

### ■Features

- High Luminous Super Flux Output
- 5 ° Standard Directivity
- Long Lifetime Operation
- Low Thermal Resistance
- Superior Weather-Resistance
- UV Resistant Epoxy
- Water Clear Type

### ■Applications

- Automotive tail, stop, turn signal lamps and interior lighting
- Signage and channel letter
- Decoration and entertainment lighting
- Architectural lighting
- Other Lighting

### ■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>	182	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

### ■Electrical -Optical Characteristics

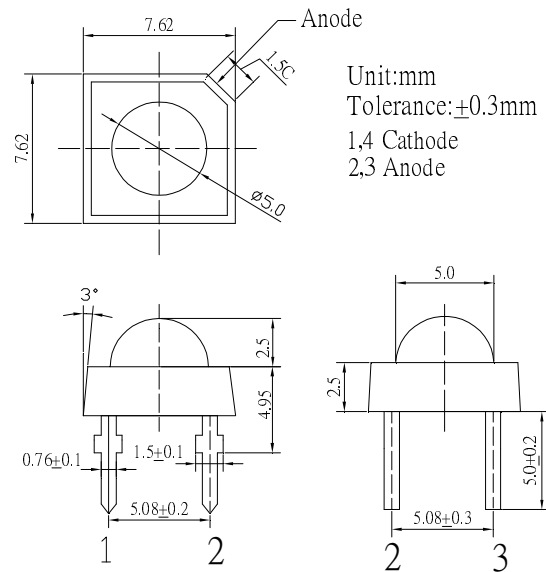
(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =50mA	1.8	2.1	2.6	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	10	μA
Domi. Wavelength*	λ <sub>D</sub>	I <sub>F</sub> =50mA	585	590	595	nm
Luminous Intensity*	I <sub>v</sub>	I <sub>F</sub> =50mA	2000	4000	6000	mcd
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =50mA	-	120	-	deg

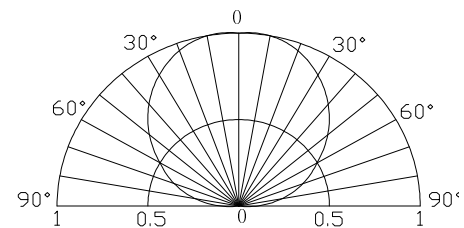
\*1 Tolerance of dominant wavelength is ±1nm

\*2 Tolerance of luminous intensity is ±15%

### ■Outline Dimension



### ■Directivity



### ■Maximum Forward Current

Maximum Permissible Forward Current T<sub>J</sub>=115°C

