

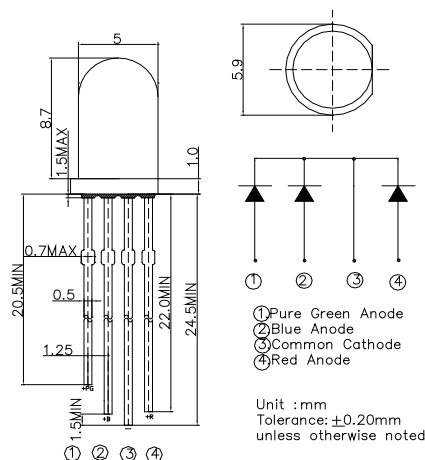
■Features

- High Luminous Output
- 5mm Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

- Toys
- Games
- Audio

■Outline Dimension

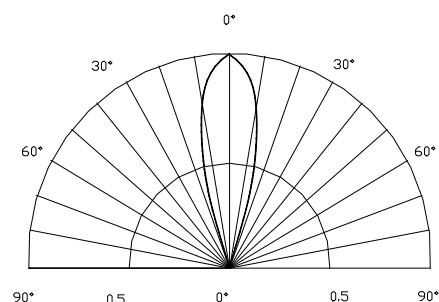


■Absolute Maximum Rating (Each Color) (Ta=25°C)

Item	Symbo l	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	72	120	mW
Operating Temperature	T _{opr}	-40 ~ +95		°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 (R)	I _F =20mA	-	2.0	2.4	V
	V _F (B/G)	I _F =20mA	-	3.4	4.0	V
DC Reverse Current	I _R	V _R =5V	-	-	30	μA
Domi. Wavelength*2	λ _D (Red)	I _F =20mA	635	640	645	nm
	λ _D (Green)	I _F =20mA	520	525	530	nm
	λ _D (Blue)	I _F =20mA	465	470	475	nm
Luminous Intensity*3	I _v (Red)	I _F =20mA	1560	2180	3000	mcd
	I _v (Green)	I _F =20mA	4200	5800	7000	mcd
	I _v (Blue)	I _F =20mA	2180	3000	4200	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%