

OS-STAR-3W RGB / 6-pin (120°, 50 / 70 / 15 Lm)

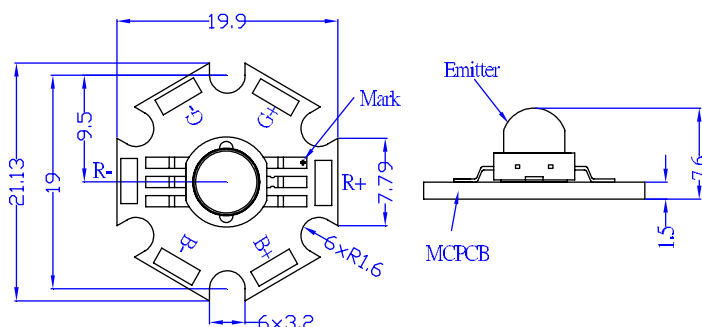
Features

- 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

Item	Symbol	Value		Unit
		Red	Green/Blue	
DC Forward Current	IF	400	400	mA
Pulse Forward Current*	IFP	500	500	mA
Reverse Voltage	VR	5	5	V
Power Dissipation	PD	1200	1600	mW
Operating Temperature	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +100		°C
Lead Soldering Temperature	Tsol	260°C / 5sec		°C

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

Typical Electrical / Optical Characteristics at TA=25°C

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	VF (R)	IF=350mA	2.0	2.5	3.0	V
	VF (B/G)	IF=350mA	3.0	3.3	4.0	V
DC Reverse Current	IR	VR=5V	-	-	10	μA
Domi. Wavelength	λD (Red)	IF=350mA	620	625	630	nm
	λD (Green)	IF=350mA	520	525	535	nm
	λD (Blue)	IF=350mA	455	460	465	nm
Luminous Flux	φv (Red)	IF=350mA	40	50	-	lm
	φv (Green)	IF=350mA	50	70	-	lm
	φv (Blue)	IF=350mA	10	15	-	lm
50% Power Angle	2θ1/2	IF=350mA	-	120	-	deg

Directivity

