

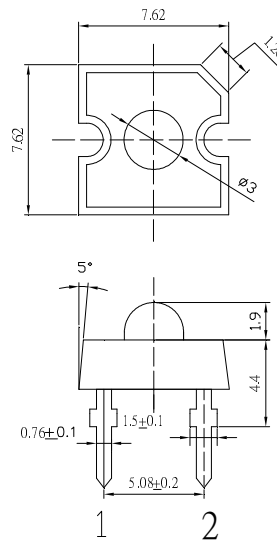
**■Features**

- High Luminous Super Flux Output
- 3  $\phi$  Standard Directivity
- Long Lifetime Operation
- Low Thermal Resistance
- UV Resistant Epoxy
- Water Clear Type

**■Applications**

- Interior and exterior automotive lighting (e.g. dashboard backlighting etc.)
- Backlighting (Illuminated advertising, general lighting, etc)
- Decorative Lighting
- Other Lighting

**■Outline Dimension**



Unit:mm  
Tolerance:±0.20mm  
unless otherwise noted  
1,4 Anode  
2,3 Cathode

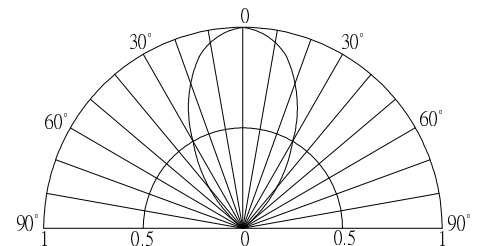
**■Absolute Maximum Rating**

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I <sub>F</sub>	50	mA
Pulse Forward Current#	I <sub>FP</sub>	100	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	180	mW
Operating Temperature	T <sub>opr</sub>	-30 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	°C
Lead Soldering Temperature	T <sub>sol</sub>	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 <sub>F</sub>	I <sub>F</sub> =30mA	2.8	3.1	3.6	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	10	μA
Domi. Wavelength*2	λ <sub>D</sub>	I <sub>F</sub> =30mA	465	470	475	nm
Luminous Intensity*3	I <sub>v</sub>	I <sub>F</sub> =30mA	4000	5000	-	mcd
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =30mA	-	60	-	deg

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

\*2 Tolerance of measurements of dominant wavelength is ±1nm

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

**InGaN LED**

**TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES**

