

## 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.

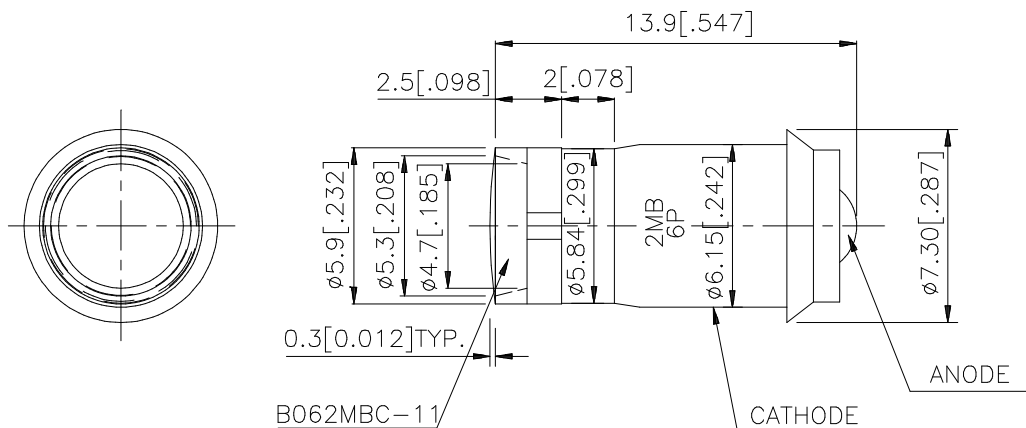
### Description

The Blue source color devices are made with GaN on SiC Light Emitting Diode.

Static electricity and surge damage the LEDs. It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

## 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. | θ1/2             |
| BLFA062MBC-6V | BLUE (GaN) | WATER CLEAR | 7                | 17   | 110°             |

Note:

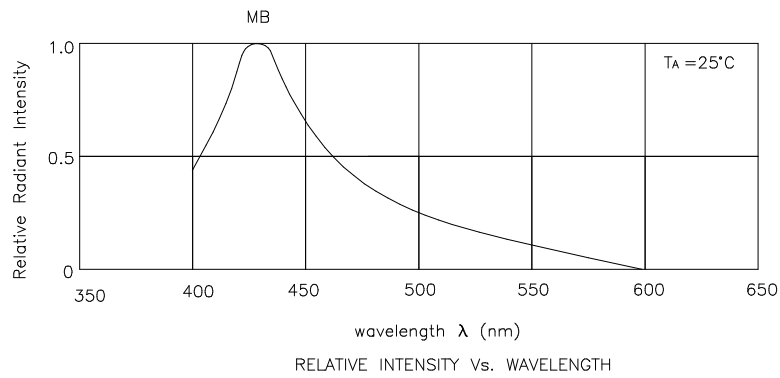
1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

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

| Symbol            | Parameter               | Device | Typ. | Max. | Units | Test Conditions           |
|-------------------|-------------------------|--------|------|------|-------|---------------------------|
| λ <sub>peak</sub> | Peak Wavelength         | Blue   | 430  | -    | nm    | V <sub>F</sub> =6V        |
| λ <sub>D</sub>    | Dominate Wavelength     | Blue   | 466  | -    | nm    | V <sub>F</sub> =6V        |
| Δλ <sub>1/2</sub> | Spectral Line Halfwidth | Blue   | 60   | -    | nm    | V <sub>F</sub> =6V        |
| C                 | Capacitance             | Blue   | 100  | -    | pF    | V <sub>F</sub> =0V;f=1MHz |
| I <sub>F</sub>    | ForwardCurrent          | Blue   | 20   | -    | mA    | V <sub>F</sub> =6V        |
| I <sub>R</sub>    | Reverse Current         | Blue   | -    | 10   | uA    | V <sub>R</sub> =5V        |

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

| Parameter             | Blue              | Units |
|-----------------------|-------------------|-------|
| Power dissipation     | 200               | mW    |
| Forward Voltage       | 7                 | V     |
| Reverse Voltage       | 5                 | V     |
| Operating Temperature | -40 °C To +70 °C  |       |
| Storage Temperature   | -40 °C To + 85 °C |       |



Blue

BLFA062MBC-6V

