

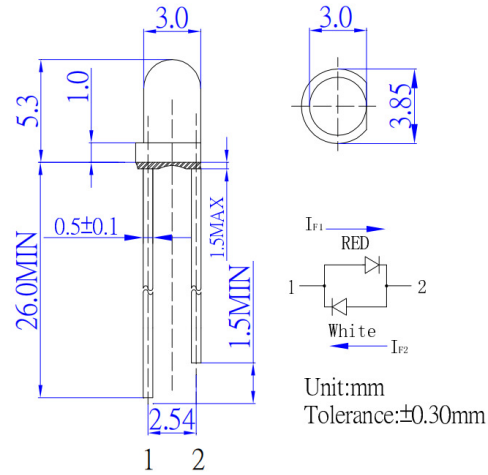
■Features

- High Luminous LEDs
- 3mm Round Standard Directivity
- UV Resistant Epoxy
- White Diffused Type
- Bi-polar AC LED

■Applications

- Toys
- Games
- Audio
- Other Lighting

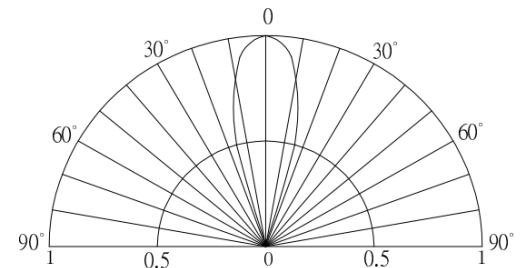
■Outline Dimension



■Absolute Maximum Rating (Ta=25°C)

Item	Sym bol	Value		Unit
		Red	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	108	mW
Operating Temperature	Topr	-30~ +85		°C
Storage Temperature	Tstg	-40 ~ +100		°C
Lead Soldering Temperature	Tsol	260°C/5sec		-

■Directivity



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

■Electrical -Optical Characteristics (Ta=25°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 (White)	I _F =20mA	-	3.1	3.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Dom. Wavelength*2	λ _D (Red)	I _F =20mA	620	625	630	nm
Color Temperature*3	CCT(White)	I _F =20mA	8500	10000	18000	K
Chromaticity Coordinates	x(White)	I _F =20mA	-	0.28	-	
	y(White)	I _F =20mA	-	0.30	-	
Luminous Intensity*4	I _v (Red)	I _F =20mA	1120	1560	-	mcd
	I _v (White)	I _F =20mA	1560	2180	-	mcd
50% Power Angle	2θ1/2	I _F =20mA	-	30	-	deg

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

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

*3 Tolerance of measurements of color temperature ±10%

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

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