

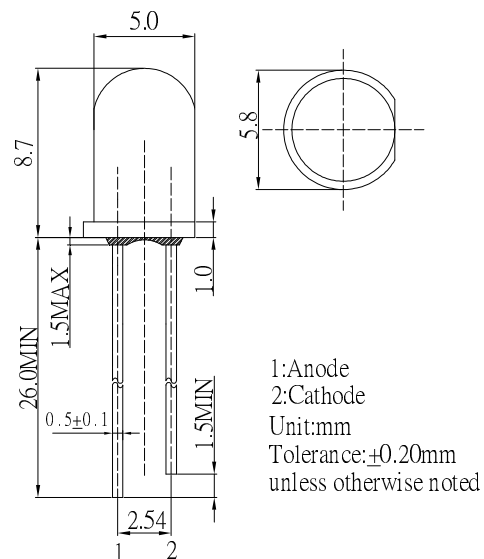
■Features

- 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

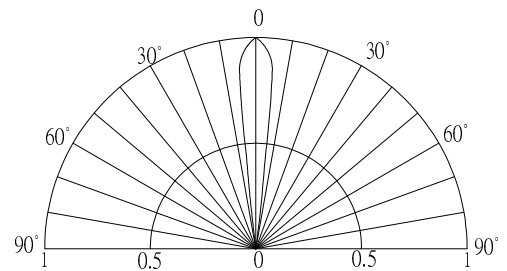


■Absolute Maximum Rating (Ta=25°C)

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	$I_F=20$ mA	1.8	2.1	2.6	V
DC Reverse Current	I_R	$V_R=5$ V	-	-	10	μ A
Domi. Wavelength*2	λ_D	$I_F=20$ mA	620	625	630	nm
Luminous Intensity*3	I_v	$I_F=20$ mA	40000	50000	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20$ mA	-	15	-	deg

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

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

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

AlGaInP LED

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

