

Model: L-5T2CSY-D3

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

Dice Material:

AlGaInP

Applications:

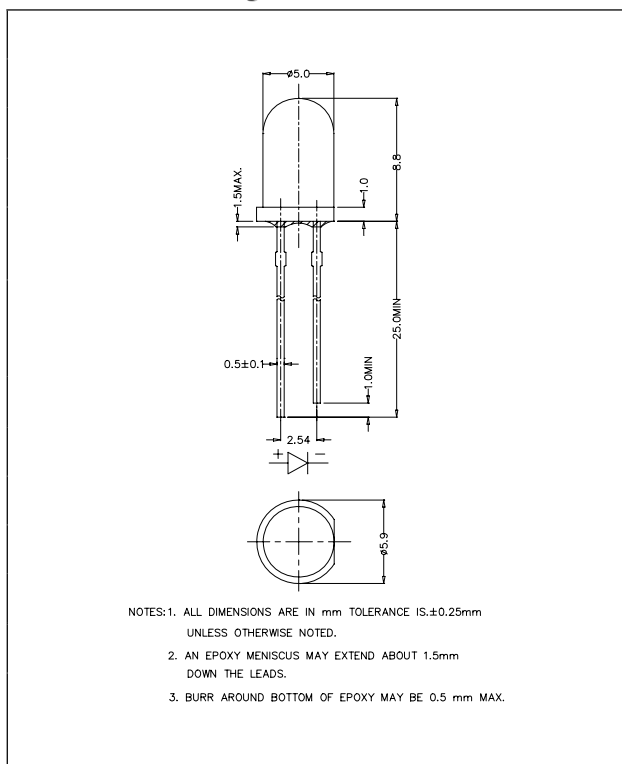
- Advertising Signs
- Indicators
- Traffic
- Automotive Lighting

Absolute Maximum Ratings at Ta = 25°C

Items	Symbol	Absolute maximum Rating	Unit
Forward Current	I_F	50	mA
Peak Forward Current*	I_{FP}	200	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	130	mW
Operation Temperature	T_{opr}	-40 ~ + 95	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	Max.260°C for 5 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	$I_F = 20\text{mA}$	---	2.3	2.6	V
Reverse Current	I_R	$V_R = 5\text{V}$	---	---	100	μA
Dominant Wavelength	λ_D	$I_F = 20\text{mA}$	584	591	596	nm
Luminous Intensity	I_V	$I_F = 20\text{mA}$	2130	3500	---	mcd
50% Power Angle	$2\theta_{\frac{1}{2}}$	$I_F = 20\text{mA}$	---	30	---	deg

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

Rank	V	W	X
Luminous Intensity	2130-3000 mcd	3000-4180 mcd	4180-5860 mcd

Rank	X2	X3	X4	X5
Dominant Wavelength	584-587 nm	587-590 nm	590-593 nm	593-596 nm

Rank	V2	V3	V4	V5
Voltage	1.8-2.0V	2.0-2.2V	2.2-2.4V	2.4-2.6V