

LL-504BC2E-B4-1CC

DATA SHEET

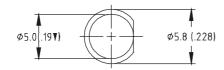
QC: ENG: Prepared By:

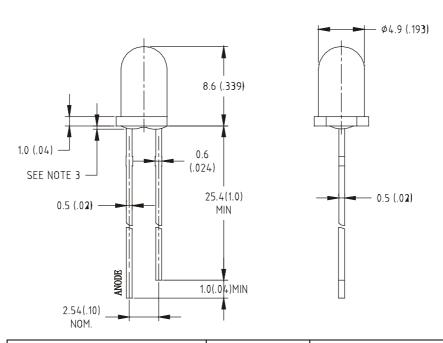


Features

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

Package Dimension:





Part NO.	Lens Color	Source Color
LL-504BC2E-B4-1CC	Water Clear	Super Bright Blue

Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is $\pm 0.25(.010")$ mm 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. Caution in ESD:

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

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Absolute Maximum Ratings at Ta=25℃

Parameter	MAX. Unit		
Power Dissipation	100 mW		
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100 mA		
Continuous Forward Current	35 mA		
Derating Linear From 50°C	0.4 mA/°C		
Reverse Voltage	5 V		
Operating Temperature Range	-40°C to +80°C		
Storage Temperature Range	-40°C to +80°C		
Lead Soldering Temperature [4mm(.157") From Body]	260°C for 5 Seconds		

Electrical Optical Characteristics at Ta=25℃

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Luminous Intensity	Iv	2000	3000		mcd	I _F =20mA (Note 1)
Viewing Angle	2 H _{1/2}		25		Deg	(Note 2)
Peak Emission Wavelength	λр	463	466	469	Nm	I _F =20mA
Dominant Wavelength	λd	465	470	475	Nm	I _F =20mA (Note 3)
Spectral Line Half-Width	Δλ		25		Nm	I _F =20mA
Forward Voltage	V_{F}	2.8	3.6	4.0	V	I _F =20mA
Reverse Current	I_R			100	μΑ	V _R =5V

Note:

- 1. 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.
- 3. The dominant wavelength (λ d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

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Typical Electrical / Optical Characteristics Curves (25°C Ambient Temperature Unless Otherwise Noted)

