Super Flux Red & Pure Green & Blue LED

OSTA71A1D-A

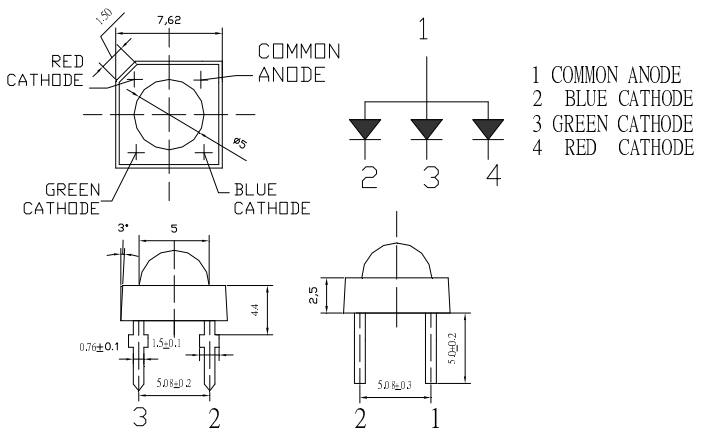
▪Features

- High Luminous Output
- Common Anode
- Superior Weather-resistance
- Water Clear Type
- RoHS Compliant

▪Applications

- Toys
- Games
- Audio

▪Outline Dimension

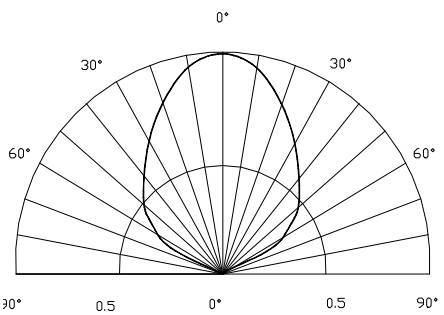


▪Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current (RED)	I_F	50	mA
DC Forward Current (GREEN/BLUE)	I_F	30	mA
Pulse Forward Current*(RED)	I_{FP}	100	mA
Pulse Forward Current* (GREEN/BLUE)	I_{FP}	50	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	150	mW
Operating Temperature	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-30 ~ +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=20mA	1.8	2.0	2.4	V
	V_F (B/G)	I_F=20mA	2.8	3.2	3.6	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Domi. Wavelength	**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	**Iv(Red)**	I_F=20mA	2180	3000	-	mcd
	Iv(Green)	I_F=20mA	3500	4200	-	mcd
	Iv(Blue)	I_F=20mA	1560	2180	-	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	100	-	deg

LED & Application Technologies

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