

Features

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

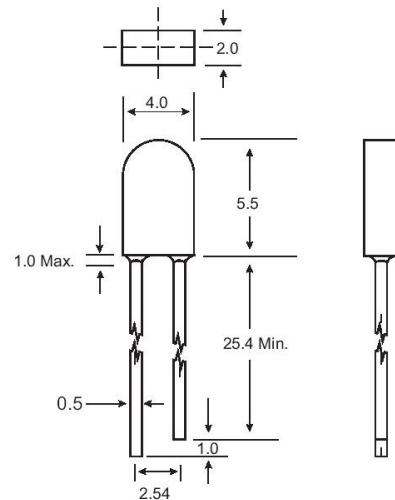
Absolute Maximum Ratings at Ta=25°C

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.

Package Dimensions



Unit: mm (inches)

Tolerance: ± 0.25mm (.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-2.5R652	Ultra-Red	Water Clear	645	1.6	1.95	750	1000	65
EL-2.5G652	Ultra-Green	Water Clear	645	1.7	2.2	300	650	65
EL-2.5Y652	Ultra-Yellow	Water Clear	588	1.7	1.95	550	1300	65
EL-2.5A652	Ultra-Orange	Water Clear	603	1.6	1.95	250	500	65
EL-2.5B652	Ultra-Blue	Water Clear	465	2.8	3.6	650	1000	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. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.)

$I_f = 20\text{mA}$

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