

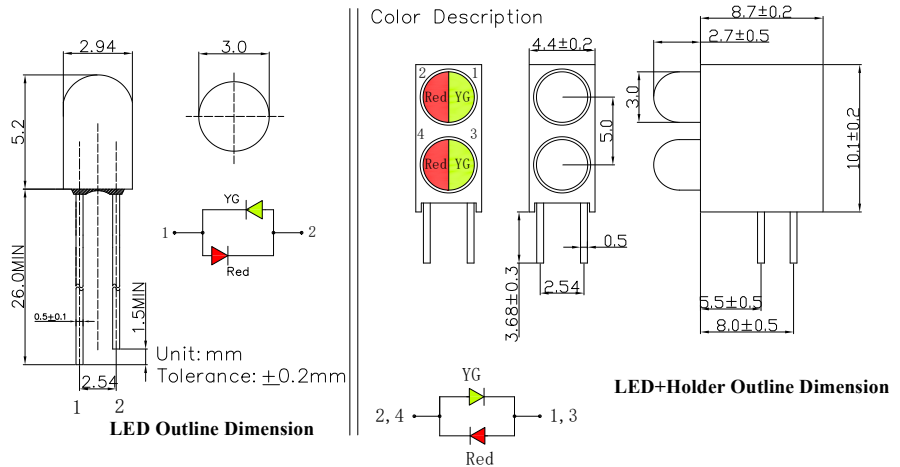
**Features**

- High Luminous LEDs
- 3mm Round Standard Directivity
- UV Resistant Epoxy
- White Diffused Type
- Holder Color: Black
- Bi-polar

**Applications**

- Indicate Lamp
- Toys/Games/ Audio
- Other Lighting

**Outline Dimension**



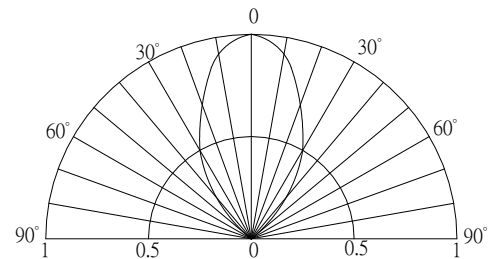
**Absolute Maximum Rating**

(Ta=25°C)

Item	Symbol	Value		Unit
		Red	YG	
DC Forward Current	I <sub>F</sub>	30	30	mA
Pulse Forward Current#	I <sub>FP</sub>	100	100	mA
Reverse Voltage	V <sub>R</sub>	5	5	V
Power Dissipation	P <sub>D</sub>	78	78	mW
Operating Temperature	T <sub>opr</sub>	-30~ +85		°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100		°C
Lead Soldering Temperature	T <sub>sol</sub>	260°C/5sec		-

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

**Directivity**



**Electrical -Optical Characteristics**

(Ta=25°C)

Item	Symbol	Conditio	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V <sub>F(Red/YG)</sub>	I <sub>F</sub> =20mA	-	2.1	2.6	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	10	μA
Domi. Wavelength*2	λ <sub>D(Red)</sub>	I <sub>F</sub> =20mA	620	625	630	nm
	λ <sub>D(YG)</sub>	I <sub>F</sub> =20mA	565	570	575	nm
Luminous Intensity*3	I <sub>v(Red)</sub>	I <sub>F</sub> =20mA	68	100	-	mcd
	I <sub>v(YG)</sub>	I <sub>F</sub> =20mA	30	45	-	mcd
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =20mA	-	60	-	deg

\*1 Tolerance of measurements of forward voltage is  $\pm 0.1$ V

\*2 Tolerance of measurements of dominant wavelength is  $\pm 1$ nm

\*3 Tolerance of measurements of luminous intensity is  $\pm 15$ %

LED & Application Technologies

