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Good quality & Fast delivery

Snowdragon Industrial Co.,Ltd

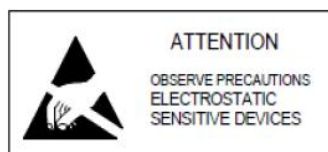
DATA SHEET

MODEL No : SDP L707YWU-0

ENG. No:

- 5mm
- Lens Color: Diffused
- Emitting Color: Yellow
- Viewing Angle :120°
- No Stopper

PREPARED BY	CHECKED BY	APPROVED BY
CUSTOMER APPROVED SIGNATURES		



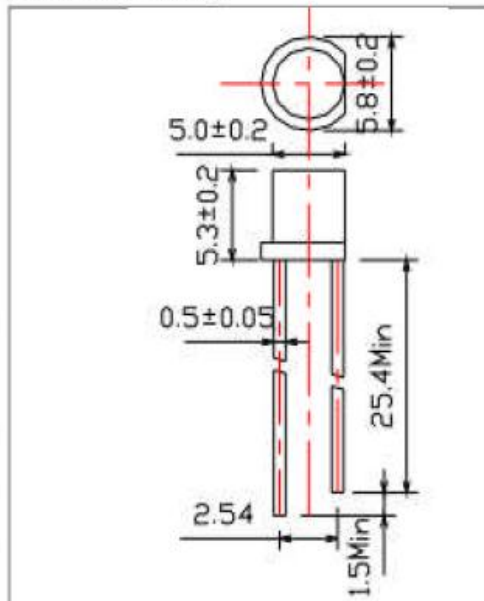
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Applications:

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	$I_F = 20mA$	---	590	---	nm
Luminous Intensity	I_V	$I_F = 20mA$	--	30	---	mcd
50% Power Angle	$2\theta_{1/2}H-H$	$I_F = 20mA$	---	120	--	deg
	$2\theta_{1/2}V-V$	$I_F = 20mA$	---	---	---	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.

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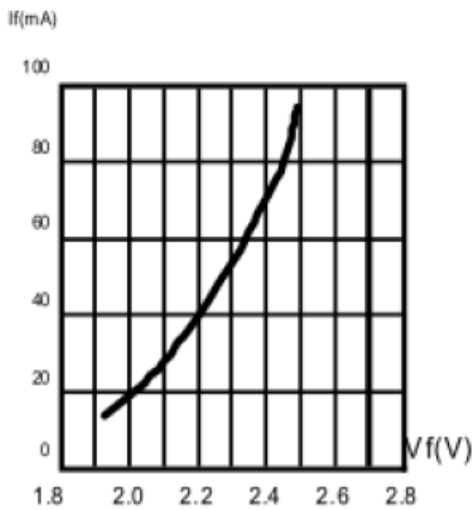


Fig.1 FORWARD CURRENT VS. FORWARD VOLTAGE.

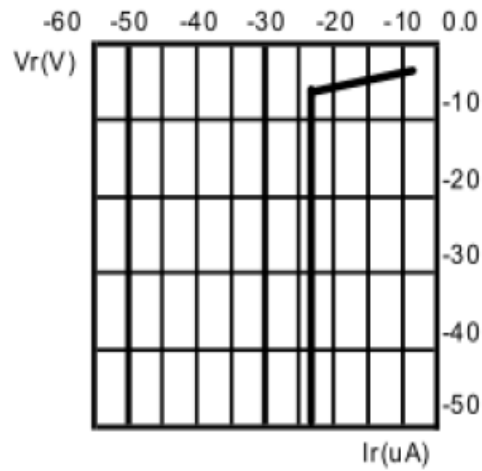


Fig.2 REVERSE CURRENT VS. REVERSE VOLTAGE.

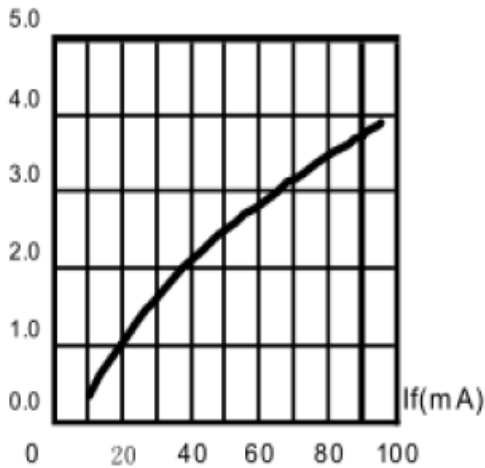


Fig.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT.

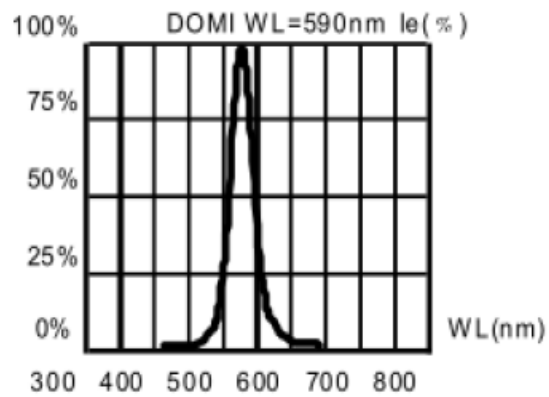


Fig.4 RELATIVE LUMINOUS INTENSITY

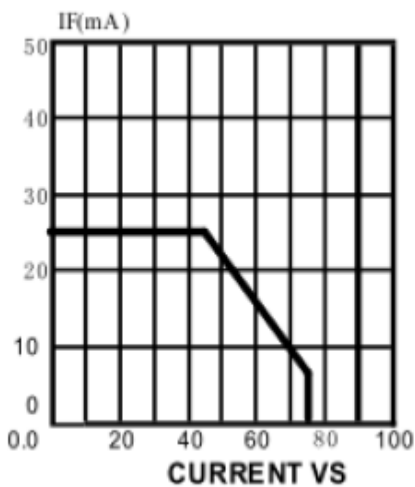


Fig.5 CURRENT VS AMBIENT TEMPERATURE ($T_{j\text{max}}=105$)

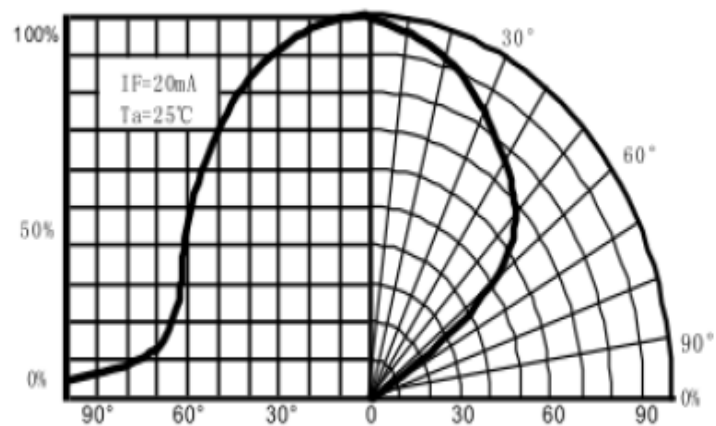


Fig.6 FAR FIELD PATTERN