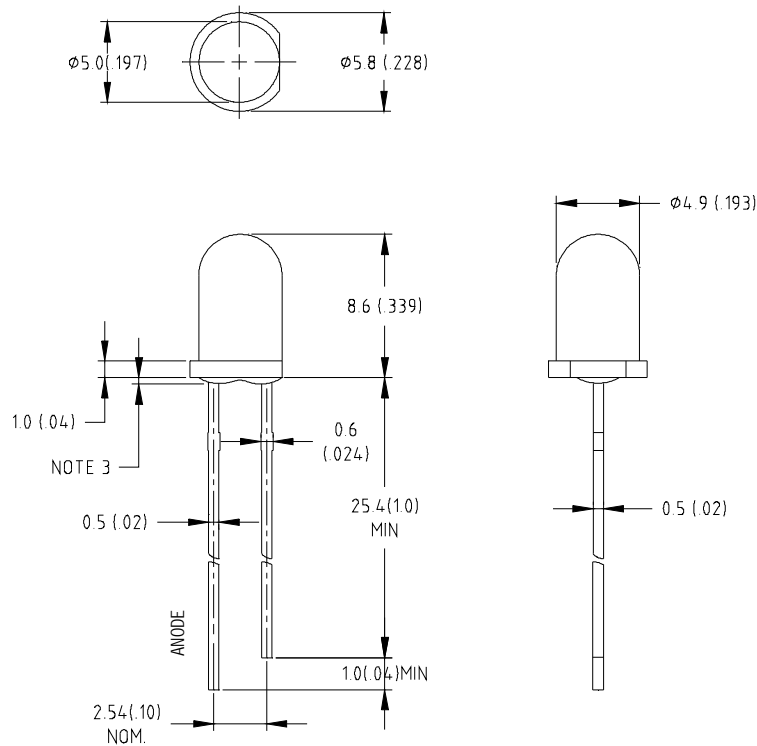


DATASHEET

Features:

- ◆ High intensity
- ◆ Standard T-1 3/4 diameter package
- ◆ General purpose leads
- ◆ Reliable and rugged

Package Dimensions:



Chip Material	Lens Color	Source Color
InGaN	White Diffused	White

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 mm (.010") unless otherwise noted.
3. Protruded resin under flange is 1.0mm(.04") max
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice
6. Precautions for ESD:

Static electricity and surge can damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

7. This data-sheet only valid for six months.

Absolute Maximum Ratings at Ta=25°C

Parameter	MAX.	Unit
Power Dissipation	120	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-20°C to +80°C	
Storage Temperature Range	-30°C to +100°C	
Lead Soldering Temperature [4mm(.157") From Body]	260°C for 5 Seconds	

Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition		
Luminous Intensity	I_v	1000	2200	---	mcd	$I_f=20\text{mA}$ (Note 1)		
Viewing Angle	$2\theta_{1/2}$	30	35	40	Deg	(Note 2)		
Forward Voltage	V_f	2.8	3.5	4.0	V	$I_f=20\text{mA}$		
Reverse Current	I_R	---	---	100	μA	$V_R=5\text{V}$		
BIN Grade	Top		Right		Bottom		Left	
	X	Y	X	Y	X	Y	X	Y
BIN A	0.23	0.23	0.24	0.20	0.22	0.17	0.20	0.19
BIN B	0.25	0.25	0.26	0.23	0.24	0.20	0.23	0.23
BIN C	0.27	0.29	0.29	0.26	0.26	0.23	0.25	0.25
BIN D	0.29	0.32	0.32	0.30	0.29	0.26	0.27	0.29
BIN E	0.32	0.36	0.34	0.34	0.32	0.30	0.29	0.32

Notes:

- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- $2\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

Typical Electrical / Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)

