

BLFA062SURC-6V-N

HYPER RED

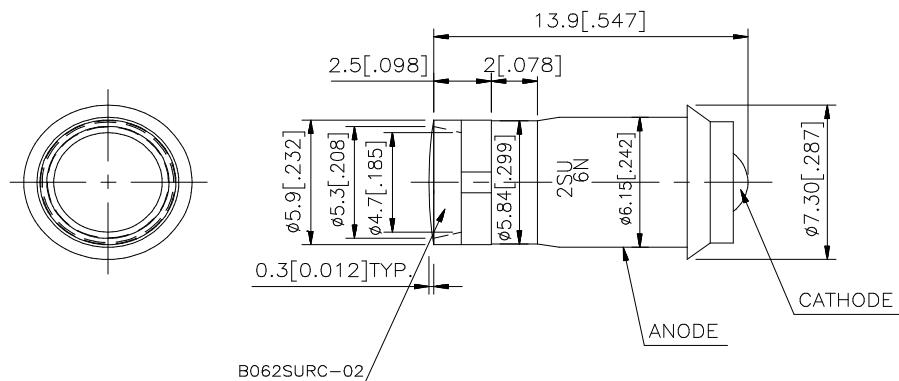
Features

- BUILT-IN CURRENT LIMITING RESISTOR FOR DIRECT APPLICATION OF DIFFERENT ACROSS CURRENT.
- LONG LIFE.
- LOW CURRENT, POWER SAVINGS.
- LOW MAINTENANCE.
- DIFFERENT COLOR AVAILABLE.
- SOLID STATE, HIGH VIBRATION RESISTANT.
- 6V INTERNAL RESISTOR.

Description

The Hyper Red source color devices are made with DH InGaAlP on GaAs substrate Light Emitting Diode.

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 (0.01") unless otherwise noted.
3. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) V=6V		Viewing Angle
			Min.	Typ.	
BLFA062SURC-6V-N	WHITE (InGaAlP)	WATER CLEAR	300	550	110°

Note:

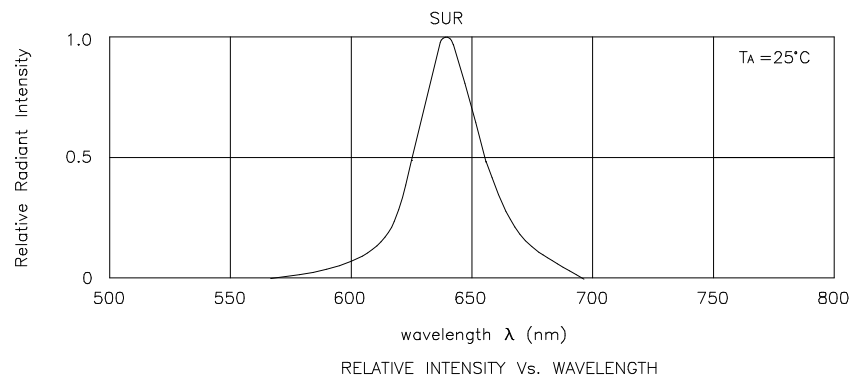
1. $\theta_{1/2}$ is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at $T_A=25^\circ\text{C}$

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Hyper Red	640	-	nm	$V_F=6\text{V}$
λ_D	Dominate Wavelength	Hyper Red	628	-	nm	$V_F=6\text{V}$
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Hyper Red	27	-	nm	$V_F=6\text{V}$
I_F	Forward Current	Hyper Red	10	-	mA	$V_F=6\text{V}$
I_R	Reverse Current	Hyper Red	-	10	μA	$V_R=5\text{V}$

Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

Parameter	Hyper Red	Units
Power dissipation	70	mW
Forward Voltage	7	V
Reverse Voltage	5	V
Operating Temperature	-40°C To $+70^\circ\text{C}$	
Storage Temperature	-40°C To $+85^\circ\text{C}$	



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