EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

OptoSupply
Light It Up

10mm Red & Blue & Pure Green LED

OSTAMAA131A

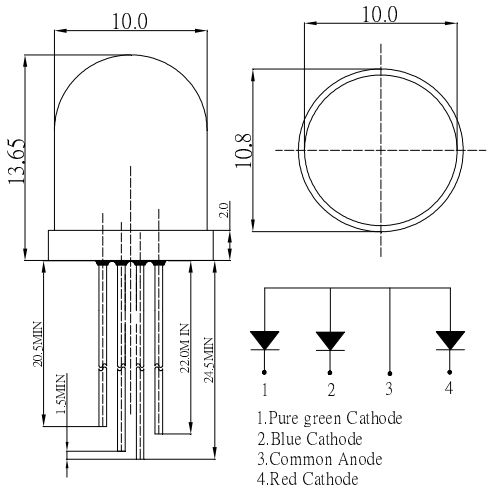
▪Features

- High Luminous Output
- 10mm Standard Directivity
- Superior Weather-resistance
- Water Clear Type
- Common Anode Type

▪Applications

- Toys
- Games
- Audio
- Other Lighting

▪Outline Dimension



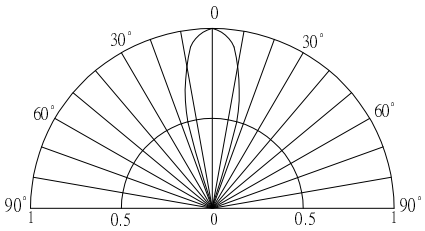
1.Pure green Cathode
2.Blue Cathode
3.Common Anode
4.Red Cathode
Unit:mm
Tolerance:±0.3mm

▪Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		Red	Green/Blue	
DC Forward Current	I_F	30	30	mA
Pulse Forward Current*	I_{FP}	100	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	78	108	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=20mA	1.8	2.1	2.6	V
	V_F **(B/G)**	I_F=20mA	2.9	3.1	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	7000	8500	-	mcd
	Iv(Green)	I_F=20mA	10000	12000	-	mcd
	Iv(Blue)	I_F=20mA	3000	4000	-	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	30	-	deg

*1 Tolerance of dominant wavelength is ±1nm

*2 Tolerance of luminous intensity is ±15%

LED & Application Technologies

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES