

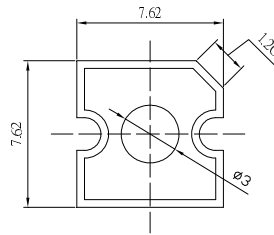
■Features

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

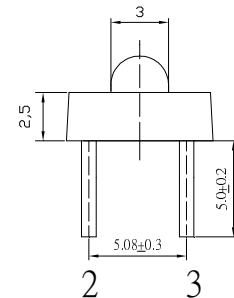
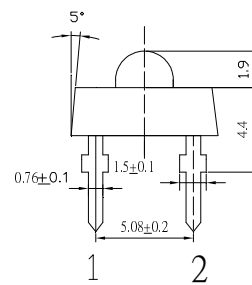
■Applications

- Signage and channel letter
- Decorating and entertainment lighting
- Architectural lighting
- Outdoor/Indoor applications
- Backlighting/Other Lighting

■Outline Dimension



Unit:mm
Tolerance: ± 0.3 mm
1,4 Cathode
2,3 Anode



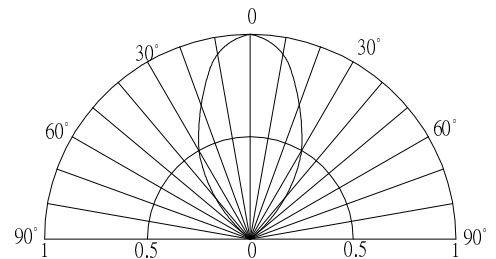
■Absolute Maximum Rating

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

Item	Symbol	Value	Unit
DC Forward Current	I_F	70	mA
Pulse Forward Current#	I_{FP}	120	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	224	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	V_F	$I_F=70\text{mA}$	2.0	2.4	2.8	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength*	λ_D	$I_F=70\text{mA}$	585	590	595	nm
Luminous Intensity*	I_v	$I_F=70\text{mA}$	12000	14400	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=70\text{mA}$	-	60	-	deg

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

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

*3 Tolerance of measurements of forward voltage is ± 0.1 V

■Maximum Forward DC Current

Maximum Permissible Forward Current $T_j=115^{\circ}\text{C}$

