

■Features

- High Luminous Super Flux Output
- 5 ϕ Standard Directivity
- Long Lifetime Operation
- Low Thermal 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

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

Item	Symbol	Value	Unit
DC Forward Current	I_F	150	mA
Pulse Forward Current*	I_{FP}	200	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	570	mW
Operating Temperature	T_{opr}	-30 ~ +85	$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 ~ +100	$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	260 $^\circ\text{C}$ /5sec	-

*Pulse width Max.10ms Duty ratio max 1/10

■Electrical -Optical Characteristics

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

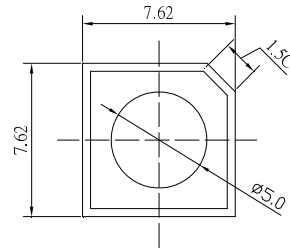
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F=150\text{mA}$	2.9	3.2	3.8	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength*	λ_D	$I_F=150\text{mA}$	520	525	530	nm
Luminous Flux*	Φ_v	$I_F=150\text{mA}$	20	30	-	lm
50% Power Angle	$2\theta_{1/2}$	$I_F=150\text{mA}$	-	80	-	deg

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

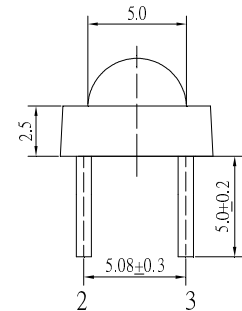
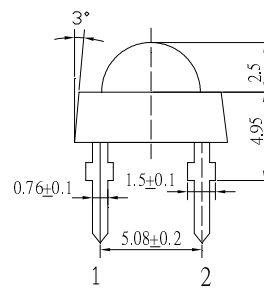
*2 Tolerance of measurements of luminous flux is $\pm 15\%$

*3 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$

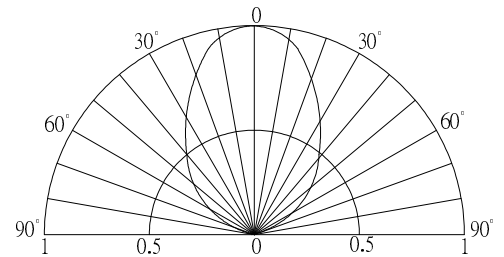
■Outline Dimension



Unit:mm
Tolerance: $\pm 0.3\text{mm}$
1,4 Anode
2,3 Cathode



■Directivity



■Maximum Forward Current

