

**Model: L-5T2CPB-D3**

30 Degree 5mm LED Lamp in Blue Color with Water Transparent Lens and No Stopper

**Dice Material:**

InGaN

**Applications:**

- Advertising Signs
- Indicators
- LCD Back Light
- Moving Message Signs

**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>	105	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

**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	---	3.6	4.2	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> = 5V	---	---	100	μA
Dominant Wavelength	λ <sub>D</sub>	I <sub>F</sub> = 20mA	465	470	475	nm
Luminous Intensity	I <sub>V</sub>	I <sub>F</sub> = 20mA	1100	1600	---	mcd
50% Power Angle	2θ <sub>½</sub>	I <sub>F</sub> = 20mA	---	30	---	deg

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

Rank	T	U	V
Luminous Intensity	1100-1520 mcd	1520-2130 mcd	2130-3000 mcd

Rank	X4	X5
Dominant Wavelength	465-470 nm	470-475 nm

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

**Dimension Drawing**

