

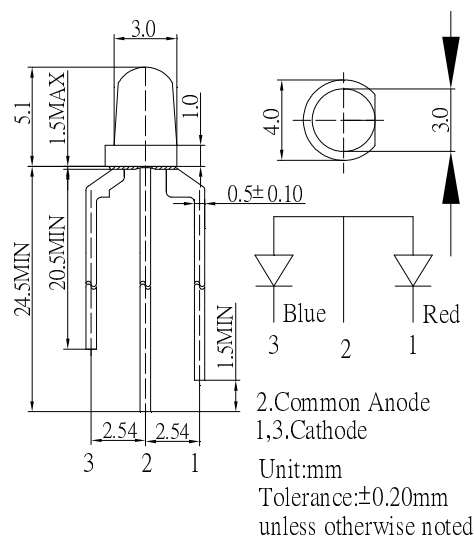
■Features

- High Luminous LEDs
- 3mm Bullet Bi-color Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

- Toys
- Games
- Audio
- Other Lighting

■Outline Dimension



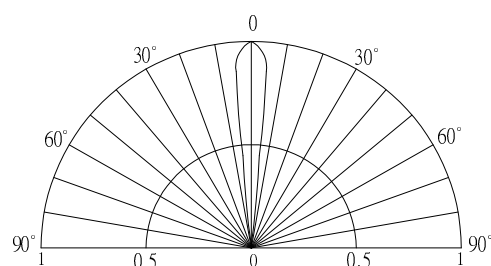
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		Red	Blue	
DC Forward Current	I _F	50	30	mA
Pulse Forward Current#	I _{FP}	120	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	130	108	mW
Operating Temperature	Topr	-30~ +85		°C
Storage Temperature	Tstg	-40 ~ +100		°C
Lead Soldering Temperature	Tsol	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 (Red)	I _F =30mA	-	2.1	2.6	V
	V _F (Blue)	I _F =30mA	-	3.1	3.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength*	λ _D (Red)	I _F =30mA	620	625	630	nm
	λ _D (Blue)	I _F =30mA	465	470	475	nm
Luminous Flux*	Φ _v (Red)	I _F =30mA	3.5	4.5	-	lm
	Φ _v (Blue)	I _F =30mA	2.5	3.0	-	lm
Luminous Intensity*	I _v (Red)	I _F =30mA	18000	22000	-	mcd
	I _v (Blue)	I _F =30mA	8400	10000	-	mcd
50% Power Angle	2θ _{1/2}	I _F =30mA	-	15	-	deg

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

*2 Tolerance of measurements of luminous intensity / luminous flux is ±15%

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

LED & Application Technologies

