

■Features

- High Luminous Super Flux Output
- 5 ° Standard Directivity
- Long Lifetime Operation
- Low Thermal Resistance
- Superior Weather-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

■Absolute Maximum Rating

(Ta=25°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	182	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

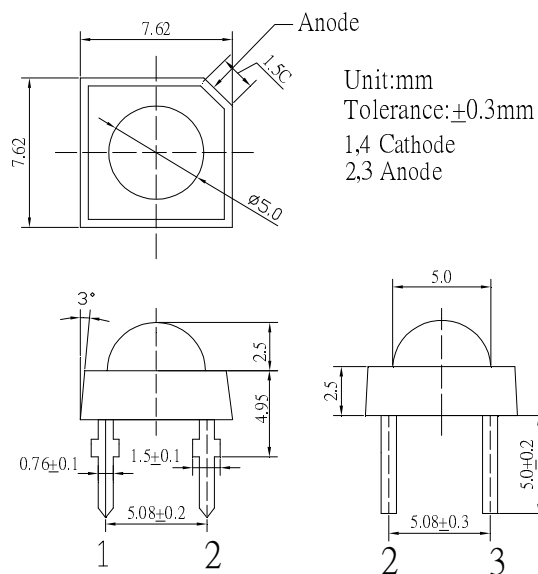
(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	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	$I_F=50\text{mA}$	585	590	595	nm
Luminous Intensity*	I_v	$I_F=50\text{mA}$	2000	4000	6000	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=50\text{mA}$	-	120	-	deg

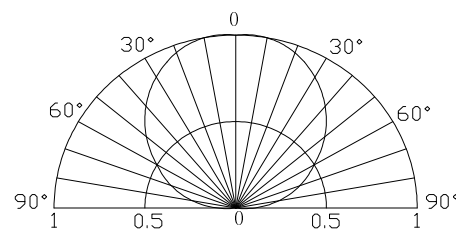
*1 Tolerance of dominant wavelength is $\pm 1\text{nm}$

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

■Outline Dimension



■Directivity



■Maximum Forward Current

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

