

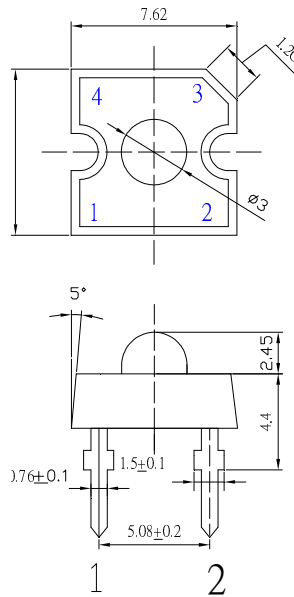
■Features

- High Radiant Power LEDs
- 3 ϕ Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Water Clear Type

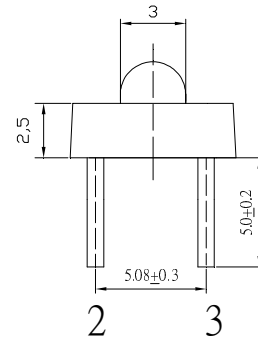
■Applications

- IrDA
- Encoder
- Data Communication
- Other Lighting

■Outline Dimension



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



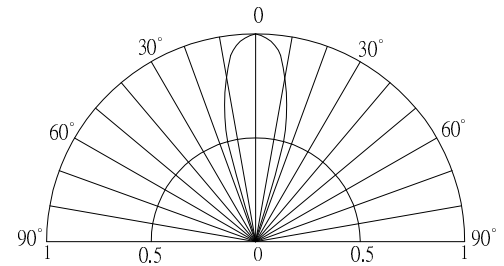
■Absolute Maximum Rating

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

Item	Symbol	Value	Unit
DC Forward Current	I_F	100	mA
Pulse Forward Current#	I_{FP}	1000	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	180	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 $\leq 100\mu\text{s}$, Duty $\leq 1/100$

■Directivity



■Electrical -Optical Characteristics

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

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V_F	$I_F=100\text{mA}$	-	1.6	1.8	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Peak Wavelength*2	λ_p	$I_F=100\text{mA}$	-	940	-	nm
Radiant Power*3	P_o	$I_F=100\text{mA}$	-	70	-	mW
Radiant Intensity*4	I_e	$I_F=100\text{mA}$	-	40	-	mW/Sr
50% Power Angle	$2\theta_{1/2}$	$I_F=100\text{mA}$	-	30	-	deg

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

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

*3 Tolerance of measurements of Radiant Power is $\pm 15\%$

*4 Tolerance of measurements of Radiant Intensity is $\pm 15\%$

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