

PRELIMINARY SPEC

Part Number: BL0106-15-47

SUPER BRIGHT GREEN

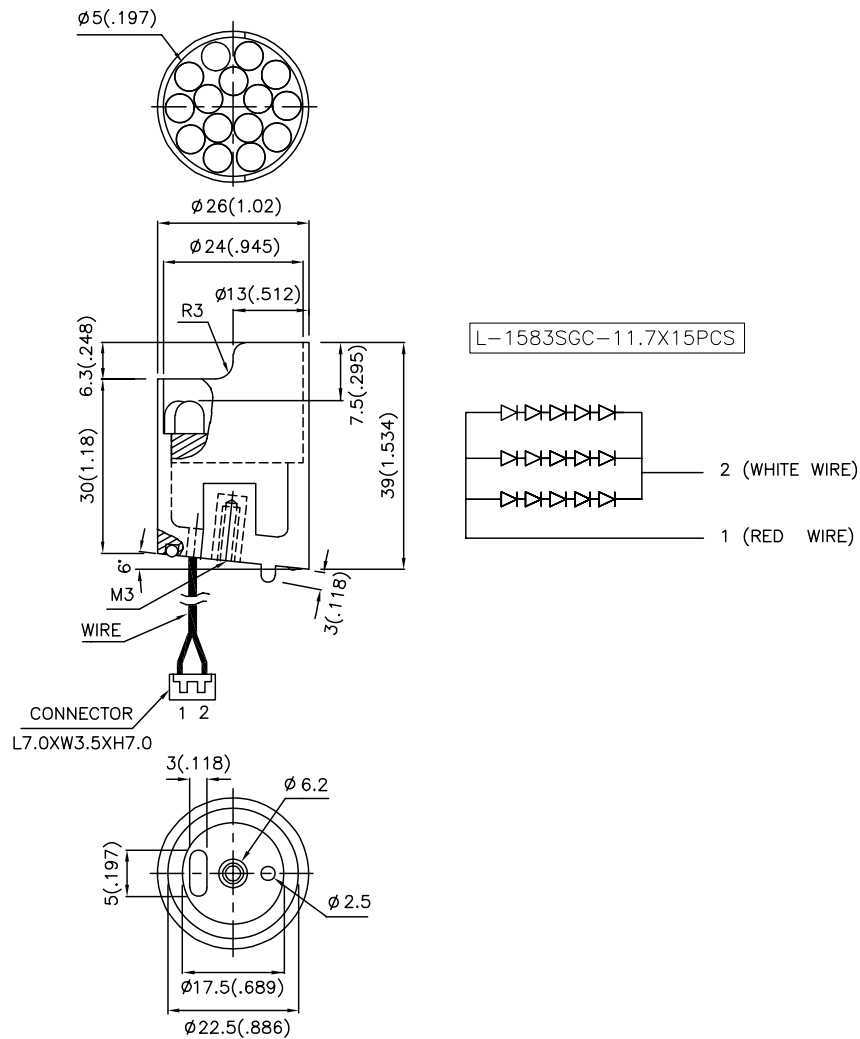
Features

- 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_A=25°C

Symbol	Parameter	Device	Color	Min.	Typ.	Max.	Units	Test Conditions
I _v	Luminous Intensity	BL0106-15-47	Super Bright Green	900	2500	-	mcd	I _F =60mA
2θ _{1/2}	Viewing Angle		Super Bright Green	-	40	-	Deg.	-
V _F	Forward Voltage		Super Bright Green	-	11.0	12.5	V	I _F =60mA
λ _{peak}	Peak Wavelength		Super Bright Green	-	565	-	nm	I _F =60mA
λ _D	Dominate Wavelength		Super Bright Green	-	568	-	nm	I _F =60mA
Δλ _{1/2}	Spectral Line Half-width		Super Bright Green	-	30	-	nm	I _F =60mA
I _R	Reverse Current		Super Bright Green	-	-	30	uA	V _R = 5V

Absolute Maximum Ratings at T_A=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	

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