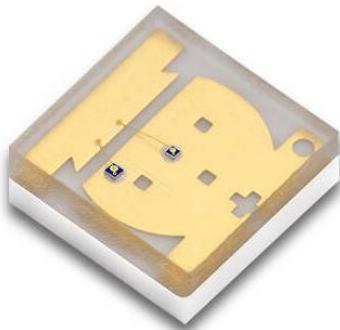


# PRODUCT SPECIFICATION

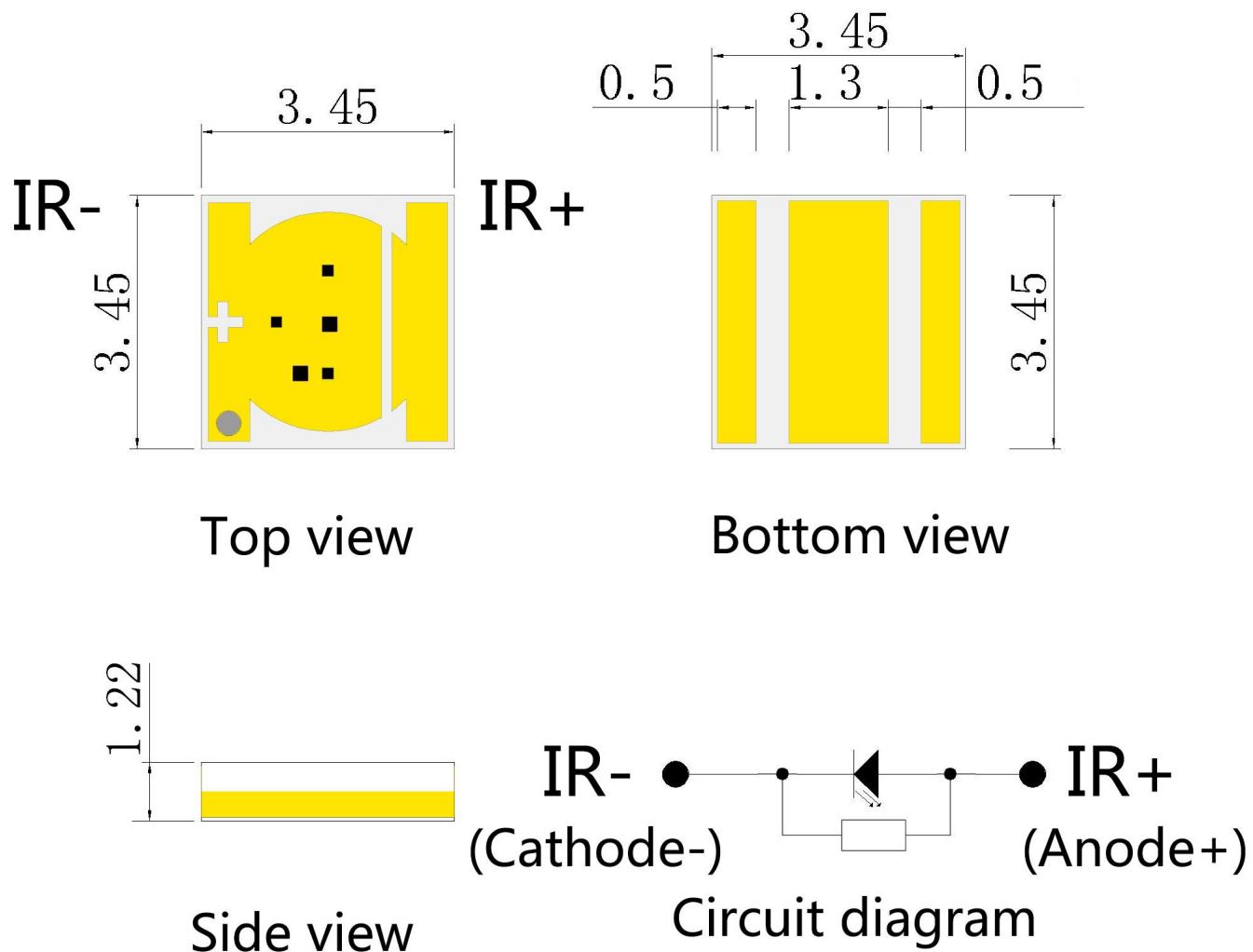


**Part No. : JH-3535IR18DR7-T7A-JLSZ850**  
**High Power LED**

## Catalog

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## 1. Dimensions



### Notes:

1. All dimensions are in millimeters.
2. Tolerance is  $\pm 0.1\text{mm}$  unless otherwise noted.

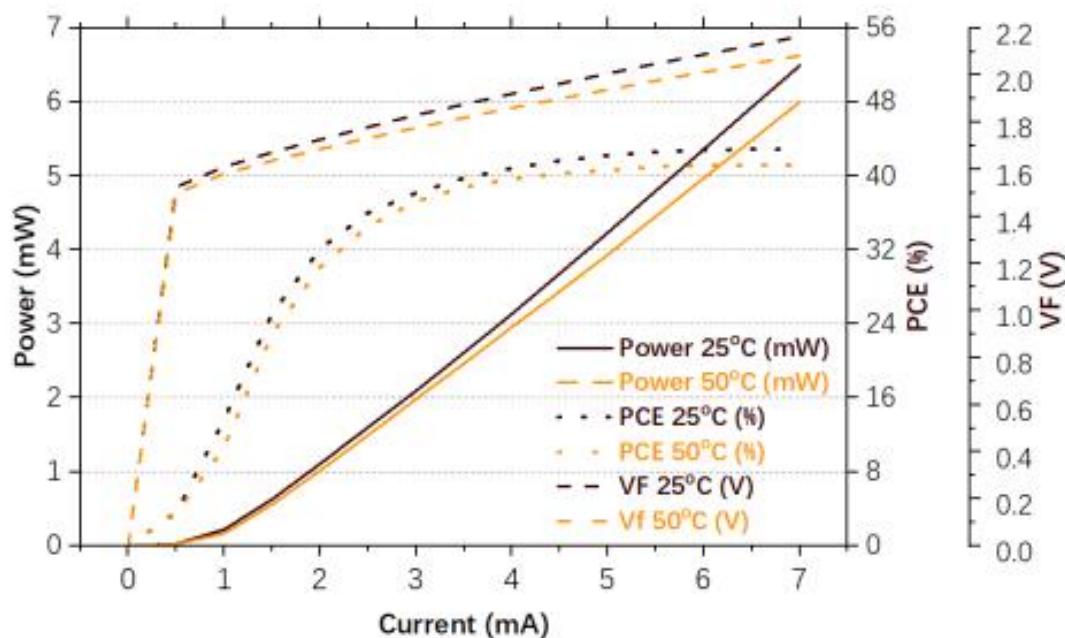
## 2. Electro-optical Characteristics

Parameters	Symbol	Unit	Specification/Rating			Note
			Min.	Typ.	Max.	
Threshold Current	I <sub>th</sub>	mA	0.6	0.9	1.4	
			1.9	2.1	2.3	I <sub>f</sub> =7mA
Forward Voltage	V <sub>f</sub>	V	1.7	1.8	1.9	I <sub>f</sub> =3mA
Differential resistance	R <sub>s</sub>	Ohms	-	75	-	
Slope Efficiency	SE	W/A	0.9	1	-	
			5	6	-	I <sub>f</sub> =7mA
Output Power	L <sub>op</sub>	W	1.8	2	2.4	I <sub>f</sub> =3mA
Power Conversion Efficiency	PCE	%	39	41	-	I <sub>f</sub> =7mA
Wavelength	λ <sub>op</sub>	nm	840	850	860	
DIVERGENCE Angle		Deg	17	20	23	I <sub>f</sub> =7mA

Note: The testing condition is 0.3ms-pulse/1%-Duty.

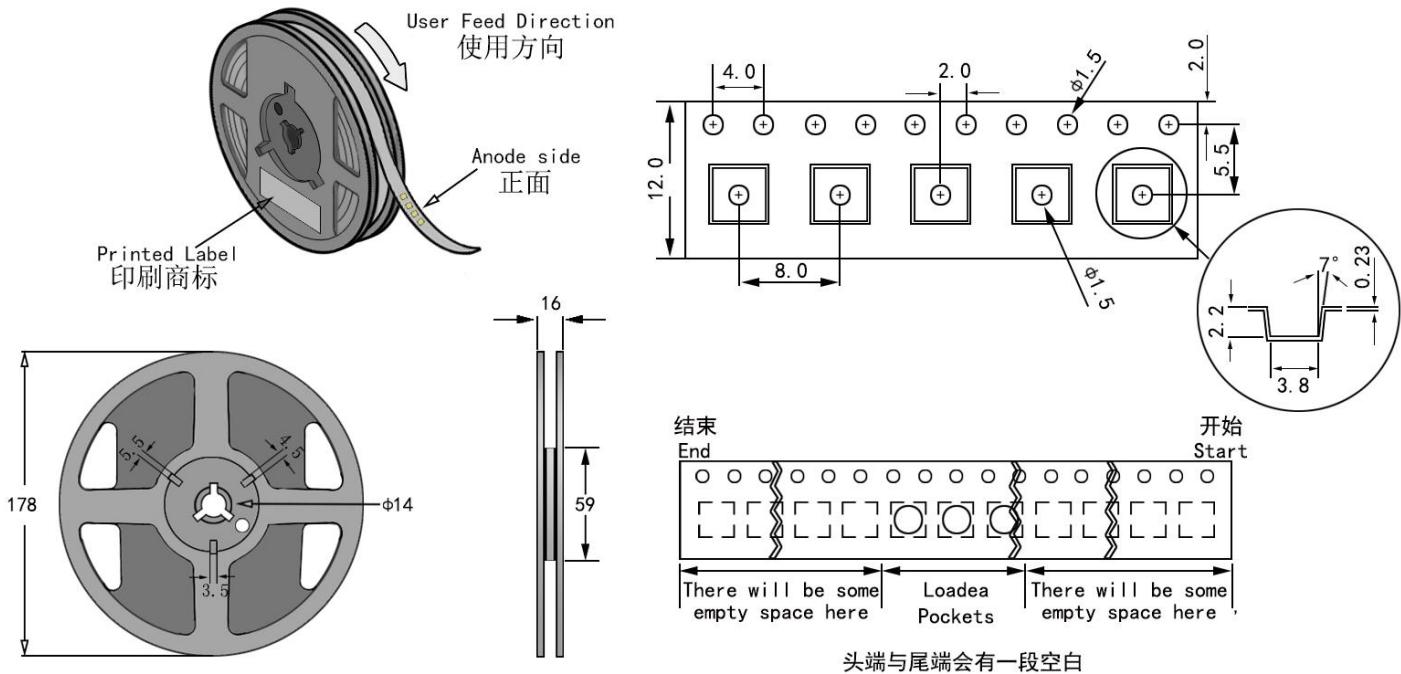
## 3. Typical LIV Performance Curves

QCW 模式 (Pulse Width 0.1ms, 3%Duty Cycle)



## 4.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

## 5.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.

