

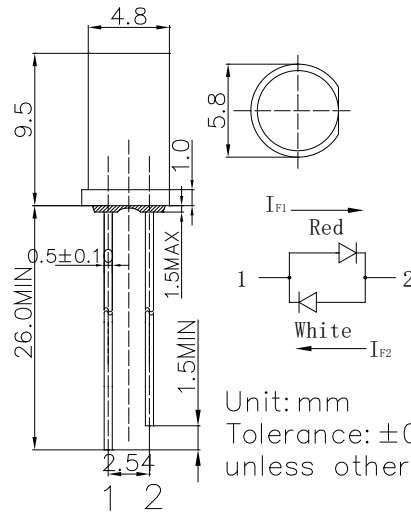
■Features

- High Luminous LEDs
- 5mm Cylinder Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- White Diffused Type
- Bi-polar Type

■Applications

- Toys
- Audio
- Games
- Other Lighting

■Outline Dimension



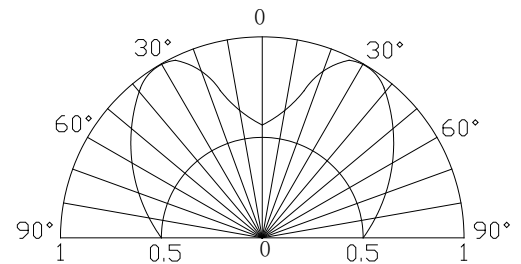
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		Red	White	
DC Forward Current	I_F	50	30	mA
Pulse Forward Current#	I_{FP}	100	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	130	102	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*1	V_F (Red)	$I_F=20\text{mA}$	-	2.1	2.6	V
	V_F (White)	$I_F=20\text{mA}$	-	2.9	3.4	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength*2	λ_D (Red)	$I_F=20\text{mA}$	620	625	630	nm
	CCT(White)	$I_F=20\text{mA}$	5500	6500	8500	K
Luminous Intensity*3	I_v (Red)	$I_F=20\text{mA}$	330	500	-	mcd
	I_v (White)	$I_F=20\text{mA}$	750	1120	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	180	-	deg

*1 Tolerance of measurements of color temperature $\pm 10\%$

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

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

*4 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$