

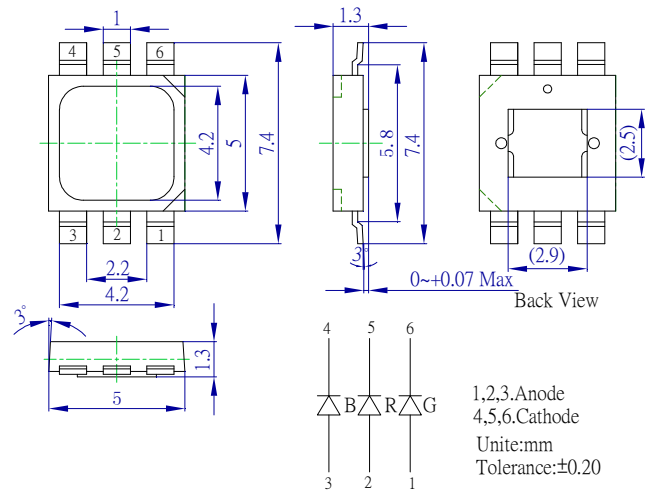
■Features

- Highest luminous flux
- Super energy efficiency
- Very long operating life (up to 100K hours)
- Superior ESD protection
- Superior UV Resistance

■Applications

- Toys
- Games
- Audio

■Outline Dimension

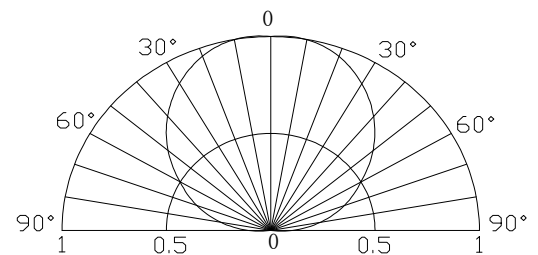


■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		Red	Green/Blue	
DC Forward Current	I _F	200	200	mA
Pulse Forward Current*	I _{FP}	250	250	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	600	800	mW
Operating Temperature	T _{opr}	-30 ~ +85		°C
Storage Temperature	T _{stg}	-40 ~ +100		°C
Lead Soldering Temperature	T _{sol}	260°C/5sec		-

■Directivity



*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	V _F (R)	I _F =150mA	2.0	2.5	3.0	V
	V _F (B/G)	I _F =150mA	3.0	3.3	4.0	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength	λ _D (Red)	I _F =150mA	619	624	629	nm
	λ _D (Green)	I _F =150mA	520	525	535	nm
	λ _D (Blue)	I _F =150mA	465	470	475	nm
Luminous Flux	Φ _v (Red)	I _F =150mA	15	20	-	lm
	Φ _v (Green)	I _F =150mA	20	30	-	lm
	Φ _v (Blue)	I _F =150mA	5	10	-	lm
50% Power Angle	2θ _{1/2}	I _F =150mA	-	120	-	deg

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

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

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

Note: Don't drive at rated current more than 5s without heat sink for Tops H Power emitter series.