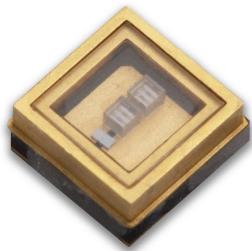


PRODUCT SPECIFICATION



Part No. : JH-3535V18ZZ20-T8A-FJZ310
High Power LED

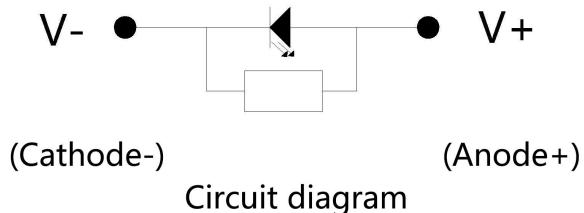
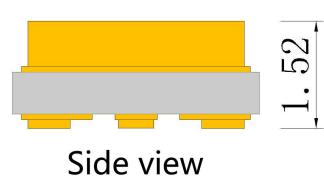
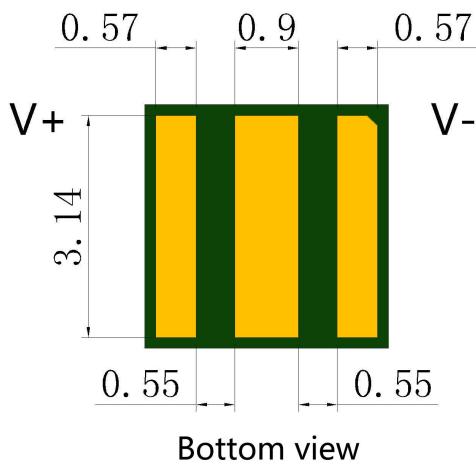
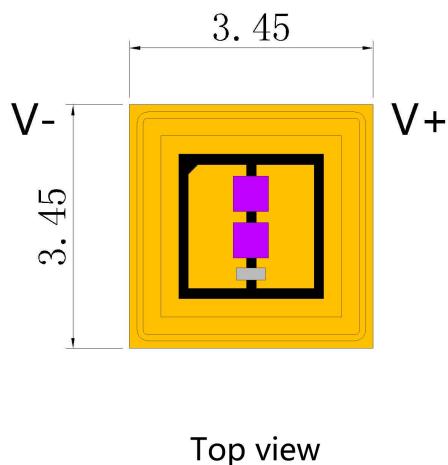
Catalog

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1. Product Features

- High Brightness Violet LED
- Plane Package
- Viewing Angle 140 Degree
- Chip Material: 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	200	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFp	250	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	1	W
Electrostatic Discharge	ESD	4000	V
Operating Temperature Range	TOPR	-25°C to +60°C	
Storage Temperature Range	TSTG	-35°C to +100°C	
Lead Soldering Temperature	TSOL	170°C	

4. Optical Character @ Ta=25° C

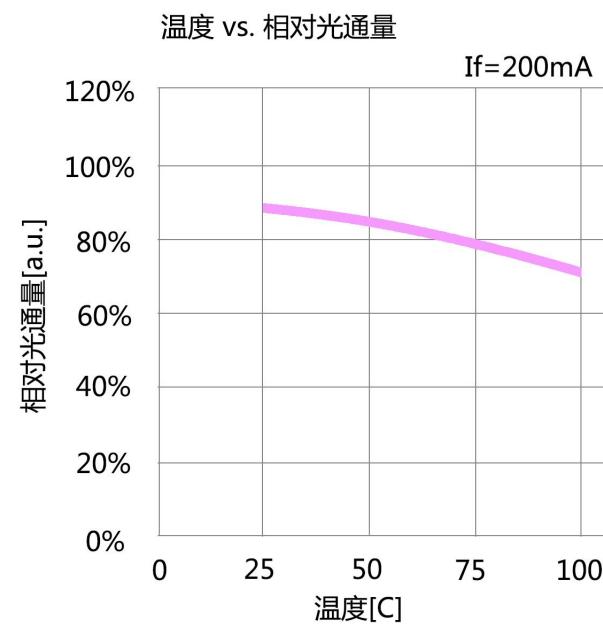
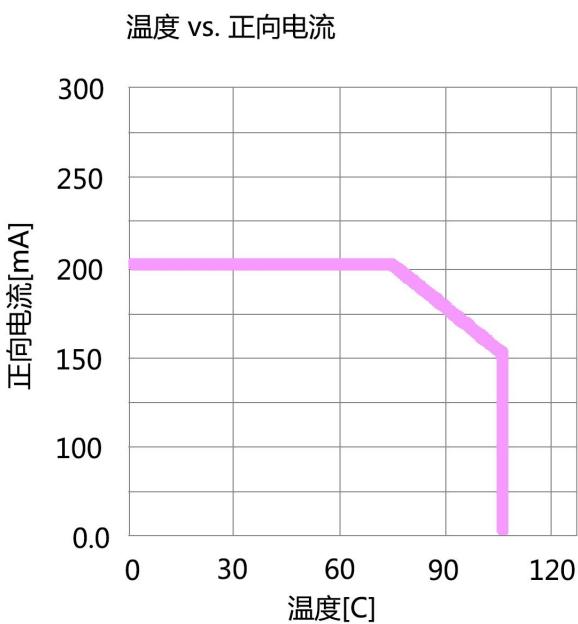
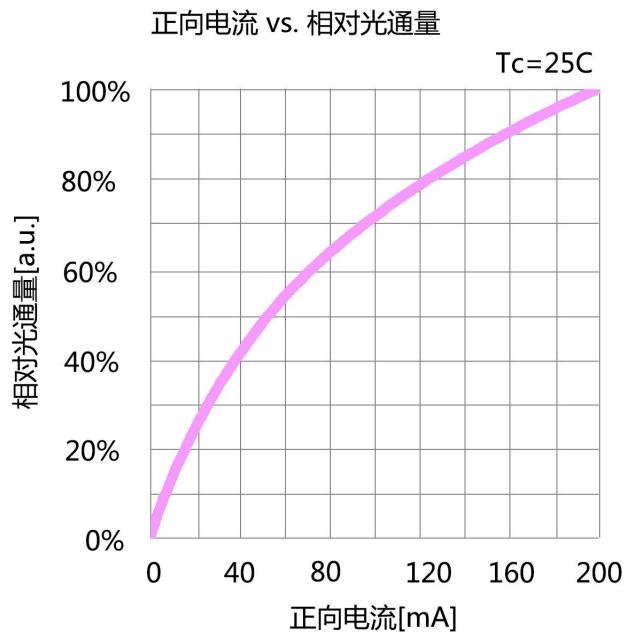
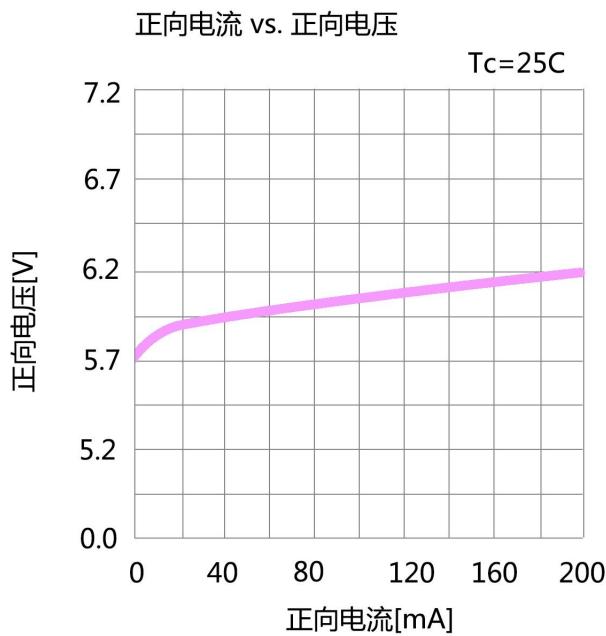
Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	VF	V	5.7		6.2	V	IF=200mA
Wavelength	Wlp	V	305	308	310	nm	IF=200mA
power dissipation	PO	V	20	25	30	mW	IF=200mA
Reverse Current	IR		0		1	µA	VR=8V
Viewing Angle	2θ1/2				140	deg	IF=200mA
Recommend Forward Current	IF(rec)	V			200	mA	

Notes:

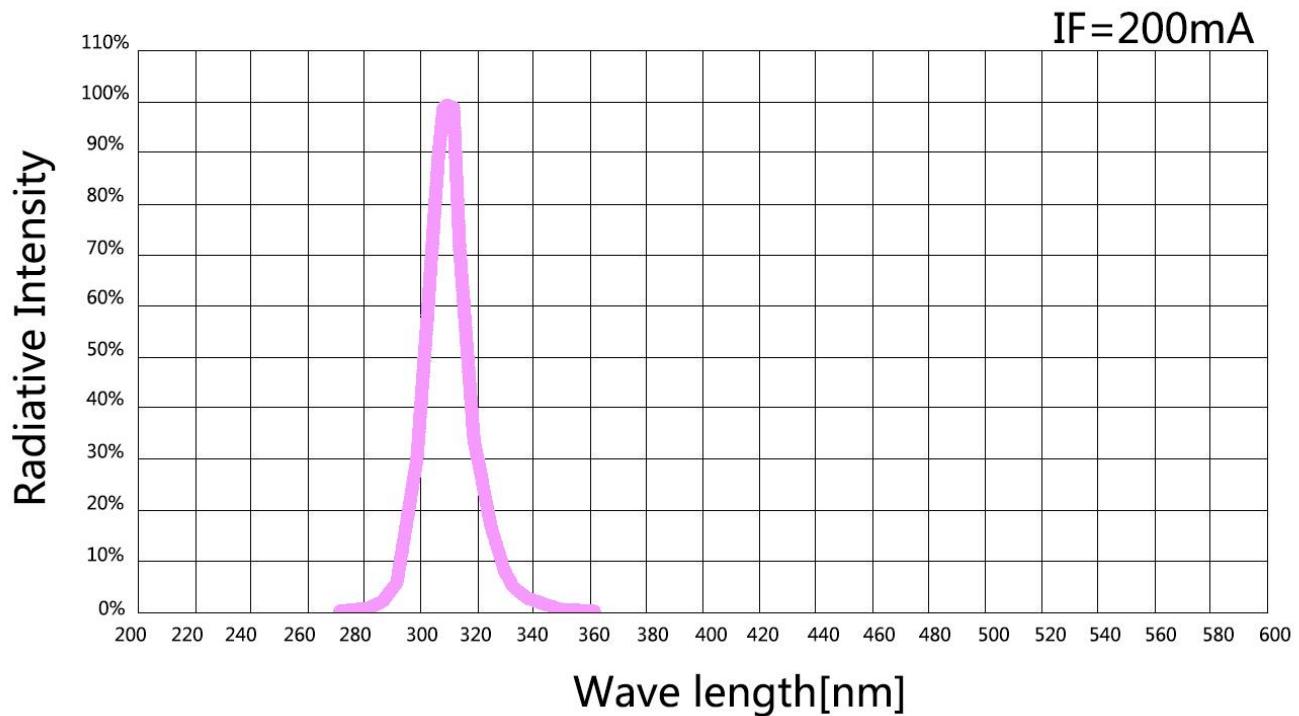
Measurement tolerance of forward voltage $\pm 0.1V$

5. Optical Character Curves

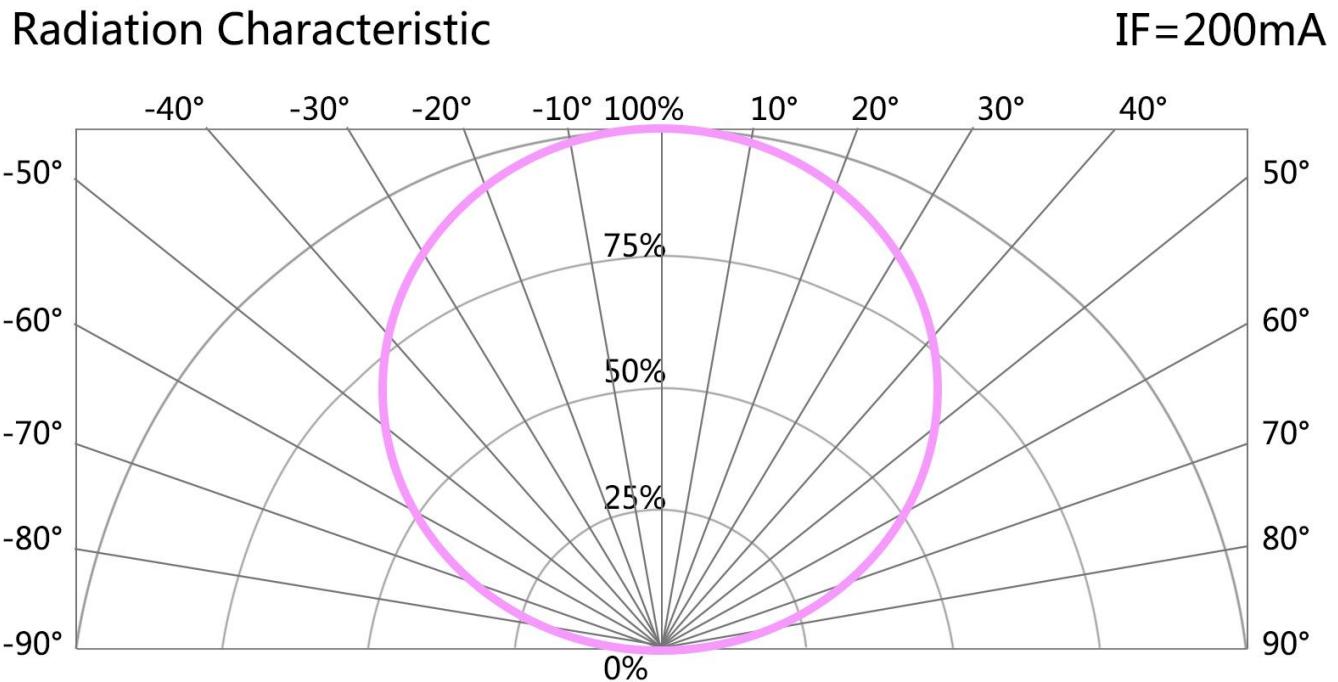
(25 ° Ambient Temperature Unless Otherwise Noted)



6. Spectrum Curves

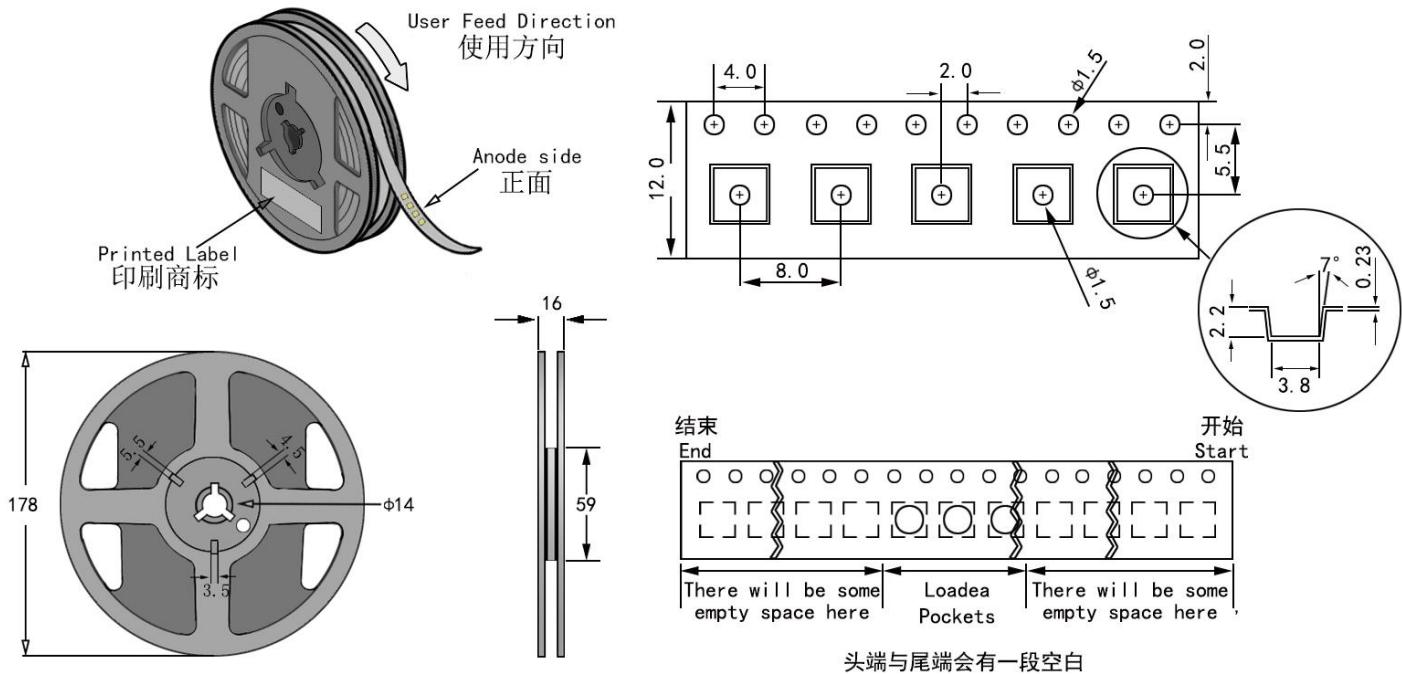


7. Viewing Angle Curves



8.Tape&Reel Packing

1. Recommend unpacked LED beads be welded within one day, if not, please vacuumize again and store in an environment of 20-35°C and 30-60% humidity. If can't vacuumize, please store LED beads in moisture proof box, control at 25°C±3°C, humidity 50-60%. If unpacked above 1 week, bake at 60±5°C for 10-12 hours before weld.



Notes:

1. QTY: 1000pcs/Reel
2. Tolerance ±0.2mm.
3. Package: P/N

9.Cautions

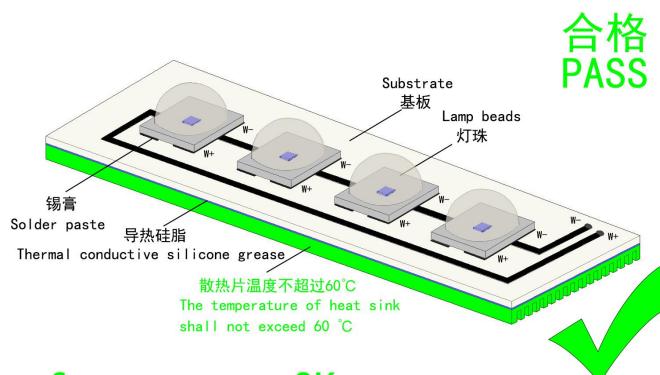
1. Electrostatic Treatment

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.



3. Installation Conditions

reference

OK

- A、Do not exert any pressure on the LED area during the use of the led beads. such as below:

