

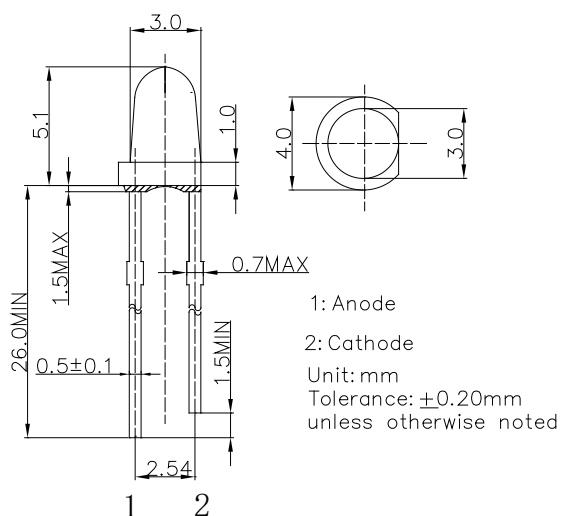
■ Features

- Ultra Bright LED
- 3mm Bullet Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Water Clear Type

■ Applications

- Electronic Signs and Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■ Outline Dimension

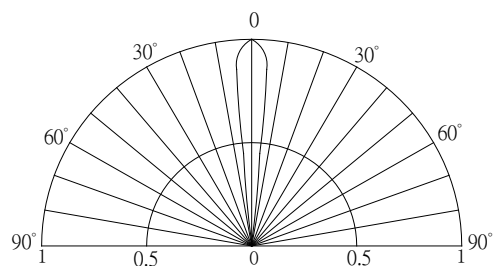


■ Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	50	mA
Pulse Forward Current#	I_{FP}	120	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	130	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	$I_F=20\text{mA}$	-	2.1	2.6	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Luminous Flux*2	Φ_v	$I_F=20\text{mA}$	4	5	-	lm
Luminous Intensity*3	I_v	$I_F=20\text{mA}$	40000	50000	-	mcd
Domi. Wavelength*4	λ_p	$I_F=20\text{mA}$	600	605	610	nm
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	15	-	deg

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

*2 Tolerance of measurements of luminous flux is $\pm 15\%$

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

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