

LED LAMP

12568-0P

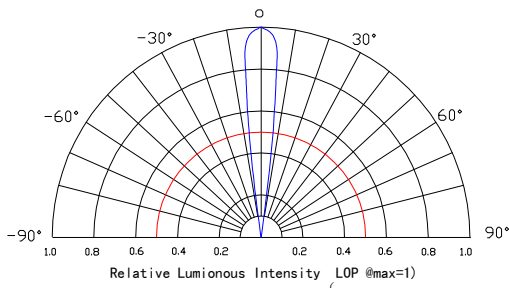
Features:

- High intensity
- General purpose leads
- RoHs complant.

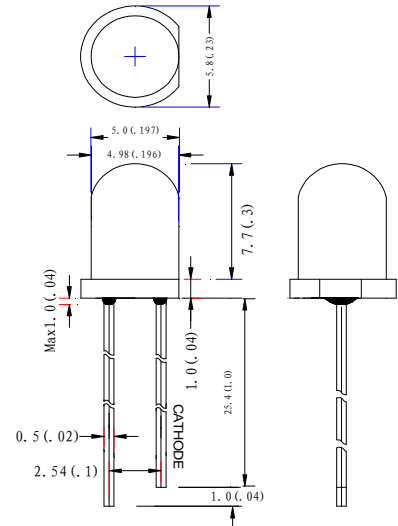
Descriptions:

- Dice material: InGaN.
- Emitting Color: Super bright Blue.
- Device Outline: Φ 5mm Round Type.
- Lens Type: Water clear

Radiation pattern.



Package configuration



- ◆ All dimensions are millimeters (inches)
- ◆ Tolerance is $\pm 0.25\text{mm}(.010\text{'})$ unless otherwise noted.

Absolute maximum ratings($T_a=25\text{ }^\circ\text{C}$)

Parameter	MAX.	Unit
Power Dissipation	70	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	20	mA
Derating Linear From $50\text{ }^\circ\text{C}$	0.4	mA/ $^\circ\text{C}$
Reverse Voltage	5	V
Electrostatic Discharge (ESD)	150	V
Operating Temperature Range	$-30\text{ }^\circ\text{C}$ to $+80\text{ }^\circ\text{C}$	
Storage Temperature Range	$-40\text{ }^\circ\text{C}$ to $+100\text{ }^\circ\text{C}$	
Lead Soldering Temperature[4mm(.157") From Body]	$260\text{ }^\circ\text{C}$ for 5 Seconds	

Electrical and optical characteristics($T_a=25\text{ }^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	-	6000	-	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	10	15	20	Deg	
Peak Emission	λ_p	465	470	475	nm	
Dominant Wavelength	λ_d	460	465	470	nm	
Spectral Line Half-Width	$\Delta\lambda$	10	15	20	nm	
Forward Voltage	V_F	2.8	3.2	3.6	V	
Reverse Current	I_R			50	μA	$V_R=5\text{V}$

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Typical Electrical Characteristics Curves (25 °c Ambient Temperature Unless Otherwise Noted)

