

## LC503TBG1-15H-A

### Features

5mm Package  
High Luminous Intensity  
High Optical Power  
All Plastic Mold Type  
Water Clear Lens  
Lead Free

### Applications

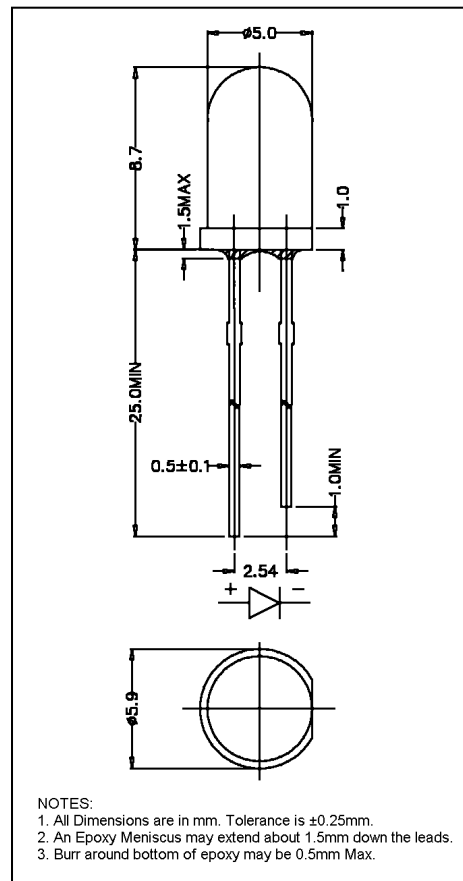
Decorative Lighting  
General Purpose Lighting  
Indoor Message Centers  
Instrumentation  
Medical Equipment

### Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I <sub>F</sub>	25	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	100.00	mW
Operating Temperature	T <sub>opr</sub>	-40 ~ +95	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	°C
Soldering Temperature	T <sub>sol</sub>	260	°C
Soldering Time	—	for 3 sec. max	—

### Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	—	3.40	4.00	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	—	—	100	μA
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> =20mA	12000.00	20000.00	—	mcd
Viewing Angle	2θ <sup>1/2</sup>	—	—	15°	—	deg.
Peak Wavelength	λ <sub>p</sub>	I <sub>F</sub> =20mA	—	502	—	nm
Dominant Wavelength	λ <sub>d</sub>	I <sub>F</sub> =20mA	—	505	—	nm
Spectral Line Half Width	Δλ	I <sub>F</sub> =20mA	—	38	—	nm



## LC503TBG1-15H-A Graphs

