

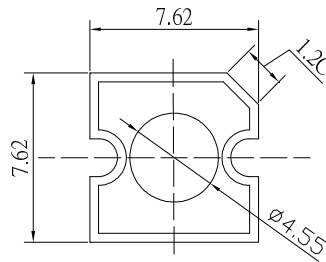
■Features

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

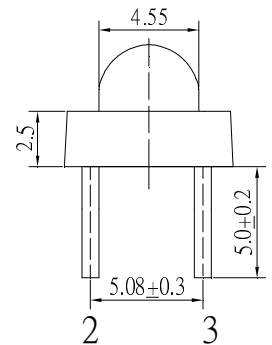
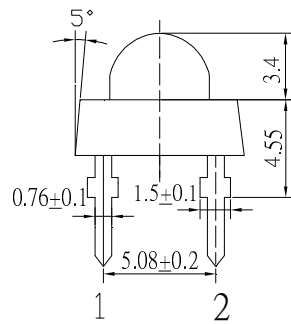
■Applications

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

■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	50	mA
Pulse Forward Current#	I_{FP}	120	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	130	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

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

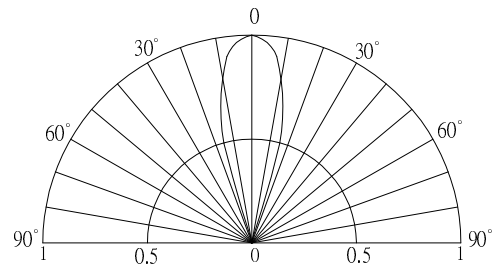
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*	V_F	$I_F=50\text{mA}$	1.8	2.1	2.6	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength*	λ_D	$I_F=50\text{mA}$	600	605	610	nm
Luminous Intensity*	I_v	$I_F=50\text{mA}$	10000	12000	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=50\text{mA}$	-	30	-	deg

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

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

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

■Directivity



■Maximum Forward Current

