

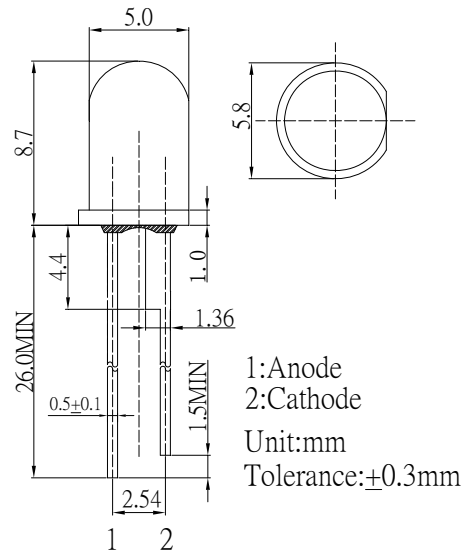
■Features

- High Luminous LEDs
- 5mm Standard Directivity
- Long Lifetime Operation
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

■Applications

- Automotive Dashboard Lighting
- Traffic Signal Lamp
- Back Lighting
- Other Lighting

■Outline Dimension

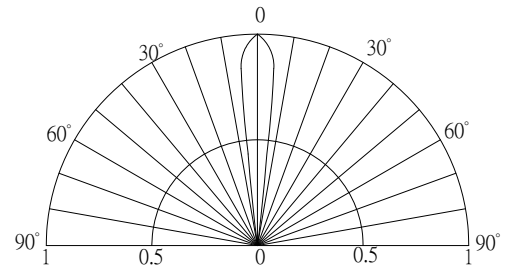


■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	50	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	190	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	V_F	$I_F=50\text{mA}$	3.0	3.3	3.8	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength	λ_D	$I_F=50\text{mA}$	520	525	530	nm
Luminous Intensity	I_v	$I_F=50\text{mA}$	80000	100000	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=50\text{mA}$	-	15	-	deg

*1 Tolerance of dominant wavelength is ± 1 nm

*2 Tolerance of luminous intensity is $\pm 15\%$

InGaN LED

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

