

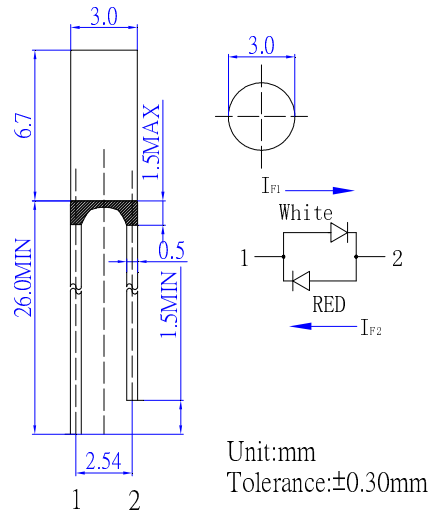
■Features

- High Luminous LEDs
- 3mm Flat Top Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy/ White Diffused Type
- Bi-polar AC LED

■Applications

- Toys
- Audio
- Games
- Other Lighting

■Outline Dimension



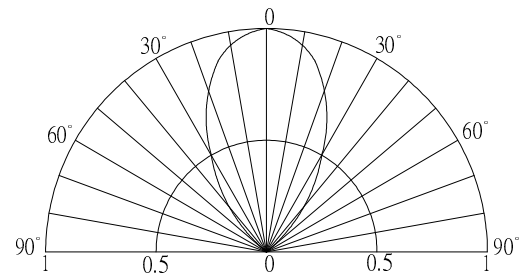
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		RED	White	
DC Forward Current	I_F	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	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	NO.	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*	RED	V_{F2}	$I_{F2}=20mA$	1.8	2.1	2.6	V
	White	V_{F1}	$I_{F1}=20mA$	2.9	3.1	3.6	V
Domi. Wavelength*	RED	λ_{D2}	$I_{F2}=20mA$	620	625	630	nm
	White	CCT	$I_{F1}=20mA$	3000K		-	-
Luminous Intensity*	RED	I_{V2}	$I_{F2}=20mA$	750	1120	-	mcd
	White	I_{V1}	$I_{F1}=20mA$	750	1120	-	mcd
50% Power Angle	RED	$2\theta_{1/2}$	$I_{F2}=20mA$	-	60	-	deg
	White	$2\theta_{1/2}$	$I_{F1}=20mA$	-	60	-	deg

*1 Tolerance of measurements of chromaticity coordinate is +10%

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

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

*4 Tolerance of measurements of forward voltage is +0.1V