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Good quality & Fast delivery

Snowdragon Industrial Co.,Ltd

DATA SHEET

MODEL N.O.: SDIR1WB85-RJ-A

ENG. N.O.: 12021601

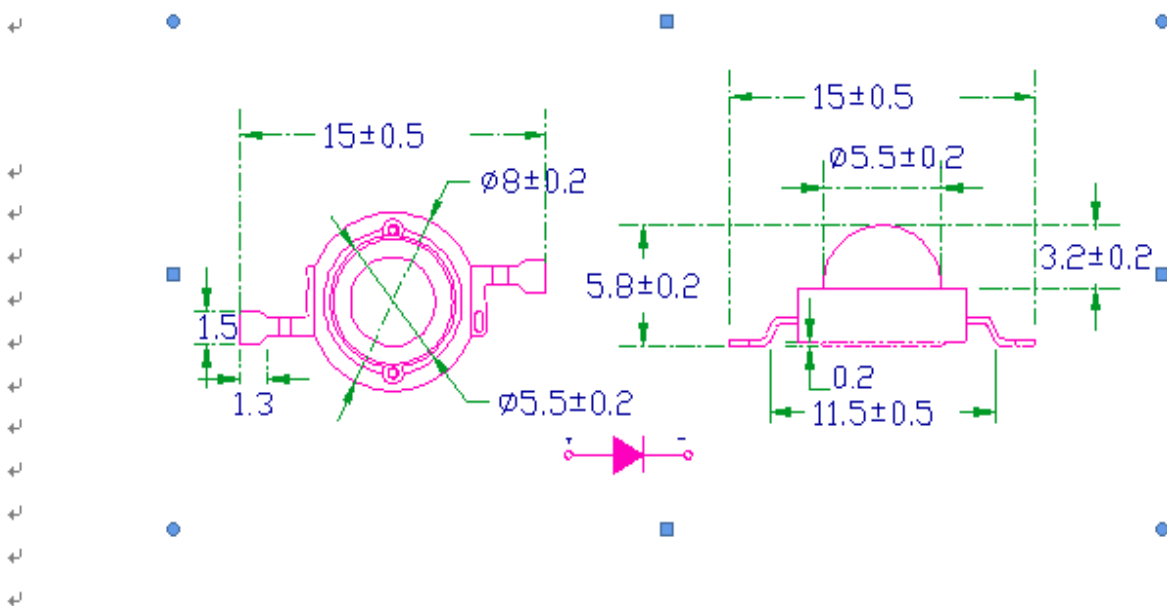
PREPARED BY	CHECKED BY	APPROVED BY
CUSTOMER APPROVED SIGNATURES		



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● Package Dimensions

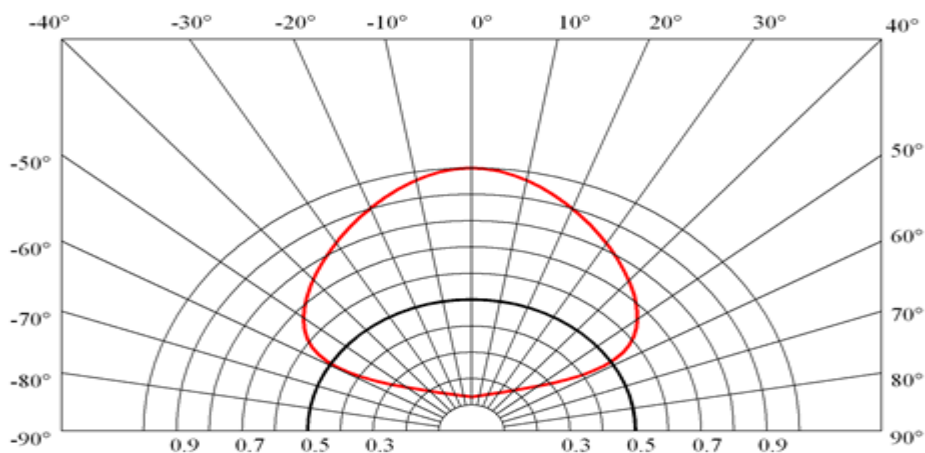


Dimension (mm)

Notes

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}$ (0.010") unless otherwise noted.
3. Protruded resin under flange is 1.0mm (0.04") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.

● Spatial Distribution



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● **Electrical / Optical Characteristics at TA=25°C**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Radiation Power	P	40	45	50	mW	IF =350mA
Viewing Angle	2θ1/2	110	120	130	deg	IF =350mA
Dominant Wavelength	λL		850		nm	IF =350mA
Forward Voltage	V _F	1.2	1.4	1.6	v	IF =350mA
Reverse Current	I _R	0		10	uA	IF =350mA

● **Absolute Maximum Ratings at TA=25°C**

Parameter	Maximum Rating
Power Dissipation	1W
Peak Forward Current(1/10 Duty Cycle, 0.1ms Pulse Width)	1000mA
Continuous Forward Current	350mA
Derating Linear From 30°C	0.07mA/°C
Reverse Voltage	5V
Operating Temperature Range	-20°C to + 80°C
Storage Temperature Range	-30°C to + 100°C
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds

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