

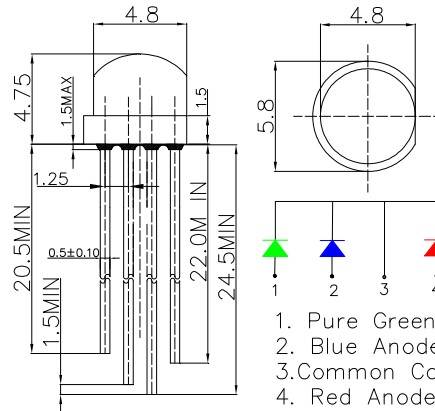
■Features

- High Luminous LEDs
- 4.8mm Straw Standard Directivity
- Water Clear Type
- Common Cathode Type

■Applications

- Toys
- Games
- Audio
- Other Lighting

■Outline Dimension



1. Pure Green Anode
2. Blue Anode
3. Common Cathode
4. Red Anode

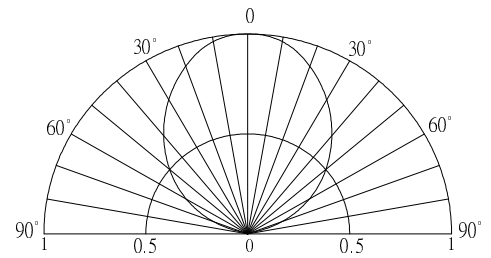
Unit: mm
Tolerance: ± 0.20 mm
unless otherwise noted

■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		Red	Blue/Green	
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	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +100		°C
Lead Soldering Temperature	Tsol	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 =20mA	-	2.1	2.6	V
	V _F (B/G)	I _F =20mA	-	2.9	3.4	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength*2	λ _D (Red)	I _F =20mA	620	625	630	nm
	λ _D (Blue)	I _F =20mA	465	470	475	nm
	λ _D (Green)	I _F =20mA	520	525	530	nm
Luminous Intensity*3	I _v (Red)	I _F =20mA	2180	3000	-	mcd
	I _v (Blue)	I _F =20mA	1120	1560	-	mcd
	I _v (Green)	I _F =20mA	3000	4200	-	mcd
50% Power Angle	2θ _{1/2}	I _F =20mA	-	100	-	deg

*1 Tolerance of measurements of forward voltage is ± 0.1 V

*2 Tolerance of measurements of dominant wavelength is ± 1 nm

*3 Tolerance of measurements of luminous intensity is ± 15 %