

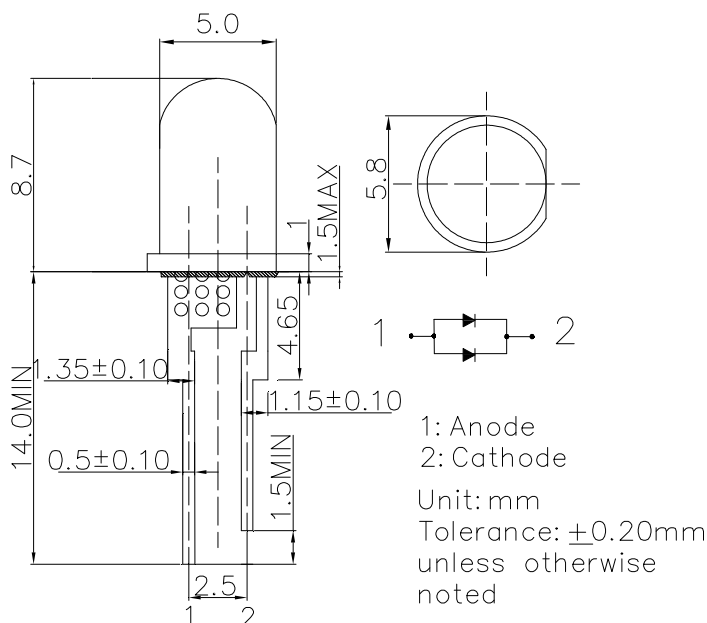
■Features

- Highest luminous flux
- Long Lifetime Operation
- Low Thermal resistance
- Water Clear Type

■Applications

- Read lights (car, bus, aircraft)
- Bollards / Security / Garden
- Small Area Illuminations
- In door / Out door Commercial lights
- Automotive Ext

■Outline Dimension



■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	200	mA
Pulse Forward Current#	I_{FP}	250	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	520	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	260°C/5sec	-

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

■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V_F	$I_F=150\text{mA}$	-	2.2	2.6	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Luminous Flux*2	Φ_V	$I_F=150\text{mA}$	16	18	-	lm
Luminous Intensity*3	I_v	$I_F=150\text{mA}$	18000	22000	-	mcd
Domi. Wavelength*4	λ_D	$I_F=150\text{mA}$	585	590	595	nm
50% Power Angle	$2\theta_{1/2}$	$I_F=150\text{mA}$	-	40	-	deg

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

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

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

*4 Tolerance of measurements of dominant wavelength is $\pm 10\%$

■Directivity

