MEGA-BRIGHT TYPE LED

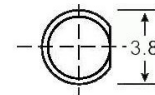## Features

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

Package Dimensions

Unit: mm (inches)

Tolerance: ±0.25mm (.010") max

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	
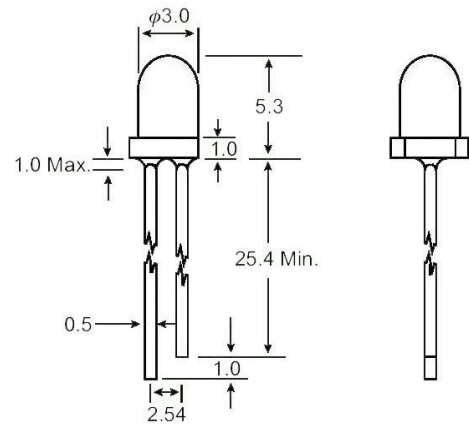
Notes:

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.

Part No.	Emitted Color	Lens Color	Peak Wavelength λp (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-3AR252	Ultra-Amber Red	Water Clear	645	1.8 – 2.3		4000 – 8500		18
EL-3SY252	Ultra-Yellow	Water Clear	596	1.8 – 2.2		6000 – 12000		18
EL-3PG252	Ultra-Pure Green	Water Clear	525	2.8 – 3.6		2000 – 5000		18
EL-3BG252	Ultra-Bluish Green	Water Clear	508	2.8 – 3.6		4500 – 6500		18
EL-3B252	Ultra-Blue	Water Clear	470	2.8 – 3.6		1500 – 2500		18
EL-3B242	Super-Blue	Water Clear	468	2.8 – 3.6		1000 – 1500		18
EL-3W252	Ultra-White	Water Clear	X-0.28, Y-0.28	2.8 – 3.6		1500 – 7000		18
EL-3W654	Ultra-White	White Diffused	X-0.28, Y-0.28	2.8 – 3.6		1200 – 2500		60

Parameter	Test Condition
Luminous Intensity	I_f = 20mA (Note E1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.)
Dominant Wavelength	I_f = 20mA (Note E2: The dominant wavelength (λd) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.)
Peak Emission Wavelength	I_f = 20mA
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 = 20mA
Forward Voltage	I_f = 20mA
Reverse Current	I_f = 20mA