OptoSupply
Light It Up

Super Flux Red & Pure Green & Blue LED
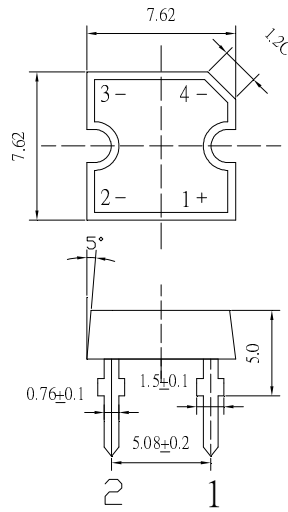
OSTBKAZ3K1D

■Features

- Super Flux Output
- Flat Standard Directivity
- UV Resistant Epoxy
- Water Clear Type
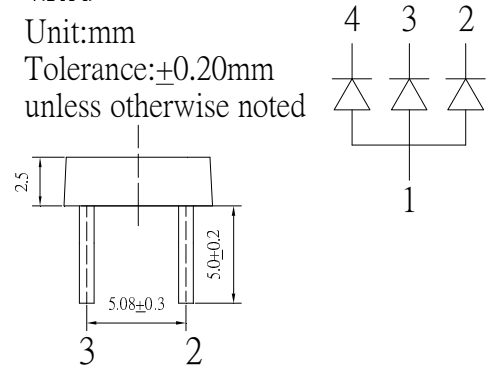- Common Anode Type

■Applications

- Toys
- Games
- Audio
- Backing Lighting

■Outline Dimension

1.Common Anode
2.Blue
3.Green
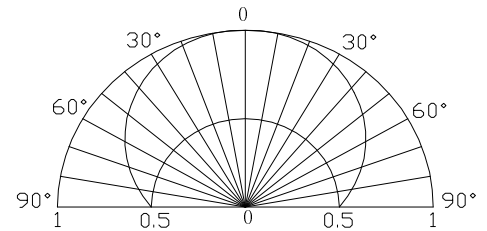4.Red

Unit:mm
Tolerance:±0.20mm
unless otherwise noted

■Absolute Maximum Rating　　　　(Ta=25℃)

Item	Symbol	Value Red	Value Green/Blue	Unit
DC Forward Current	I_F	50	30	mA
Pulse Forward Current#	I_{FP}	120	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	130	1088	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*1	$V_F(R)$	I_F=20mA	-	2.1	2.6	V
	$V_F(B/G)$	I_F=20mA	-	3.1	3.6	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Domi. Wavelength*2	λ_D(Red)	I_F=20mA	620	625	630	nm
	λ_D(Green)	I_F=20mA	520	525	530	nm
	λ_D(Blue)	I_F=20mA	465	470	475	nm
Luminous Intensity*3	Iv(Red)	I_F=20mA	1120	1560	-	mcd
	Iv(Green)	I_F=20mA	1560	2180	-	mcd
	Iv(Blue)	I_F=20mA	750	1120	-	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	180	-	deg

*1 Tolerance of measurements of forward voltage is ±0.1
*2 Tolerance of measurements of dominant wavelength is ±1nm
*3 Tolerance of measurements of Luminous Intensity is ±15%

LED & Application Technologies

CNAS IAF ISO 9001: 2008　　RoHS Compliant EU 2002/95/EC　　REACH The new EU chemicals legislation　　ATTENTION OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES