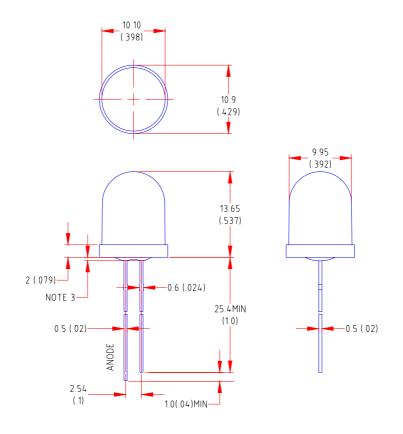


Features

- High intensity
- 10mm diameter package
- Wide viewing angle
- General purpose leads
- Reliable and rugged

Package Dimension:



Part NO.	Lens Color	Source Color
LL-1003YD2D-002	Yellow Diffused	Super Bright Yellow

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

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        Part No.
        LL-1003YD2D-002
        Spec No.
        S/N-01092603D
        Page
        2 of 4
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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	0.4	mA/
Reverse Voltage	5	V
Operating Temperature Range	-40 to +80	
Storage Temperature Range	-40 to +80	
Lead Soldering Temperature [4mm(.157") From Body]	260 for 5 Sec	conds

Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Luminous Intensity	lv	200	420	900	mcd	I⊧=20mA (Note 1)
Viewing Angle	2 1/2	52	62	72	Deg	(Note 2)
Peak Emission Wavelength	р	587	592	597	nm	I=20mA
Dominant Wavelength	d	584	590	596	nm	I⊧=20mA (Note 3)
Spectral Line Half-Width		17	22	27	nm	I=20mA
Forward Voltage	VF	1.6	2.0	2.5	V	I=20mA
Reverse Current	R			100	μA	V _R =5V

Note:

- 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- 2. 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3. The dominant wavelength (d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

 Part No.
 LL-1003YD2D-002
 Spec No.
 S/N-01092603D
 Page
 3 of 4

