

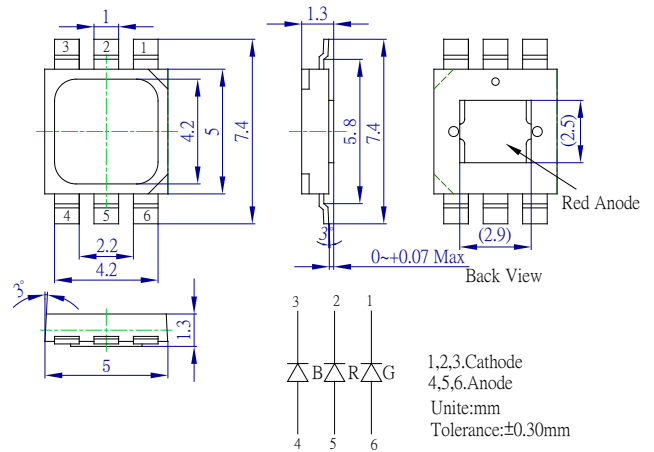
■Features

- Highest Luminous Flux
- Super Energy Efficiency
- Long Lifetime Operation
- Superior ESD protection
- Superior UV Resistance

■Applications

- Mobile Phone Flash
- Automotive Interior/Exterior Lighting / Signal Lighting
- Architectural Lighting
- LCD TV / Monitor Backlight
- Projector Light Source / Traffic Signals / Task Lighting
- Decorative / Pathway Lighting / Household Applications

■Outline Dimension

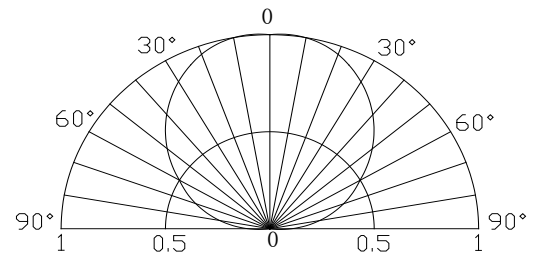


■Absolute Maximum Rating (Ta=25 °C)

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°C5sec		-

*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)	$I_F=150mA$	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	$2\theta_{1/2}$	$I_F=150mA$	-	120	-	deg

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

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

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

*3 Tolerance of measurements of forward voltage is $\pm 0.1V$

