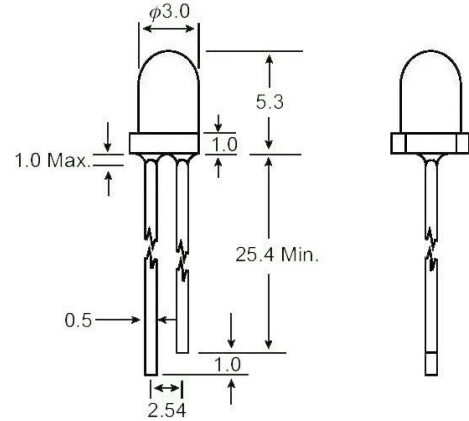
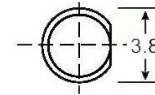


Features

- 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.

Unit: mm (inches)

Tolerance: ±0.25mm (.010") max

(Ta=25°C)

Part No.	Emitting Color	Lens Color	Peak Wavelength λ_p (nm)	Vf (V) I _f = 20mA (Note E1)		Iv (mcd) (Note E2)		Viewing Angle 2 $\theta_{1/2}$ (Deg) (Note E3)
				Min	Typ	Min	Typ	
EL-3R641	Red	Red Diffused	660	1.6 – 1.8		200 – 450		60
EL-3G641	Green	Green Diffused	568	1.7 – 2.2		40 – 75		60
EL-3Y641	Yellow	Yellow Diffused	588	1.7 – 2.0		150 – 400		60
EL-3O641	Orange	Orange Diffused	610	1.7 – 2.1		180 – 450		60
EL-3R242	Red	Water Clear	660	1.6 – 1.8		150 – 850		20
EL-3G242	Green	Water Clear	568	1.7 – 2.2		120 – 400		20
EL-3Y242	Yellow	Water Clear	588	1.7 – 2.0		200 – 800		20
EL-3O242	Orange	Water Clear	610	1.7 – 2.1		350 – 800		20
EL-3R243	Red	Red Transparent	660	1.6 – 1.8		150 – 850		20
EL-3G243	Green	Green Transparent	568	1.7 – 2.2		120 – 400		20
EL-3Y243	Yellow	Yellow Transparent	588	1.7 – 2.0		200 – 800		20

Parameter

Luminous Intensity

Viewing Angle

Peak Emission Wavelength

Dominant Wavelength

Spectral Line Half-Width

Forward Voltage

Reverse Current

Test Condition

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

(Note E2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.)

I_f = 20mA

I_f = 20mA (Note E3: 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 = 20mA

I_f = 20mA

I_f = 20mA