

## Features

- High intensity
- Wide viewing angle
- General purpose leads
- Reliable and rugged

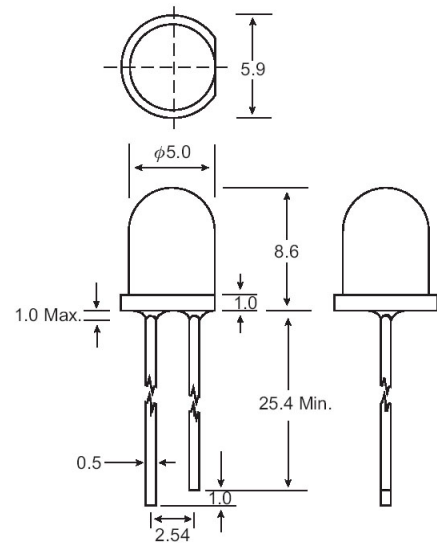
## Absolute Maximum Ratings at Ta=25

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	
Storage Temperature Range	-40 to +80	
Lead Soldering Temperature [4mm(.157") From Body]	260 for 5 Seconds	

### Notes:

1. All dimensions are in millimeters (inches).
2. Protruded resin under flange is 1.0mm (.04") max.
3. Lead spacing is measured where the leads emerge from the package.
4.  $\theta_{1/2}$  the off-axis angle at which the luminous intensity is half the axial luminous intensity
5. Specifications are subject to change without notice.

## Package Dimensions



Unit: mm (inches)

Tolerance:  $\pm 0.25\text{mm}$  (.010") max.

Part No.	Lens Color	Peak Wavelength $\lambda_p$ (nm)	Spectral Line Half-Width $\lambda$ (nm)	Forward Voltage Vf (V)		Radiant Intensity $I_e$ (mW/Sr)		Viewing Angle $2\theta_{1/2}$ (Deg) (Note 4)
				Min	Typ	Min	Typ	
EL-503IC-H3	Water Clear	940	50	1.0	1.3	15	30	30
EL-503IR-A03	Water Clear	940	50	1.0	1.2	75	100	45
EL-503IR-L03	Water Clear	940	50	1.0	1.2	90	110	23
EL-503IR-914	Water Clear	850	42	1.2	1.8	120	150	16
EL-504IRT-B2	Blue Transparent	940	50	1.0	1.2	5.0	8.0	44
EL-504IRT-914	Blue Transparent	850	42	1.2	1.8	120	150	18

### Parameter

Peak Emission Wavelength  
Radiant Intensity  
Spectral Line Half-Width  
Forward Voltage

### Test Condition

$I_f = 20\text{mA}$   
 $I_f = 20\text{mA}$   
 $I_f = 20\text{mA}$   
 $I_f = 20\text{mA}$