

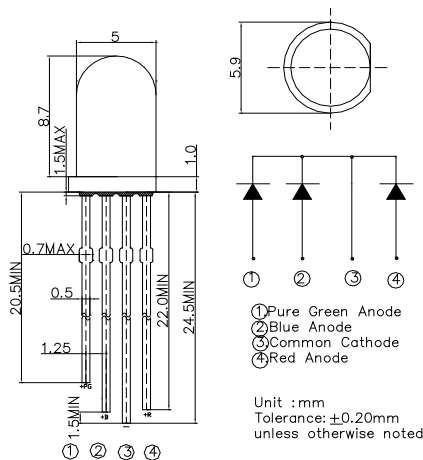
■Features

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

■Applications

- Toys
- Games
- Audio

■Outline Dimension

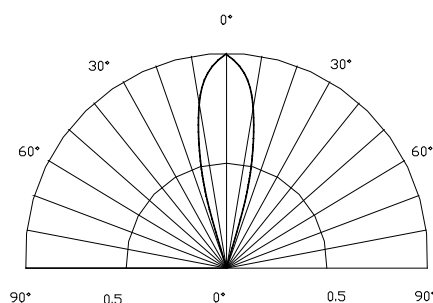


■Absolute Maximum Rating (Each Color) (Ta=25°C)

Item	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	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	$\lambda_D(Red)$	$I_F=20mA$	635	640	645	nm
	$\lambda_D(Green)$	$I_F=20mA$	520	525	530	nm
	$\lambda_D(Blue)$	$I_F=20mA$	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	$2\theta_{1/2}$	$I_F=20mA$	-	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%