OptoSupply
Light It Up

5x5x1.3mmTops Power Pure Green &Red & Blue LED

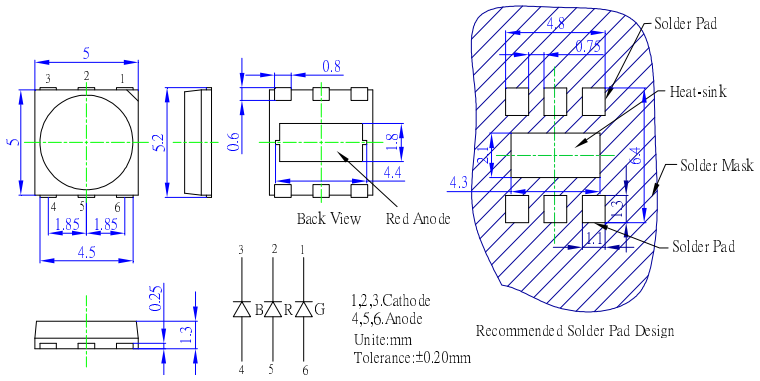
OSTCXBSGC1E

VER.C.1

▪Features

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

▪Outline Dimension



▪Applications

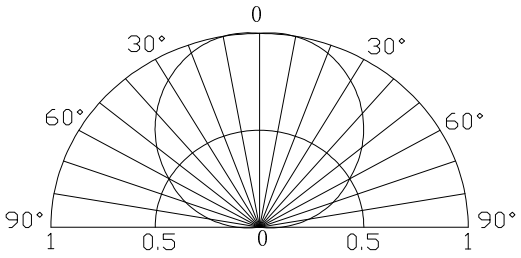
- Mobile Phone Flash
- Automotive Interior/Exterior Lighting / Signal Lighting
- Architectural Lighting
- LCD TV / Monitor Backlight
- Projector Light Source / Traffic Signals / Task Lighting
- Decorative / Pathway Lighting / Household Applications

▪Absolute Maximum Rating (Ta=25℃)

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	Topr	-30 ~ +85		℃
Storage Temperature	Tstg	-40 ~ +100		℃
Lead Soldering Temperature	Tsol	260℃/5sec		-

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

▪Directivity



▪Electrical -Optical Characteristics (Ta=25℃)

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	460	465	475	nm
Luminous Flux	Φv (Red)	I_F=150mA	15	20	-	lm
	Φv (Green)	I_F=150mA	20	30	-	lm
	Φv (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.

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES