

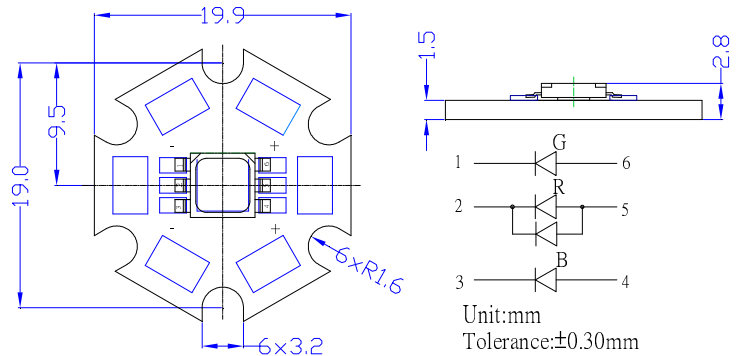
■Features

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

■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



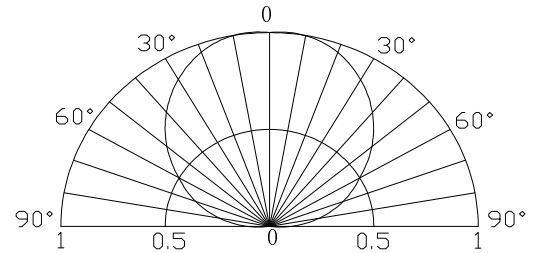
■Absolute Maximum Rating

(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°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	$V_F(R)$	$I_F=150mA$	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	$\lambda_D(Red)$	$I_F=150mA$	619	624	629	nm
	$\lambda_D(Green)$	$I_F=150mA$	520	525	535	nm
	$\lambda_D(Blue)$	$I_F=150mA$	455	460	465	nm
Luminous Flux	$\Phi_v(Red)$	$I_F=150mA$	16	22	-	lm
	$\Phi_v(Green)$	$I_F=150mA$	27	35	-	lm
	$\Phi_v(Blue)$	$I_F=150mA$	6	12	-	lm
50% Power Angle	$2\theta_{1/2}$	$I_F=150mA$	-	120	-	deg

Note: 1. Don't drive at rated current more than 5s without heat sink for Tops H Power emitter series.

*2 Dominant wavelength Measurement allowance is $\pm 1nm$

*3 Luminous intensity Measurement allowance is $\pm 15\%$