

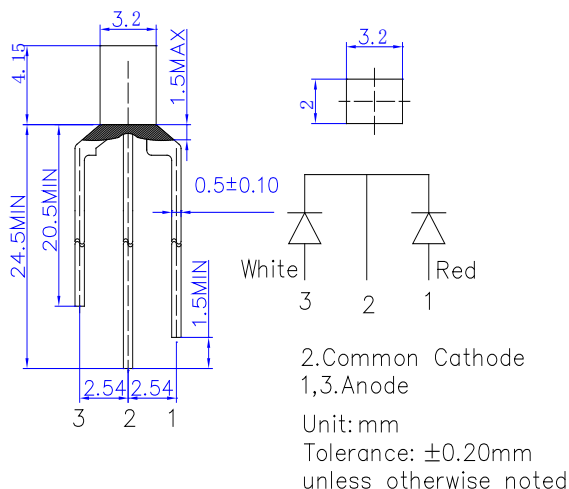
■ Features

- High Luminous LEDs
- 2x3x4mm Rectangular Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

- Toys
- Games
- Audio
- Other Lighting

■ Outline Dimension



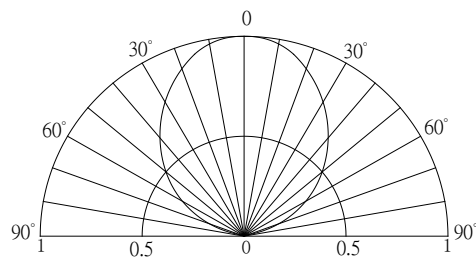
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		Red	Warm White	
DC Forward Current	I _F	30	30	mA
Pulse Forward Current#	I _{FP}	100	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	78	102	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

($T_a=25^{\circ}\text{C}$)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V _F (Red)	I _F =20mA	-	2.1	2.6	V
	V _F (W)	I _F =20mA	-	2.9	3.4	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength*2	λ _D (Red)	I _F =20mA	620	625	630	nm
Color Temperature*3	CC _T (W)	I _F =20mA	2700	3000	3300	K
Luminous Intensity*4	I _v (Red)	I _F =20mA	500	750	-	mcd
	I _v (W)	I _F =20mA	750	1120	-	mcd
50% Power Angle	2θ _{1/2}	I _F =20mA	-	100	-	deg

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

*2 Tolerance of measurements of dominant wavelength is +1 nm

*3 Tolerance of measurements of color temperature +10%

*4 Tolerance of measurements of luminous intensity is +15%