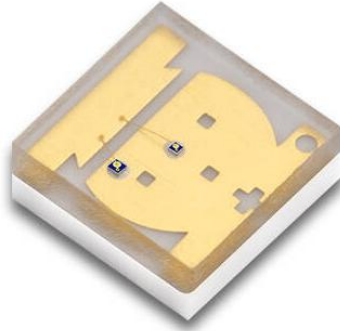


PRODUCT SPECIFICATION

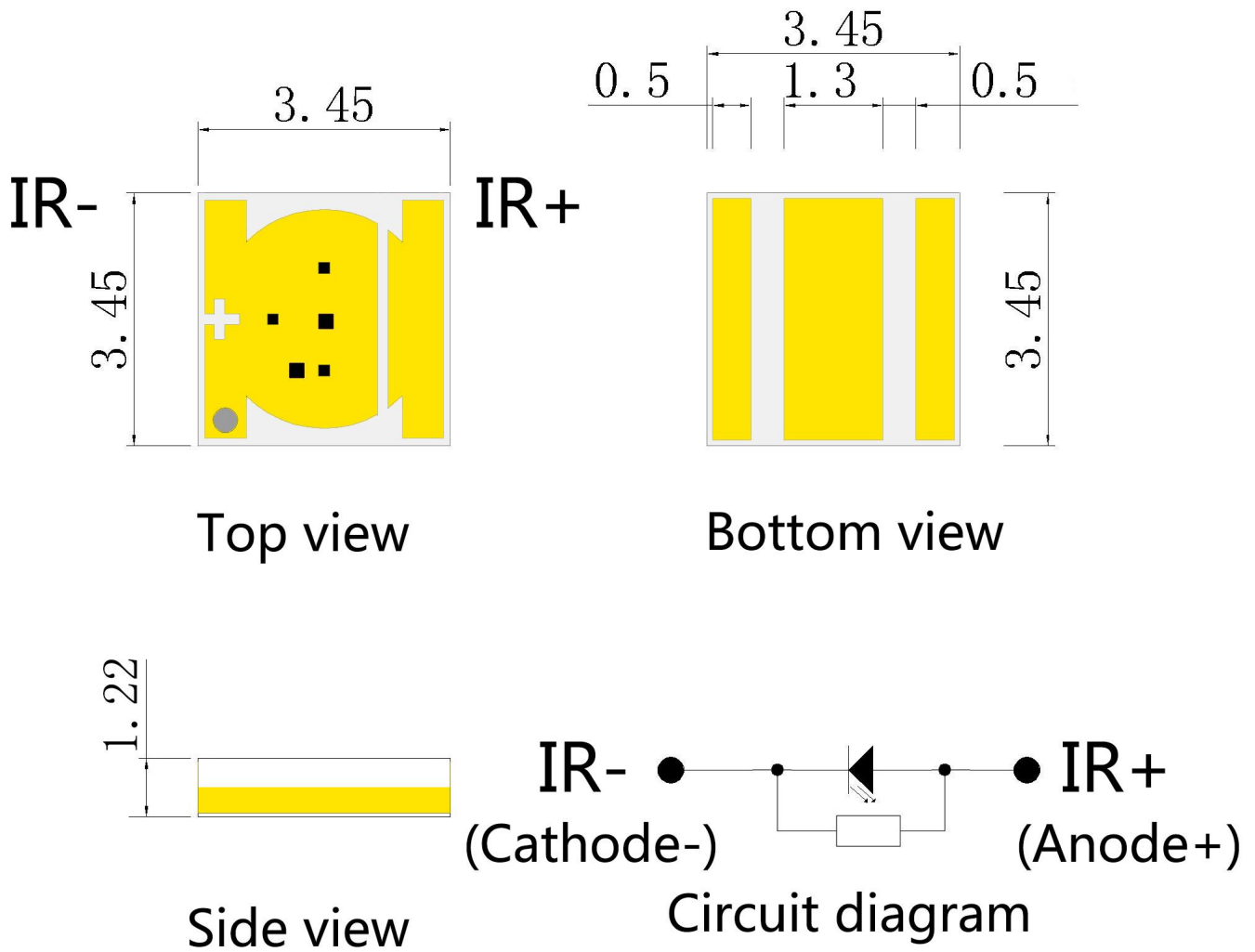


Part No. : JH-3535IR18DR7-T7A-JLSZ850
High Power LED

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.

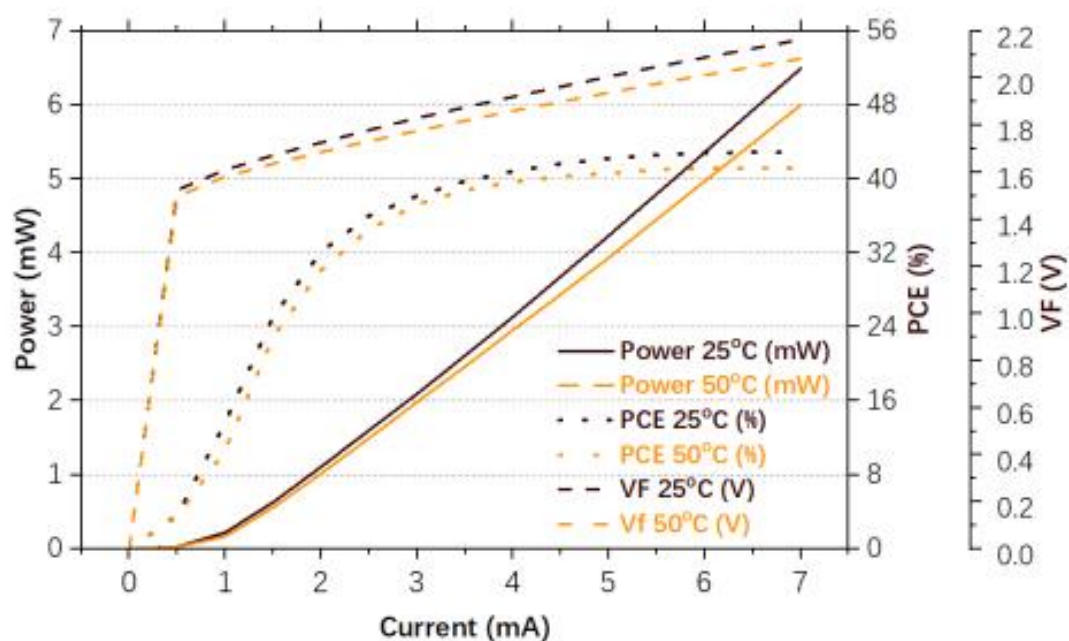
2. Electro-optical Characteristics

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

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

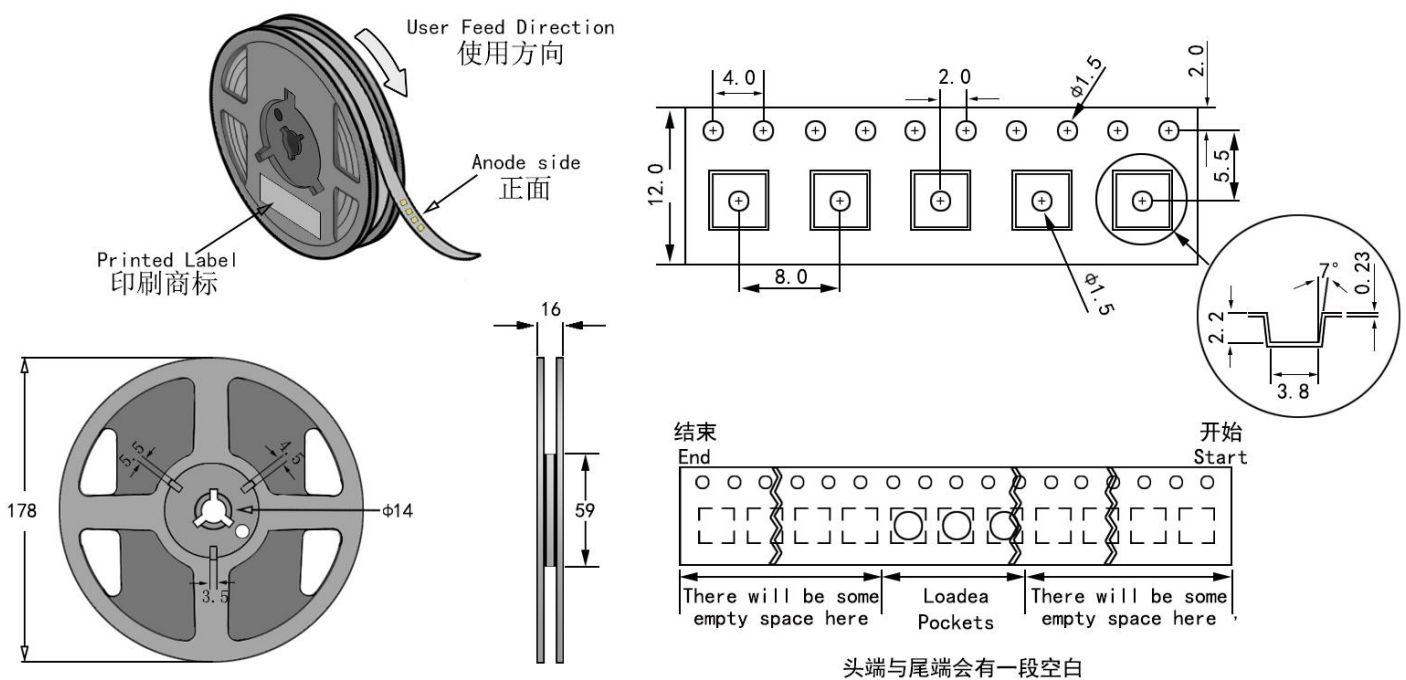
3. Typical LIV Performance Curves

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 $\pm 0.2\text{mm}$.
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.

