

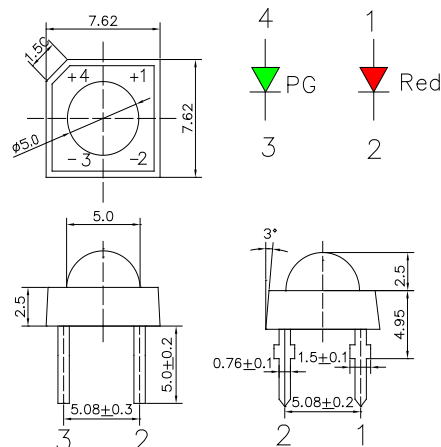
■Features

- High Luminous Super Flux Output
- 5 ° 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

■Outline Dimension



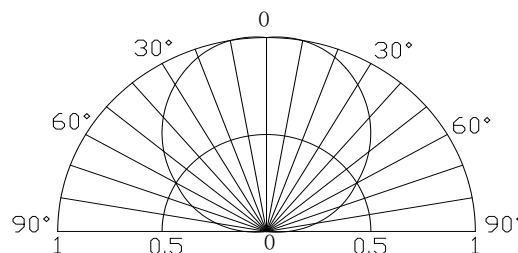
Unit: mm
Tolerance: $\pm 0.20\text{mm}$
unless otherwise noted

■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		Red	PG	
DC Forward Current	I_F	30	30	mA
Pulse Forward Current#	I_{FP}	100	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	78	102	mW
Operating Temperature	T_{opr}	$-30 \sim +85$		°C
Storage Temperature	T_{stg}	$-40 \sim +100$		°C
Lead Soldering Temperature	T_{sol}	260°C/5sec		-

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

■Directivity



■Electrical -Optical Characteristics (Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	$V_F(R)$	$I_F=20\text{mA}$	-	2.1	2.6	V
	$V_F(PG)$	$I_F=20\text{mA}$	-	2.9	3.4	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength*2	$\lambda_D(R)$	$I_F=20\text{mA}$	620	625	630	nm
	$\lambda_D(PG)$	$I_F=20\text{mA}$	520	525	530	nm
Luminous Intensity*4	$I_v(R)$	$I_F=20\text{mA}$	1560	2300	-	mcd
	$I_v(PG)$	$I_F=20\text{mA}$	2180	3000	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	120	-	deg

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

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

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

LED & Application Technologies

