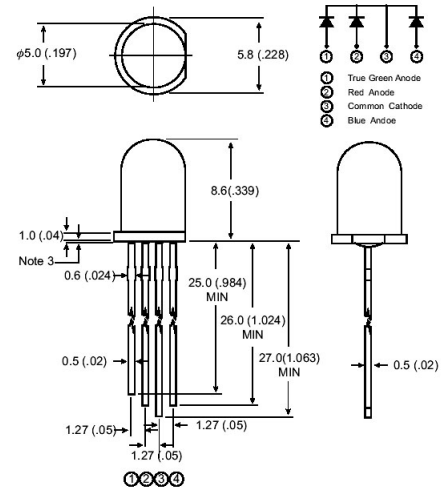


Features

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

Package Dimensions



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:

- All dimensions are in millimeters (inches).
- Protruded resin under flange is 1.0mm (.04") max.
- Lead spacing is measured where the leads emerge from the package.
- Specifications are subject to change without notice.

Unit: mm (inches)

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

Part No.	Emitting Color	Lens Color	Peak Wavelength λ_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-5RGB252	Ultra-Red	Water Clear	645	1.6 – 2.0		1000 – 1200		45
	Ultra -Green		518	2.8 – 3.6		1500 – 1800		40
	Ultra-Blue		460	2.8 – 3.6		850 – 1000		40
EL-5RGB454	Ultra-Red	White Diffused	645	1.6 – 2.0		450 – 600		65
	Ultra -Green		518	2.8 – 3.6		750 – 1000		65
	Ultra-Blue		460	2.8 – 3.6		650 – 800		65

Parameter

Luminous Intensity

Dominant Wavelength

Peak Emission Wavelength

Viewing Angle

Spectral Line Half-Width

Forward Voltage

Reverse Current

Test Condition

$I_f = 20\text{mA}$ (Note E1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.)

$I_f = 20\text{mA}$ (Note E2: The dominant wavelength (λ_d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.)

$I_f = 20\text{mA}$

(Note E3. $_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.)

$I_f = 20\text{mA}$

$I_f = 20\text{mA}$

$I_f = 20\text{mA}$