



OptoSupply

Light It Up

3mm Red Housing LED

OSR6LU3E34X-3F1A

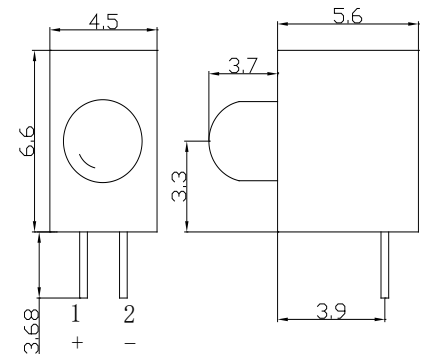
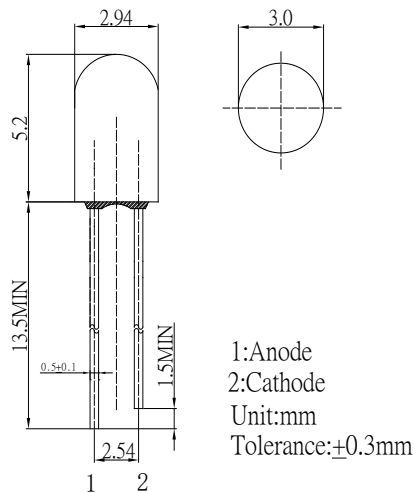
■Features

- High Luminous LEDs
- 3mm Round Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Holder Color: Black
- Color Diffused Type

■Applications

- Indicate Lamp
- Toys/Games/ Audio
- General Use

■Outline Dimension



LED + Holder Outline Dimension

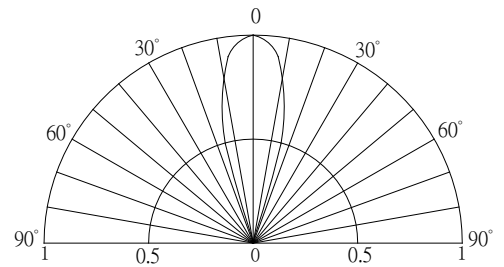
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current#	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	78	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	260°C/5sec	-

#Pulse width Max 10ms , Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*	V_F	$I_F=20\text{mA}$	1.8	2.1	2.6	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength*	λ_D	$I_F=20\text{mA}$	630	640	650	nm
Luminous Intensity*	I_v	$I_F=20\text{mA}$	100	150	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	30	-	deg

*1 Tolerance of measurements of dominant wavelength is ± 1 nm

*2 Tolerance of measurements of luminous intensity is $\pm 15\%$

*3 Tolerance of measurements of forward voltage is ± 0.1 V

LED & Application Technologies

