

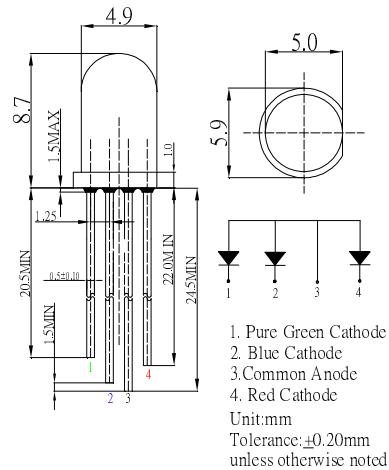
■Features

- High Luminous Output
- 5mm Standard Directivity
- Water Clear Type
- Common Cathode Type

■Applications

- Toys
- Games
- Audio
- Other Lighting

■Outline Dimension



■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		Red	Green/Blue	
DC Forward Current	I _F	50	30	mA
Pulse Forward Current#	I _{FP}	120	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	120	108	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)

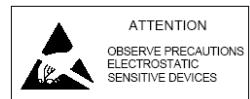
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage* ₁	V _{F(R)}	I _F =20mA	1.8	2.1	2.6	V
	V _{F(B/G)}	I _F =20mA	2.8	3.1	3.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength* ₂	λ _D (Red)	I _F =20mA	620	625	630	nm
	λ _D (Blue)	I _F =20mA	520	525	530	nm
	λ _D (Green)	I _F =20mA	465	470	475	nm
Luminous Intensity* ₃	I _v (Red)	I _F =20mA	7000	8500	-	mcd
	I _v (Blue)	I _F =20mA	3000	4000	-	mcd
	I _v (Green)	I _F =20mA	12000	14400	-	mcd
50% Power Angle	2θ _{1/2}	I _F =20mA	-	30	-	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%

LED & Application Technologies



TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

