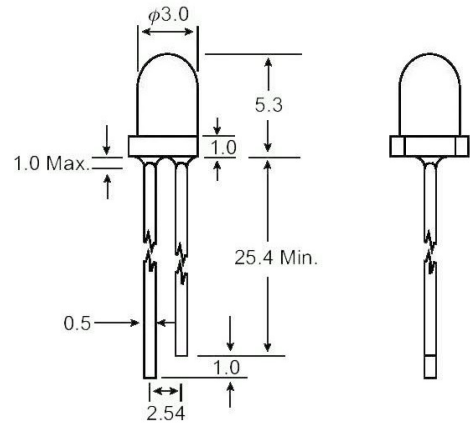
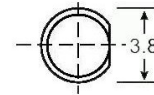


Features

- 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

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-3R651	Red	Red Diffused	645	1.6 – 1.8		500 – 800		60
EL-3G651	Green	Green Diffused	568	1.7 – 2.2		200 – 400		60
EL-3Y651	Yellow	Yellow Diffused	588	1.7 – 2.0		500 – 1000		60
EL-3O651	Orange	Orange Diffused	612	1.6 – 1.9		400 – 750		60
EL-3R252	Red	Water Clear	645	1.6 – 1.8		1000 – 2000		18
EL-3G252	Green	Water Clear	568	1.7 – 2.2		500 – 1000		18
EL-3Y252	Yellow	Water Clear	588	1.7 – 2.0		850 – 1500		18
EL-3O252	Orange	Water Clear	610	1.6 – 2.0		1000 – 2600		18
EL-3R253	Red	Red Transparent	645	1.6 – 1.8		1000 – 2000		18
EL-3G253	Green	Green Transparent	568	1.7 – 2.2		450 – 850		18
EL-3Y253	Yellow	Yellow Transparent	588	1.7 – 2.0		850 – 1500		18
EL-3O253	Orange	Orange Transparent	610	1.6 – 2.0		1000 – 2600		18

Parameter

Luminous Intensity

Dominant Wavelength

Peak Emission Wavelength

Viewing Angle

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.)

I_f = 20mA (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 = 20mA

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

I_f = 20mA

I_r = 20mA

I_r = 20mA