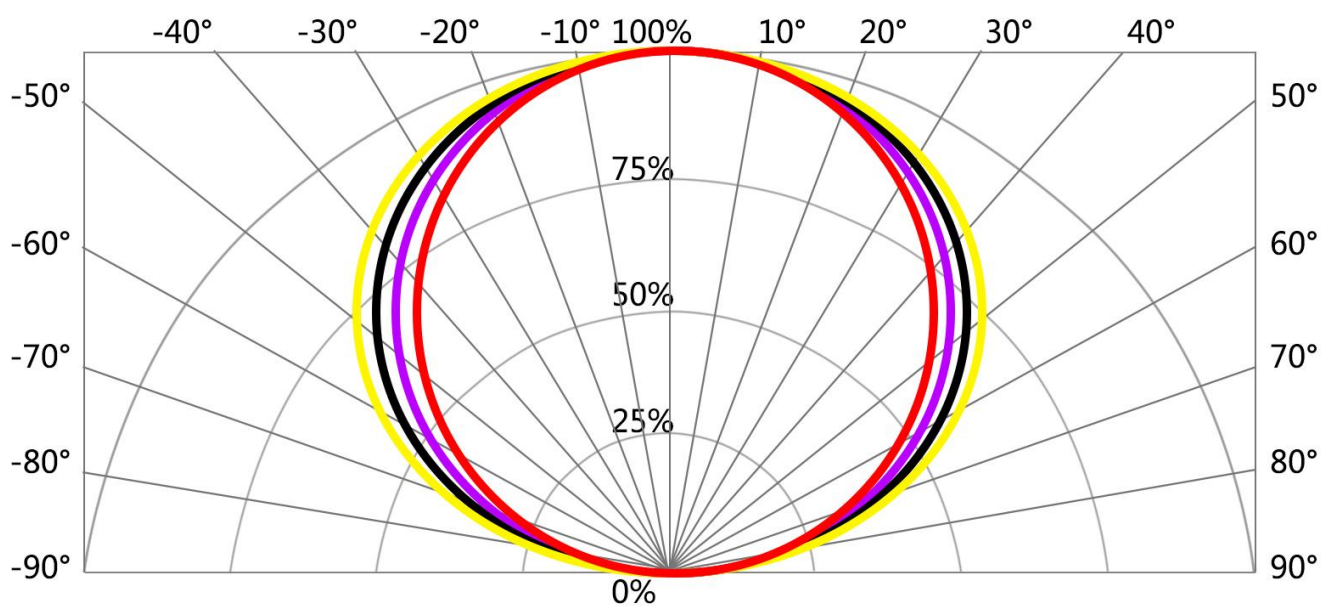
6. Spectrum Curves



7. Viewing Angle Curves

Radiation Characteristic

IF=300mA



8.Cautions

1. Electrostatic Treatment

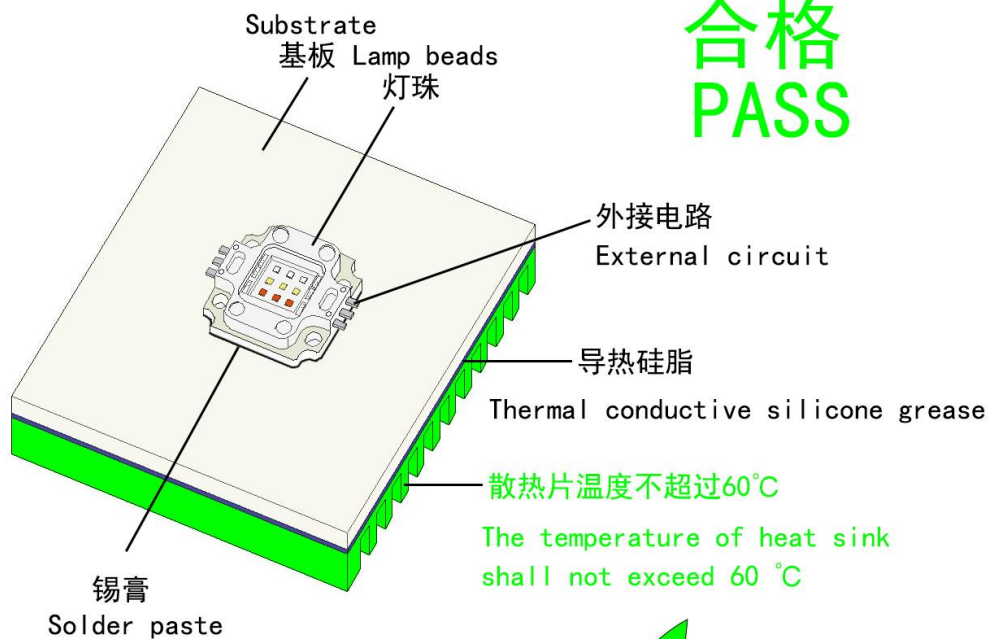
Do a full range of anti-static measures (such as: anti-static ring, anti-static clothes, machine, equipment grounding wire, etc.)



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

