

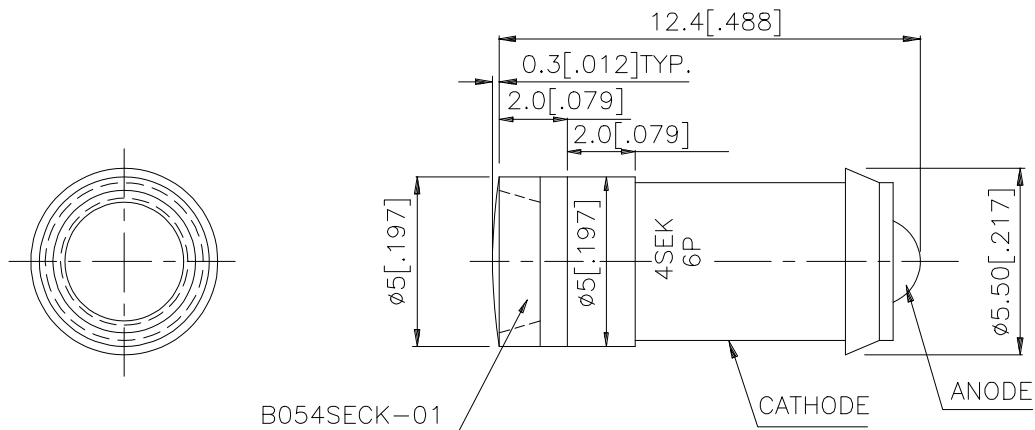
### Features

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

### Description

The Super Bright Orange 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  $\pm 0.25$  (0.01") unless otherwise noted.
3. Specifications are subject to change without notice.

## Selection Guide

| Part No.       | Dice                         | Lens Type   | Iv (mcd)<br>V=6V |      | Viewing<br>Angle |
|----------------|------------------------------|-------------|------------------|------|------------------|
|                |                              |             | Min.             | Typ. | 2θ1/2            |
| BLFA054SECK-6V | SUPER BRIGHT ORANGE(INGaAlP) | WATER CLEAR | 380              | 760  | 110°             |

Note:

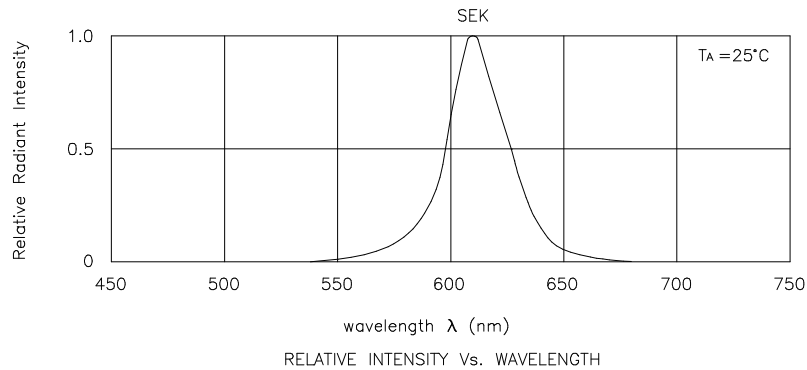
1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

## Electrical / Optical Characteristics at T<sub>A</sub>=25°C

| Symbol            | Parameter               | Device              | Typ. | Max. | Units | Test Conditions           |
|-------------------|-------------------------|---------------------|------|------|-------|---------------------------|
| λ <sub>peak</sub> | Peak Wavelength         | Super Bright Orange | 610  | -    | nm    | V <sub>F</sub> =6V        |
| λ <sub>D</sub>    | Dominate Wavelength     | Super Bright Orange | 601  | -    | nm    | V <sub>F</sub> =6V        |
| Δλ <sub>1/2</sub> | Spectral Line Halfwidth | Super Bright Orange | 29   | -    | nm    | V <sub>F</sub> =6V        |
| C                 | Capacitance             | Super Bright Orange | 15   | -    | pF    | V <sub>F</sub> =0V;f=1MHz |
| I <sub>F</sub>    | Forward Current         | Super Bright Orange | 20   | -    | mA    | V <sub>F</sub> =6V        |
| I <sub>R</sub>    | Reverse Current         | Super Bright Orange | -    | 10   | μA    | V <sub>R</sub> =5V        |

## Absolute Maximum Ratings at T<sub>A</sub>=25°C

| Parameter             | Super Bright Orange | Units |
|-----------------------|---------------------|-------|
| Power dissipation     | 140                 | mW    |
| Forward Voltage       | 7                   | V     |
| Reverse Voltage       | 5                   | V     |
| Operating Temperature | -40 °C To +70 °C    |       |
| Storage Temperature   | -40 °C To + 85 °C   |       |



## Super Bright Orange

## BLFA054SECK-6V

