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

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

5mm Red&Blue&Pure Green LED

OSTA5131A-C

Common Cathode Type

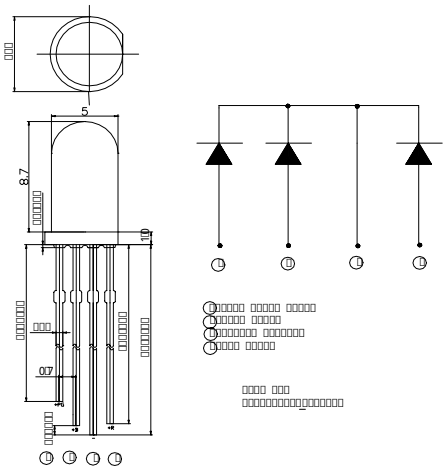
▪Features

- High Luminous Output
- 5mm Standard Directivity
- Superior Weather-resistance
- White Clear Type

▪Applications

- Toys
- Games
- Audio

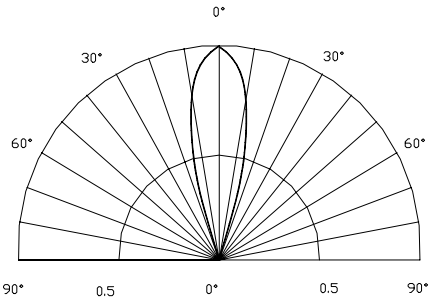
▪Outline Dimension



▪Absolute Maximum Rating (Ta=25 □)

Item	Symbol	Value	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	120	mW
Operating Temperature	Topr	-30 ~ +80	□
Storage Temperature	Tstg	-30 ~ +100	□
Lead Soldering Temperature	Tsol	260 □ /5sec	-

▪Directivity



▪Electrical -Optical Characteristics (Ta=25 □)

Item	Symbol	Condition	Min.	Typ.	Max.	Uhi t
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	3.4	4.0	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Domi. Wavelength	λ_D(Red)	I_F=20mA	635	640	645	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	1560	2180	3000	mcd
	Iv(Green)	I_F=20mA	4200	5800	7000	mcd
	Iv(Blue)	I_F=20mA	2180	3000	4200	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	30	-	deg

LED & Application Technologies