

**Model: L-5T2CPW-D1**

15 Degree 5mm LED Lamp in Daylight Color with Water Transparent Lens and No Stopper

**Dice Material:**

InGaN

**Applications:**

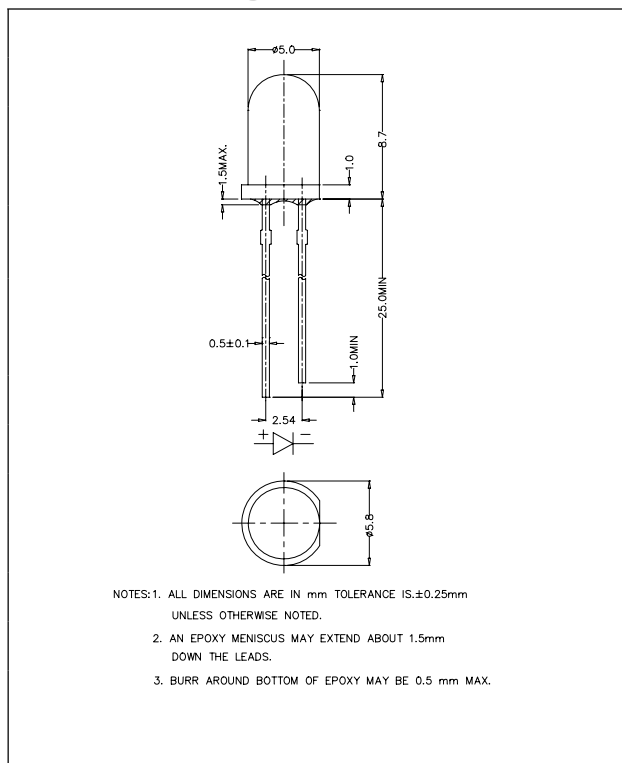
- Advertising Signs
- Indicators
- LCD Back Light
- Illuminations

**Absolute Maximum Ratings at Ta = 25°C**

Items	Symbol	Absolute maximum Rating	Unit
Forward Current	I <sub>F</sub>	25	mA
Peak Forward Current*	I <sub>FP</sub>	100	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	120	mW
Operation Temperature	T <sub>opr</sub>	-20 ~ + 75	°C
Storage Temperature	T <sub>stg</sub>	-30 ~ + 80	°C
Lead Soldering Temperature	T <sub>sol</sub>	Max.260°C for 3 sec Max. (3mm from the base of the epoxy bulb)	

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

**Dimension Drawing**



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

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 20mA	3.2	3.6	4.2	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> = 5V	---	---	100	µA
Luminous Intensity	I <sub>V</sub>	I <sub>F</sub> = 20mA	3000	7000	12000	mcd
Chromaticity Coordinates	x	I <sub>F</sub> = 20mA	---	0.31	---	---
	y	I <sub>F</sub> = 20mA	---	0.32	---	---
50% Power Angle	2θ <sub>½</sub>	I <sub>F</sub> = 20mA	---	15	---	deg

**Ranks Combination (I<sub>F</sub> = 20mA)**

Rank	W	X	Y	Z
Luminous Intensity	3000-4180 mcd	4180-5860 mcd	5860-8200 mcd	8200 - 12000 mcd

Rank	a				b1				b2				c				
Chromaticity Coordinates	X	0.280	0.264	0.283	0.296	0.287	0.283	0.330	0.330	0.296	0.287	0.330	0.330	0.330	0.330	0.361	0.356
	Y	0.248	0.267	0.305	0.276	0.295	0.305	0.360	0.339	0.276	0.295	0.339	0.318	0.318	0.360	0.385	0.351

Rank	V9	V10	V11	V12	V13
Voltage	3.2-3.4 V	3.4-3.6 V	3.6-3.8 V	3.8-4.0 V	4.0-4.2 V