

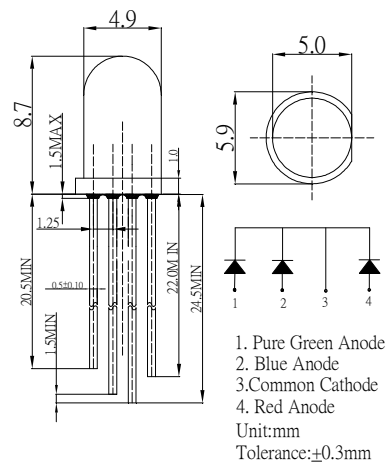
■Features

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

■Applications

- Toys
- Games
- Audio
- Other Lighting

■Outline Dimension

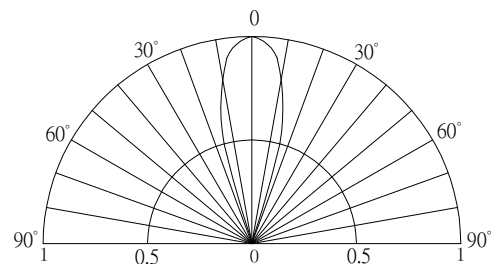


■Absolute Maximum Rating (Each Color) (Ta=25°C)

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	130	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

■Directivity



■Electrical -Optical Characteristics (Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F (R)	$I_F=20mA$	1.8	2.1	2.6	V
	V_F (B/G)	$I_F=20mA$	2.9	3.1	3.6	V
DC Reverse Current	I_R	$V_R=5V$	-	-	10	μA
Domi. Wavelength*	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*	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	$2\theta_{1/2}$	$I_F=20mA$	-	30	-	deg

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

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

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