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Good quality & Fast delivery

Snowdragon Industrial Co.,Ltd

DATA SHEET

MODEL No : SDP L707RWU-0

Description:

- **5mm Cylindrical LEDs**
- **Lens Color: Diffused**
- **Emitting Color: Red**
- **Viewing Angle :120°**
- **No Stopper**

PREPARED BY	CHECKED BY	APPROVED BY
CUSTOMER APPROVED SIGNATURES		



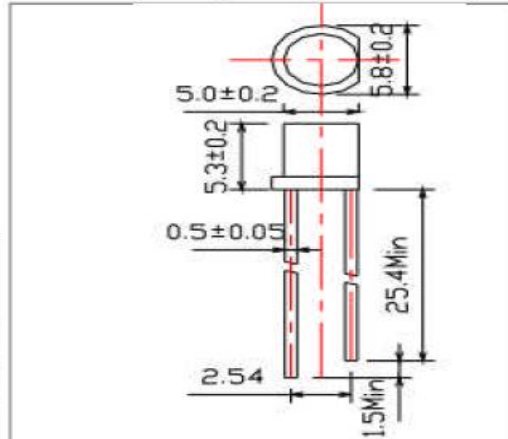
Technology support & order , pls email : powerledmanufacturer@gmail.com

Applications:

Dimension Drawing

Absolute Maximum Ratings at Ta = 25°C

Items	Symbol	Absolute maximum Rating	Unit
Items	I_F	25	mA
Forward Current	I_{FP}	100	mA
Peak Forward Current*	V_R	5	V
Reverse Voltage	P_D	65	mW
Power Dissipation	T_{opr}	-20 ~ +75	°C
Operation Temperature	T_{stg}	-30 ~ +80	°C
Storage Temperature	T_{sol}	Max.260°C for 3 sec Max. (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.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20mA$	1.8	2.2	2.6	V
Reverse Current	I_R	$V_R = 5V$	---	---	10	μA
Wavelength	CCT	$I_F = 20mA$	---	625	---	nm
Luminous Intensity	I_V	$I_F = 20mA$	--	65	---	mcd
50% Power Angle	2θ _{1/2} H-H	$I_F = 20mA$	---	120	---	deg
	2θ _{1/2} V-V	$I_F = 20mA$	---	---	---	deg

Important Notes:

- 1) All ranks will be included per delivery, rank ratio will be determined by Snowdragon.
- 2) 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.

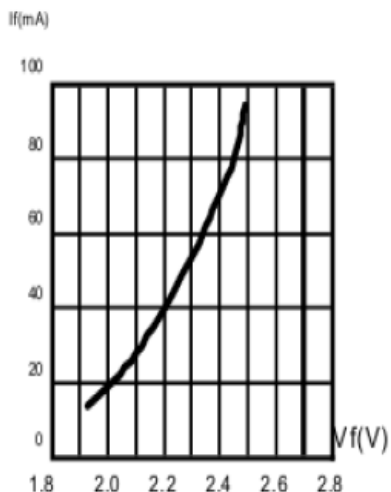


Fig.1 FORWARD CURRENT VS. FORWARD VOLTAGE.

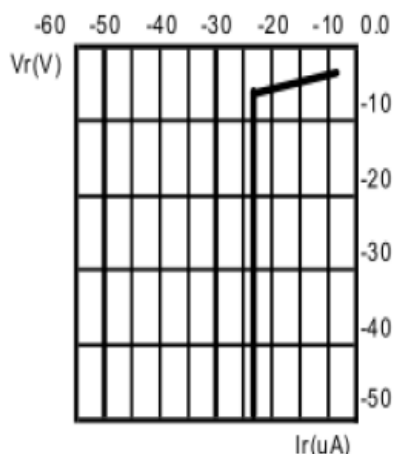


Fig.2 REVERSE CURRENT VS. REVERSE VOLTAGE.

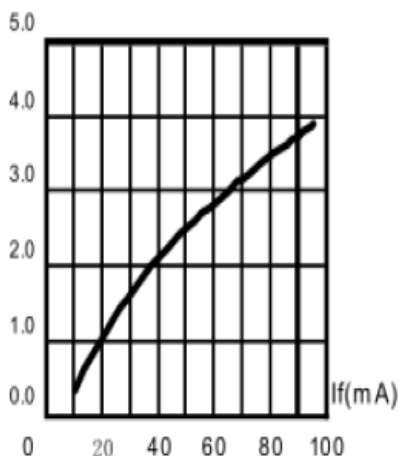


Fig.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT.

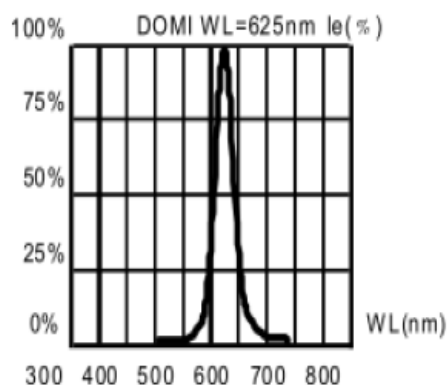
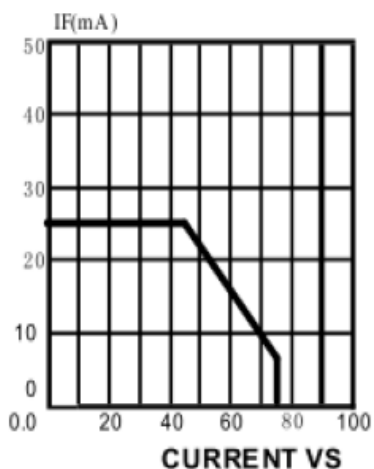


Fig.4 RELATIVE LUMINOUS INTENSITY



AMBIENT TEMPERATURE(Tjmax=105)

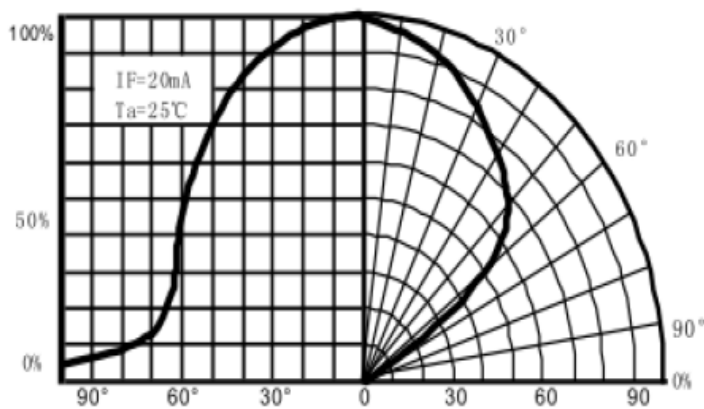


Fig.6 FAR FIELD PATTERN