

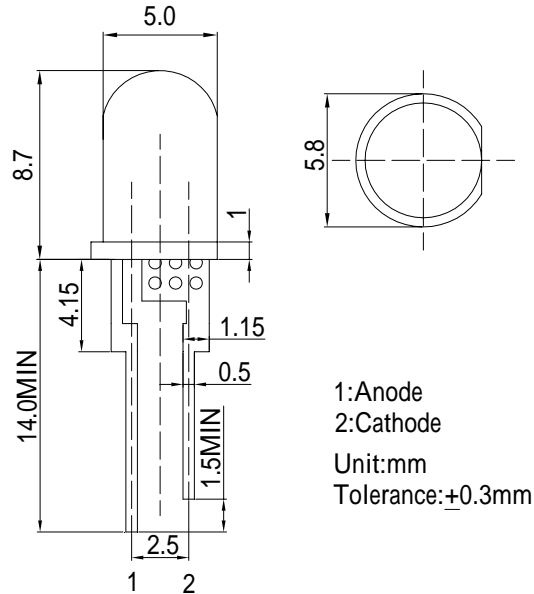
### ■Features

- Highest luminous flux
- Super energy efficiency
- Low Thermal resistance
- Water Clear Type

### ■Applications

- Read lights (car, bus, aircraft)
- Bollards / Security / Garden
- Small Area Illuminations
- In door / Out door Commercial lights
- Automotive Ext

### ■Outline Dimension



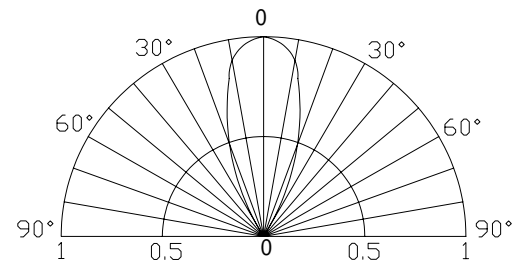
### ■Absolute Maximum Rating

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

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	120	mA
Pulse Forward Current*	$I_{FP}$	200	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	360	mW
Operating Temperature	$T_{opr}$	-30 ~ +85	
Storage Temperature	$T_{stg}$	-40~ +100	
Lead Soldering Temperature	$T_{sol}$	260 /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	$V_F$	$I_F=100\text{mA}$	2.0	2.5	3.0	V
DC Reverse Current	$I_R$	$V_R=5\text{V}$	-	-	10	$\mu\text{A}$
Domi. Wavelength*	$\lambda_D$	$I_F=100\text{mA}$	619	624	629	nm
Luminous Intensity*	$I_V$	$I_F=100\text{mA}$	-	13000	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=100\text{mA}$	-	40	-	deg

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

\*2 Tolerance of luminous intensity is  $\pm 15\%$