



SPECIFICATION FOR APPROVAL

Model. No.	SDP01W6212020
Description	LED 0.5 W/Water clear/White/Power led
Date	2007-11-7
Sample's NO:	SD-0711021
	Client Admit)

Snowdrgon Industrial Co., LTD

(Prepared)

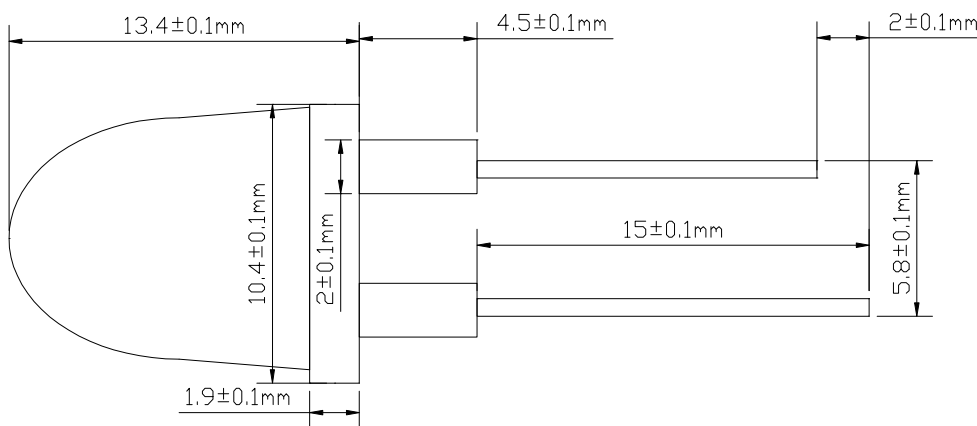
(Operation)

(Engineer)

(Sanction)

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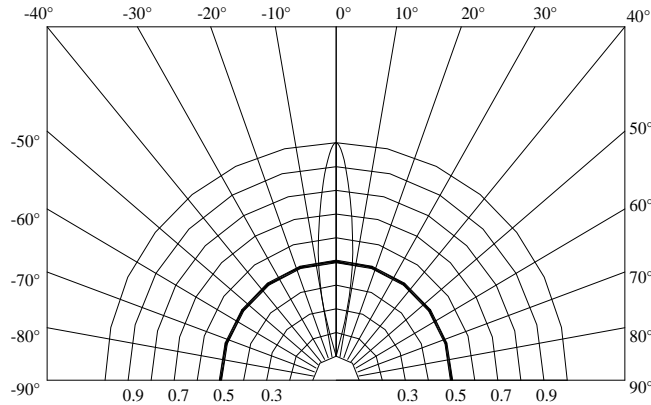
Package Dimensions



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
Luminous Intensity	LM	15	20	25	lm	IF = 150mA
Viewing Angle	2 θ 1/2	15	20	25	deg	IF = 150mA
Dominant Wavelength	Tc	6000	6500	7000	K	IF = 150mA
Spectral Line Half-Width	Δ λ				nm	IF = 150mA
Forward Voltage	VF	3.2	3.4	3.6	V	IF = 150mA
Reverse Current	IR			20	μ A	VR = 5V

Absolute Maximum Ratings at TA=25°C

Parameter	Maximum Rating
Power Dissipation	0.5W
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	500mA

Continuous Forward Current	150mA
Derating Linear From 30°C	0.5mA/°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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SPECIFICATION FOR APPROVAL

HIGH POWER LED Typical Electro-Optical Characteristics

