

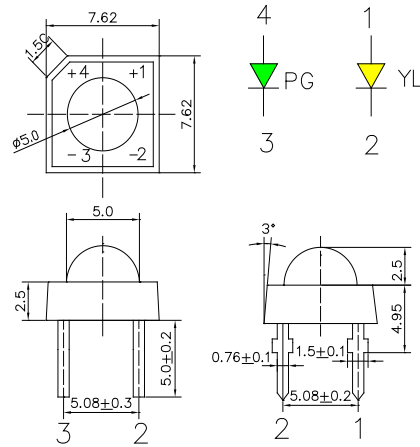
■Features

- 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



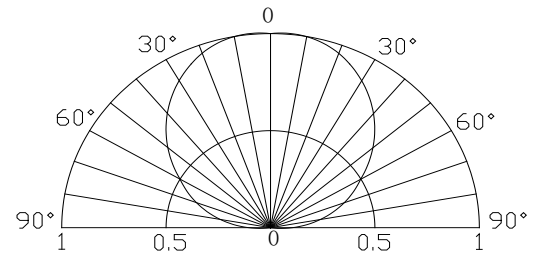
Unit: mm
Tolerance: ±0.20mm
unless otherwise noted

■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		Yellow	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 ~ +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

■Directivity



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

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V _F (Y)	I _F =20mA	-	2.1	2.6	V
	V _F (PG)	I _F =20mA	-	2.9	3.4	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength*2	λ _D (Y)	I _F =20mA	585	590	595	nm
	λ _D (PG)	I _F =20mA	520	525	530	nm
Luminous Intensity*4	I _v (Y)	I _F =20mA	1560	2300	-	mcd
	I _v (PG)	I _F =20mA	2180	3000	-	mcd
50% Power Angle	2θ _{1/2}	I _F =20mA	-	120	-	deg

*1 Tolerance of measurements of forward voltage is ±0.1V
 *2 Tolerance of measurements of dominant wavelength is ±1nm
 *3 Tolerance of measurements of luminous intensity is +15%