

Model: L-5T2CPG-D3

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

Dice Material:

InGaN

Applications:

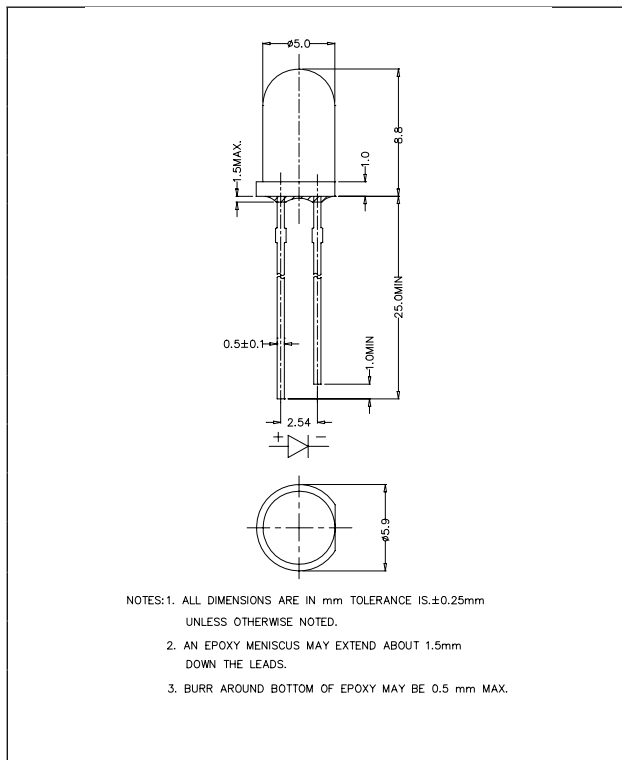
- Advertising Signs
- Indicators
- LCD Back Light
- Moving Message Sign

Absolute Maximum Ratings at Ta = 25°C

Items	Symbol	Absolute maximum Rating	Unit
Forward Current	I_F	25	mA
Peak Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	105	mW
Operation Temperature	T_{opr}	-20 ~ +75	°C
Storage Temperature	T_{stg}	-30 ~ +80	°C
Lead Soldering Temperature	T_{sol}	Max.260°C for 3 sec Max. (3mm from the base of the epoxy bulb)	

*pulse width $\leq 0.1\text{msec}$ duty $\leq 1/10$

Dimension Drawing



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

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	---	3.6	4.2	V
Reverse Current	I_R	$V_R = 5\text{V}$	---	---	100	μA
Dominant Wavelength	λ_D	$I_F = 20\text{mA}$	520	525	535	nm
Luminous Intensity	I_V	$I_F = 20\text{mA}$	3000	4800	---	mcd
50% Power Angle	$2\theta_{\frac{1}{2}}$	$I_F = 20\text{mA}$	---	30	---	deg

Ranks Combination ($I_F = 20\text{mA}$)

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

Rank	X7	X8	X9
Dominant Wavelength	520-525 nm	525-530 nm	530-535 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