

LL-503UYC2E-002

DATA SHEET

QC: ENG: Prepared By:

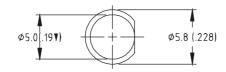
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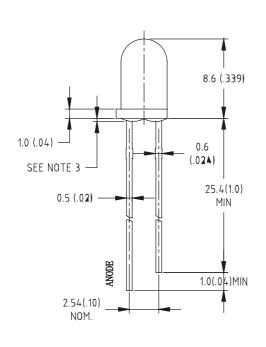


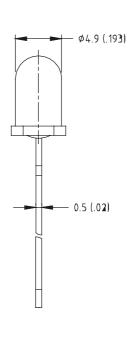
Features

- ♦ High intensity
- ♦ Standard T-1 3/4 diameter package
- Wavelenght λ p=592nm
- ♦ General purpose leads
- ◆ Reliable and rugged

Package Dimension:







Part NO.	Material	Lens Color	Source Color	
LL-503UYC2E-002	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

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Absolute Maximum Ratings at Ta=25℃

Parameter	MAX.	Unit	
Power Dissipation	100	mW	
Peak Forward Current (1/10 Duty Cycle, O.1ms Pulse Width)			
Continuous Forward Current	35	mA	
Derating Linear From 50℃	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℃ for 5 Seconds		

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition	
Luminous Intensity	Iv	600	1200	3000	mcd	$I_{\text{F}}=20\text{mA}$ (Note 1)	
Viewing Angle	2 θ 1/2		25	30	Deg	(Note 2)	
Peak Emission Wavelength	λр		592		nm	$I_{\text{F}}=20\text{mA}$ (Note 3)	
Spectral Line Half-Width	Δλ		18		nm	I _F =20mA	
Forward Voltage	$V_{\scriptscriptstyle F}$		2.0	2. 55	V	I _F =20mA	
Reverse Current	$I_{\scriptscriptstyle R}$			100	μД	V _R =5V	

Note:

- 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- 2. $\theta_{\ \text{1/2}}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3. Peak Emission wavelength (λ p) 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)

