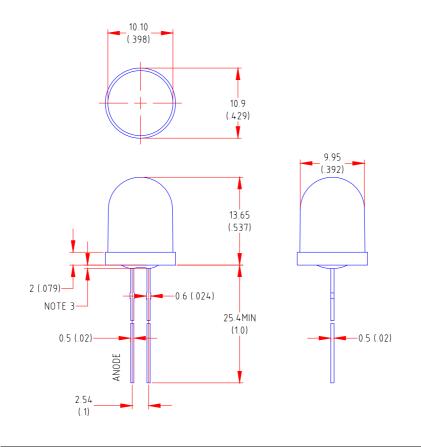


Features

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

Package Dimension:



	Part NO.	Lens Color	Source Color
I	LL-1003SC2D-002	Water Clear	Super Bright Red

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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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	40	mA		
Derating Linear From 50	0.4	mA/		
Reverse Voltage	5	V		
Operating Temperature Range	-40 to +80	-40 to +80		
Storage Temperature Range	-40 to +80	-40 to +80		
Lead Soldering Temperature [4mm(.157") From Body]260 for 5 Second		conds		

Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Luminous Intensity	lv		1000		mcd	I=20mA (Note 1)
Viewing Angle	2 1/2		20		Deg	(Note 2)
Peak Emission Wavelength	р		660		nm	I⊧=20mA
Dominant Wavelength	d		640		nm	I=20mA (Note 3)
Spectral Line Half-Width			24		nm	I=20mA
Forward Voltage	VF	1.5	1.85	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.

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