Snowdragon Industrial Co.,Ltd DATA SHEET

MODEL No: SDL500FCD-0-XZ-D

ENG. No:

Description:

5mm Round

Lens Color: Water clear Emitting Color: Green

■ No Stopper

■ Viewing Angle:15°
DiceMaterial: InGaN

PREPARED BY	CHECKED BY	APPROVED BY						
CUSTOMER APPROVED SIGNATURES								



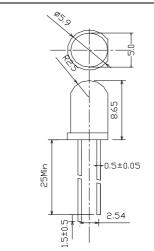


www.snowdragonledhk.com

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Applications:

Dimension Drawing



Absolute Maximum Ratings at Ta = 25°C

Items	Symbol	Absolute maximum	Unit		
Komo	Cymbol	Rating	0.111		
Forward Current	I _F	25	mA		
Peak Forward Current*	I _{FP}	100	mA		
Reverse Voltage	V_R	5	V		
Power Dissipation	P_{D}	100	mW		
Operation Temperature	T _{opr}	-20 ~ +75	°C		
Storage Temperature	T _{sta}	-30 ~ +80	°C		
Lead Soldering	_	Max.260°C for 3 sec Max.			
Temperature	T_{sol}	T _{sol} (3mm from the base of the epoxy bulb)			

Notes:

- 1. All dimensions are in mm, Tolerance is ±0.25mm unless others noted
- 2. An epoxy meniscus may extend about 1.5mm
- 3. Burr around bottom of epoxy may be 0.5mm max.

*pulse width <=0.1msec duty <=1/10

Typical Electrical & Optical Characteristics (Ta = 25°C)

Items		Symbol	Condition	Min.	Ту	/p.	Max.		Unit	
Forward Voltage		V_{F}	$I_F = 20mA$	2.8	3.2		3.6		V	
Reverse Current		I _R	$V_R = 5V$				10		μΑ	
Wavelength		λ_{D}	$I_F = 20mA$		520				nm	
Luminous Intensity		I_V	$I_F = 20 \text{mA}$		27000				mcd	
500/ Dawer Angle		20½H-H	$I_F = 20 \text{mA}$	-	15				deg	
50% Power Angle		2θ½V-V	$I_F = 20mA$						deg	
Rank	L	_uminous	Rank	Lumino	ous	Rank		Luminous		
	Inte	ensity(mcd)		Intensity(mcd)			Ir		ensity(mcd)	
1		1	1	1		/			1	

Important Notes:

- 1) All ranks will be included per delivery, rank ratio will be determined by Snowdragon.
- Tolerance of measurement of luminous intensity is ±15%.
- 3) Tolerance of measurement of dominant wavelength is ±1nm.
- 4) Tolerance of measurement of Vf is ±0.05 V.
- 5) Packaging methods are available for selection, please refer to PACKAGING STANDARD.
- 6) Please refer to LED LAMP RELIABILITY TEST STANDARD for reliability test conditions.

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