



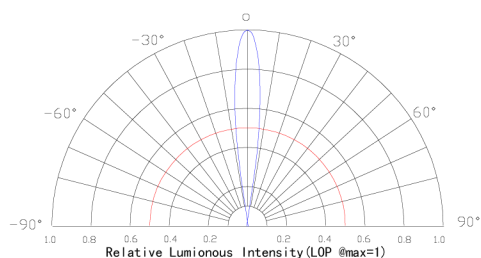
Features:

- High intensity
- General purpose leads
- RoHs complant.

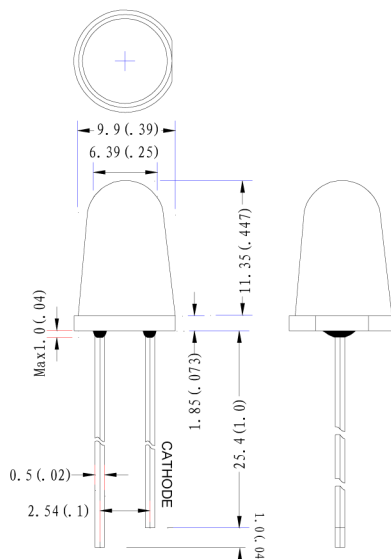
Descriptions:

- Dice material: InGaN
- Emitting Color: White
- Device Outline: $\Phi 10\text{mm}$ Bullet head Type.
- Lens Type: Water clear.

Radiation pattern.



Package configuration



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

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

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°C	0.4	mA/ $^\circ\text{C}$
Reverse Voltage	5	V
Electrostatic Discharge (ESD)	150	V
Operating Temperature Range	-20°C to $+80^\circ\text{C}$	
Storage Temperature Range	-30°C to $+100^\circ\text{C}$	
Lead Soldering Temperature[4mm(.157") From Body]	260 $^\circ\text{C}$ for 5 Seconds	

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	–	30000	–	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	10	15	20	Deg	
Chromaticity coordinates	x		0.29			
	y		0.30			
CCT		9500			K	
Forward Voltage	V_F	2.8	3.2	3.6	V	$V_R=5\text{V}$
Reverse Current	I_R			50	μA	



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

