

## Features

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

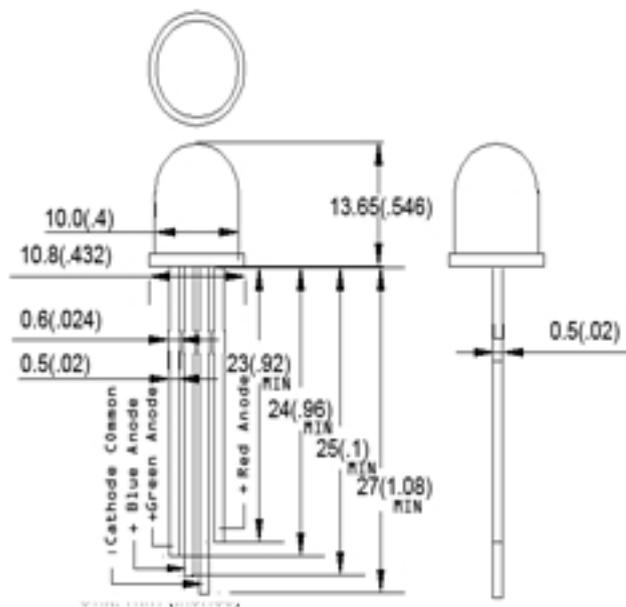
## Package Dimensions

### Absolute Maximum Ratings at Ta=25°C

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°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	

#### 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. Specifications are subject to change without notice.



Tolerance: ±0.25mm (.010") max

Part No.	Emitting Color	Lens Color	Peak Wavelength $\lambda_p$ (nm)	Vf (V) $I_f = 20\text{mA}$ (Note E1)		Iv (mcd) (Note E2)		Viewing Angle $2\theta_{1/2}$ (Deg) (Note E3)
				Min	Typ	Min	Typ	
EL-10RGB252	Ultra-Red	Water Clear	645	1.6 – 2.0		1000 – 1300		45
	Ultra -Green		520	2.8 – 3.6		1500 – 1900		40
	Ultra-Blue		460	2.8 – 3.6		850 – 1100		40
EL-10RGB454	Ultra-Red	White Diffused	645	1.6 – 2.0		400 – 550		70
	Ultra -Green		518	2.8 – 3.6		700 – 1000		70
	Ultra-Blue		460	2.8 – 3.6		600 – 750		70

Parameter	Test Condition
Luminous Intensity	$I_f = 20\text{mA}$ (Note E1). Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.)
Dominant Wavelength	$I_f = 20\text{mA}$ (Note E2: The dominant wavelength ( $\lambda_d$ ) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.)
Peak Emission Wavelength	$I_f = 20\text{mA}$
Viewing Angle	(Note E3. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.)
Spectral Line Half-Width	$I_f = 20\text{mA}$
Forward Voltage	$I_f = 20\text{mA}$
Reverse Current	$I_r = 20\text{mA}$