

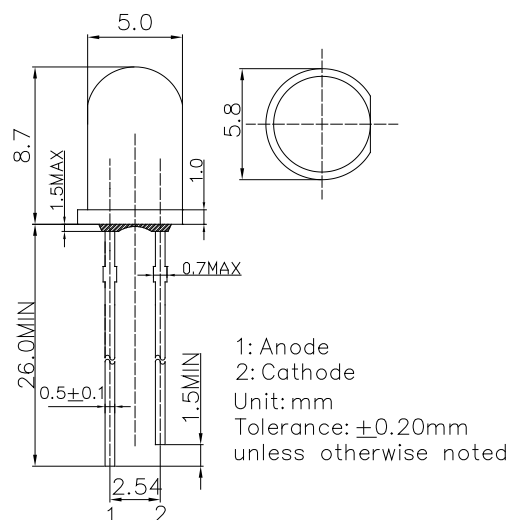
■ Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

- Traffic signal, Portable light source
- Signage and channel letter
- Decorating and entertainment lighting
- Architectural lighting
- Outdoor/Indoor applications/Other Lighting

■ Outline Dimension

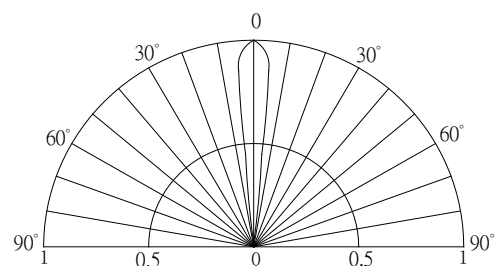


■Absolute Maximum Rating

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	-

(Ta=25°C)

■ Directivity



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

■Electrical -Optical Characteristics

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V _F	I _F =20mA	-	2.1	2.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength*2	λ _D	I _F =20mA	620	625	630	nm
Luminous Intensity*3	I _v	I _F =20mA	14400	18000	-	mcd
50% Power Angle	2θ _{1/2}	I _F =20mA	-	15	-	deg

(Ta=25°C)

*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 luminous intensity is $\pm 15\%$

LED & Application Technologies

