

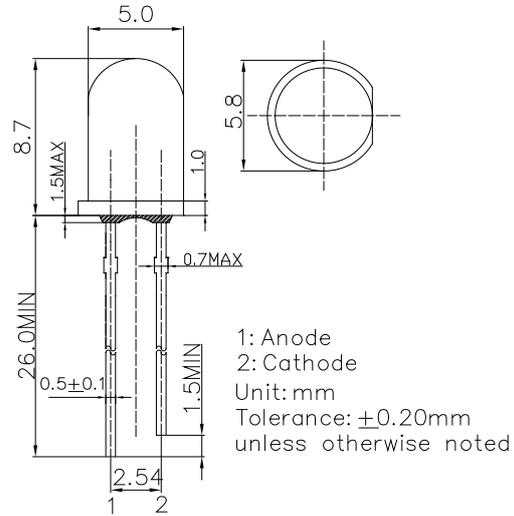
■Features

- 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

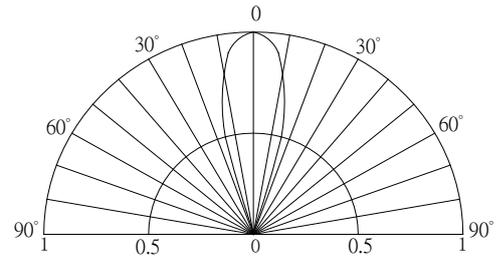
■Outline Dimension



■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	50	mA
Pulse Forward Current#	I _{FP}	120	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	150	mW
Operating Temperature	T _{opr}	-40 ~ +95	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T _{sol}	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 _F	I _F =20mA	-	2.7	3.0	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Luminous Intensity*2	I _v	I _F =20mA	12000	14400	-	mcd
Color Temperature*3	CCT	I _F =20mA	-	6500	-	K
Chromaticity Coordinates*4	x	I _F =20mA	-	0.31	-	
	y	I _F =20mA	-	0.33	-	
50% Power Angle	2θ _{1/2}	I _F =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

