

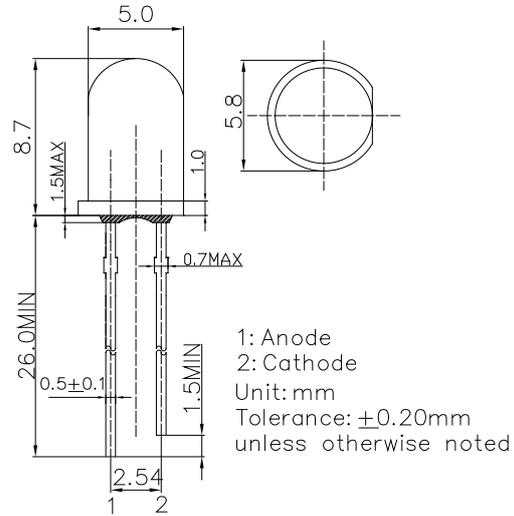
**■Features**

- Superior Light Output
- 5mm Round Standard Directivity
- Made with an Advanced Epoxy
- Long Lifetime Operation
- Fewer White Diffused Type

**■Applications**

- Electronic Signs and Signals
- Backlighting (illuminated advertising etc.)
- Reading Lamps / Emergency Lighting
- Outdoor Lighting

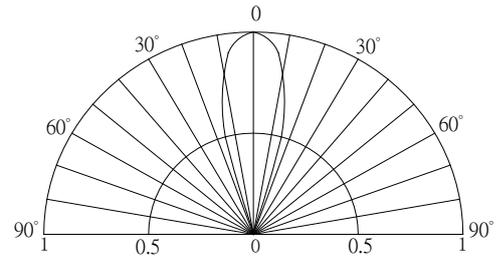
**■Outline Dimension**



**■Absolute Maximum Rating (Ta=25°C)**

Item	Symbol	Value	Unit
DC Forward Current	I <sub>F</sub>	50	mA
Pulse Forward Current#	I <sub>FP</sub>	120	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	150	mW
Operating Temperature	T <sub>opr</sub>	-40 ~ +95	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	°C
Lead Soldering Temperature	T <sub>sol</sub>	260°C/5sec	-

**■Directivity**



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

**■Electrical -Optical Characteristics (Ta=25°C)**

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V <sub>F</sub>	I <sub>F</sub> =20mA	-	2.7	3.0	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	10	μA
Luminous Intensity*2	I <sub>v</sub>	I <sub>F</sub> =20mA	12000	14400	-	mcd
Color Temperature*3	CCT	I <sub>F</sub> =20mA	2700	3000	3300	K
Chromaticity Coordinates*4	x	I <sub>F</sub> =20mA	-	0.44	-	
	y	I <sub>F</sub> =20mA	-	0.41	-	
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =20mA	-	30	-	deg

\*1 Tolerance of measurements of forward voltage is ±0.1V  
 \*2 Tolerance of measurements of luminous intensity is ±15%  
 \*3 Tolerance of measurements of color temperature ±10%  
 \*4 Tolerance of measurements of chromaticity coordinates ±10%

**InGaN LED**

**TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES**

