

PRELIMINARY SPEC

Part Number: BL0106-15-47

SUPER BRIGHT GREEN

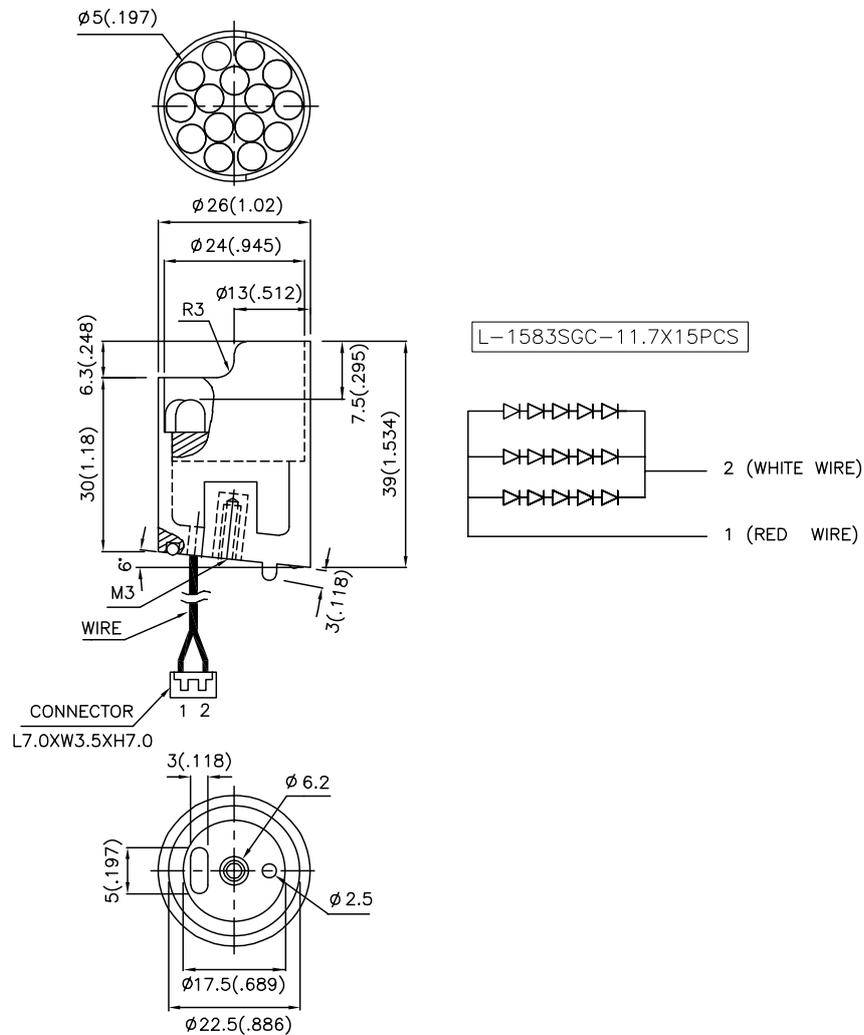
### Features

- WATERPROOF PACKAGE WITH HOOD SUITABLE FOR OUTDOOR AND INDOOR INFORMATION BOARDS.
- CAN PRODUCE ANY COLOR IN VISIBLE SPECTRUM, INCLUDING WHITE LIGHT.
- RoHS COMPLIANT.

### Description

The Super Bright Green source color devices are made with Gallium Phosphide Green 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 subjected to change without notice.



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

| Symbol            | Parameter                | Device       | Color              | Min. | Typ. | Max. | Units | Test Conditions      |
|-------------------|--------------------------|--------------|--------------------|------|------|------|-------|----------------------|
| I <sub>v</sub>    | Luminous Intensity       | BL0106-15-47 | Super Bright Green | 900  | 2500 | -    | mcd   | I <sub>F</sub> =60mA |
| 2θ <sub>1/2</sub> | Viewing Angle            |              | Super Bright Green | -    | 40   | -    | Deg.  | -                    |
| V <sub>F</sub>    | Forward Voltage          |              | Super Bright Green | -    | 11.0 | 12.5 | V     | I <sub>F</sub> =60mA |
| λ <sub>peak</sub> | Peak Wavelength          |              | Super Bright Green | -    | 565  | -    | nm    | I <sub>F</sub> =60mA |
| λ <sub>D</sub>    | Dominate Wavelength      |              | Super Bright Green | -    | 568  | -    | nm    | I <sub>F</sub> =60mA |
| Δλ <sub>1/2</sub> | Spectral Line Half-width |              | Super Bright Green | -    | 30   | -    | nm    | I <sub>F</sub> =60mA |
| I <sub>R</sub>    | Reverse Current          |              | Super Bright Green | -    | -    | 30   | uA    | V <sub>R</sub> = 5V  |

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

| Parameter             | Super Bright Green | Units |
|-----------------------|--------------------|-------|
| Power dissipation     | 1000               | mW    |
| DC Forward Current    | 90                 | mA    |
| Reverse Voltage       | 5                  | V     |
| Operating Temperature | -40°C To +70°C     |       |
| Storage Temperature   | -40°C To +85°C     |       |