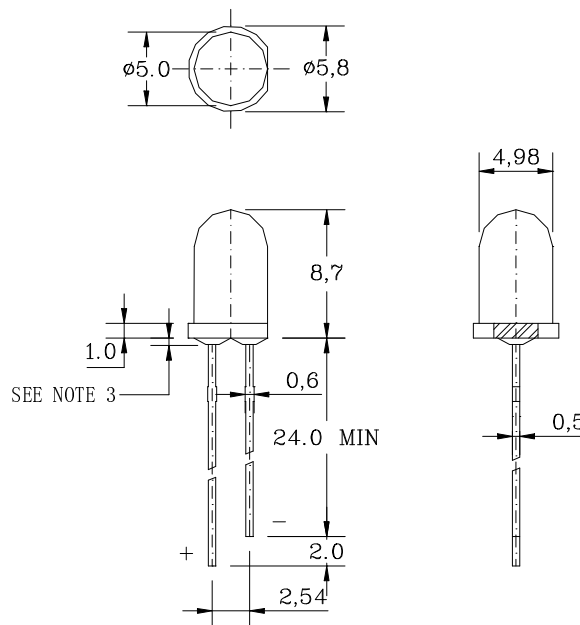


## Features

- ◆ High intensity
- ◆ General purpose leads
- ◆ Reliable and rugged

## Package Dimension:



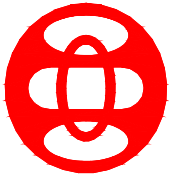
Part No.	Chip Material	Lens Color	Source Color
504BC	InGaN/GaN	Water clear	Blue

### Notes:

1. All dimensions are in millimeters.
2. Tolerance is  $\pm 0.25$ mm unless otherwise noted.
3. Protruded resin under flange is 1.0mm max.

Approved By:

Designed By: 黄国英



## 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
Reverse Voltage	5	V
Electrostatic Discharge(ESD)	300	V
Operating Temperature Range	-25°C to +80°C	
Storage Temperature Range	-25°C to +85°C	
Lead Soldering Temperature (4mm 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 <sub>v</sub>	8000	10000	----	mcd	I <sub>F</sub> =20mA(Note 1)
Viewing Angle	2 θ <sub>1/2</sub>	----	15	----	Deg	(Note 2)
Peak Emission Wavelength	λ <sub>p</sub>	460	465	470	nm	I <sub>F</sub> =20mA
Spectral Line Half-Width	Δ λ	25	30	35	nm	I <sub>F</sub> =20mA
Forward Voltage	V <sub>F</sub>	2.8	3.2	3.6	V	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>	----	----	10	μ A	V <sub>R</sub> =5V

### Note:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. θ<sub>1/2</sub> is the off-axis angle at which the luminous intensity is half the axial luminous intensity.