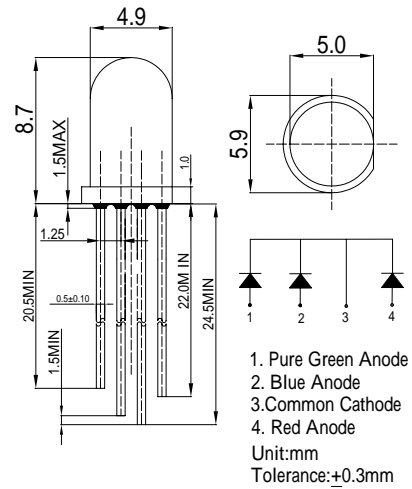


**■Features**

- High Luminous LEDs
- 5mm Round Standard Directivity
- Superior Weather-resistance
- Water Clear Type
- Common Cathode Type

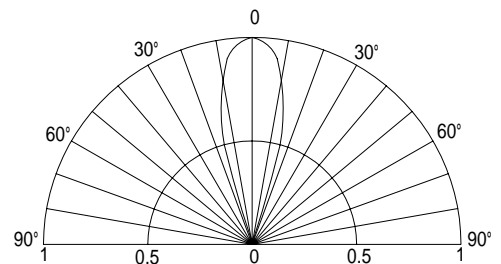
**■Applications**

- Toys
- Games
- Audio
- Other Lighting

**■Outline Dimension**

**■Absolute Maximum Rating (Ta=25 )**

Item	Symbol	Value		Unit
		Red	Blue/Green	
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		
Storage Temperature	$T_{stg}$	-40 ~ +100		
Lead Soldering Temperature	$T_{sol}$	260 /5sec		-

\*Pulse width Max.10ms Duty ratio max 1/10

**■Directivity**

**■Electrical -Optical Characteristics (Ta=25 )**

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F$ (R)	$I_F=20mA$	1.8	2.1	2.4	V
	$V_F$ (B/G)	$I_F=20mA$	2.9	3.1	3.6	V
DC Reverse Current	$I_R$	$V_R=5V$	-	-	10	$\mu A$
Domi. Wavelength*	$\lambda_D$ (Red)	$I_F=20mA$	619	624	629	nm
	$\lambda_D$ (Blue)	$I_F=20mA$	465	470	475	nm
	$\lambda_D$ (Green)	$I_F=20mA$	520	525	530	nm
Luminous Intensity*	$I_v$ (Red)	$I_F=20mA$	-	8500	-	mcd
	$I_v$ (Blue)	$I_F=20mA$	-	4000	-	mcd
	$I_v$ (Green)	$I_F=20mA$	-	8500	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20mA$	-	30	-	deg

\*1 Tolerance of dominant wavelength is  $\pm 1nm$

\*2 Tolerance of luminous intensity is  $\pm 15\%$