

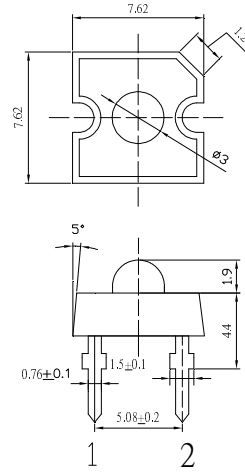
■Features

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

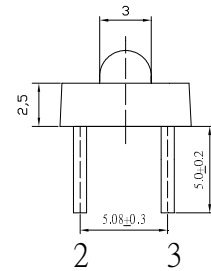
■Applications

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



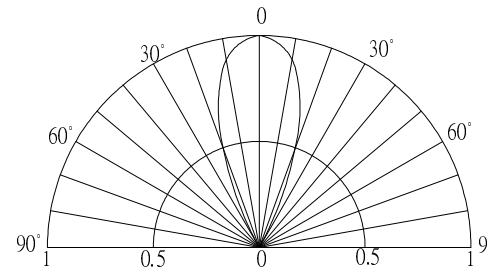
■Absolute Maximum Rating

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

Item	Symbol	Value	Unit
DC Forward Current	I_F	80	mA
Pulse Forward Current#	I_{FP}	120	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	288	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

■Directivity



■Electrical -Optical Characteristics

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

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V_F	$I_F=70\text{mA}$	2.8	3.3	3.6	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength*2	λ_D	$I_F=70\text{mA}$	520	525	530	nm
Luminous Flux*3	Φ_v	$I_F=70\text{mA}$	14.5	17	-	lm
Luminous Intensity*4	I_v	$I_F=70\text{mA}$	22000	25000	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=70\text{mA}$	-	40	-	deg

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

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

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

*4 Tolerance of measurements of luminous intensity is $\pm 15\%$