

LL-583UYC2C-011

DATA SHEET

QC: ENG: Prepared By:

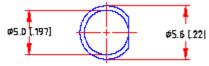
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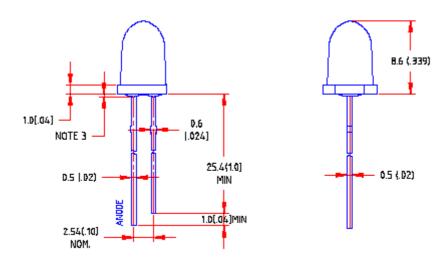


Features

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

Package Dimension:





Part NO.	Part NO. Material		Source Color	
LL-503UYC2C-011	AlGalnp	Water Clear	Ultra 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

Absolute Maximum Ratings at Ta=25℃

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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		3000	9000	mcd	I=20mA (Note 1)
Viewing Angle	2 \theta 1/2	10	15	20	Deg	(Note 2)
Peak Emission Wavelength	λр		590		nm	I _F =20mA (Note 3)
Spectral Line Half-Width	Δλ		20		nm	I⊧=20mA
Forward Voltage	V _F		2.2	2.60	V	I⊧=20mA
Reverse Current	IR			100	μA	V _R =5V

Note:

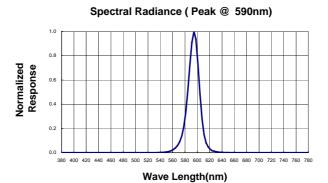
- 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- 2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3. The dominant wavelength (λ p) is derived from the CIE chromaticity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

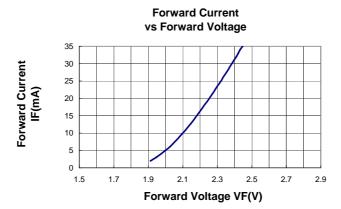
Typical Electrical / Optical Characteristics Curves

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(25°C Ambient Temperature Unless Otherwise Noted)





Relative Luminous Intensity vs Forward Current

