

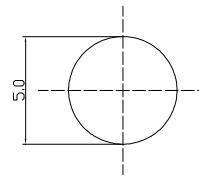
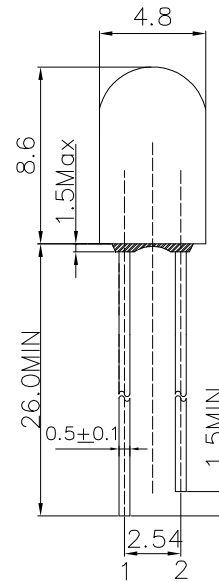
■ **Features**

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

■ **Applications**

- Automotive Dashboard Lighting
- Advertising Signs
- Consumer Products
- Other Lighting

■ **Outline Dimension**



1: Anode  
2: Cathode  
Unit: mm  
Tolerance:  $\pm 0.20$ mm  
unless otherwise noted

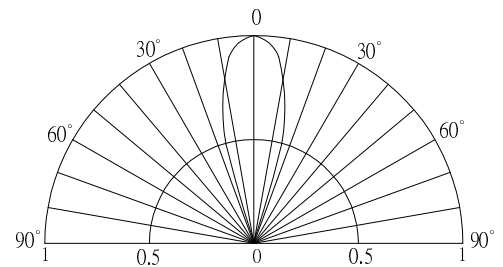
■ **Absolute Maximum Rating**

( $T_a=25^\circ\text{C}$ )

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	30	mA
Pulse Forward Current#	$I_{FP}$	100	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	102	mW
Operating Temperature	$T_{opr}$	-30 ~ +85	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 ~ +100	$^\circ\text{C}$
Lead Soldering Temperature	$T_{sol}$	260 $^\circ\text{C}$ / 5sec	-

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

■ **Directivity**



■ **Electrical -Optical Characteristics**

( $T_a=25^\circ\text{C}$ )

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	$V_F$	$I_F=20\text{mA}$	-	2.9	3.4	V
DC Reverse Current	$I_R$	$V_R=5\text{V}$	-	-	10	$\mu\text{A}$
Domi. Wavelength*2	$\lambda_D$	$I_F=20\text{mA}$	465	470	475	nm
Luminous Intensity*3	$I_v$	$I_F=20\text{mA}$	4200	5800	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	30	-	deg

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

\*2 Tolerance of measurements of dominant wavelength is  $\pm 1\text{nm}$

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

**InGaN LED**

**TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES**

