

LL-503UYC2E-Y2-3BE

DATA SHEET

QC:

ENG:

Prepared By:

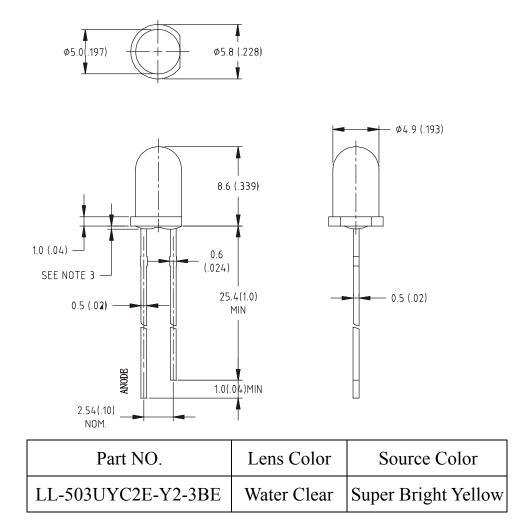
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Features

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

Package Dimension:



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

Electrical Optical Characteristics at Ta=25°C

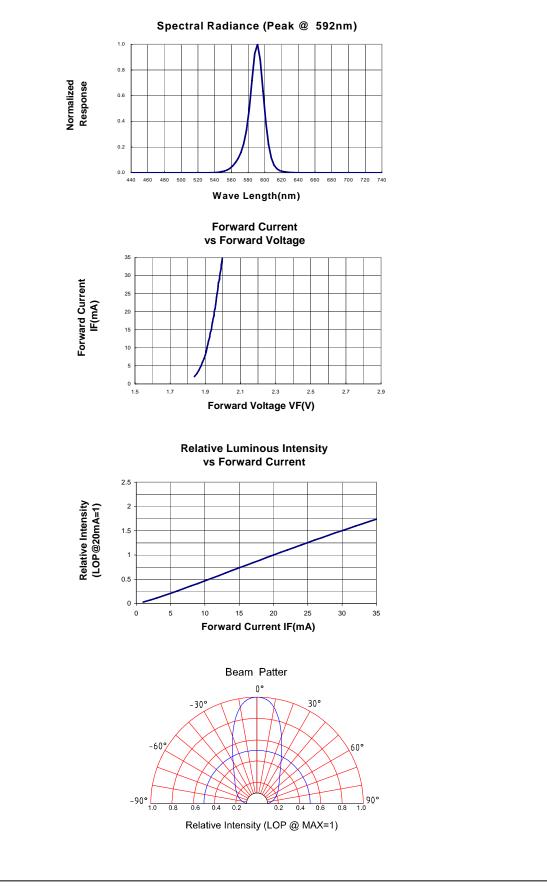
Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Luminous Intensity	Iv	2500	3000		mcd	$I_F=20mA$ (Note 1)
Viewing Angle	$2\theta_{1/2}$	40	45	50	Deg	(Note 2)
Peak Emission Wavelength	λp		592		nm	I _F =20mA
Dominant Wavelength	λd		591		nm	$I_F=20mA$ (Note 3)
Spectral Line Half-Width	$ riangle \lambda$		18		nm	I _F =20mA
Forward Voltage	\mathbf{V}_{F}		1.95	2.6	V	I _F =20mA
Reverse Current	I _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. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3. The dominant wavelength (λd) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.



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



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