

PRELIMINARY SPEC

BL0307-50-46

HYPER GREEN

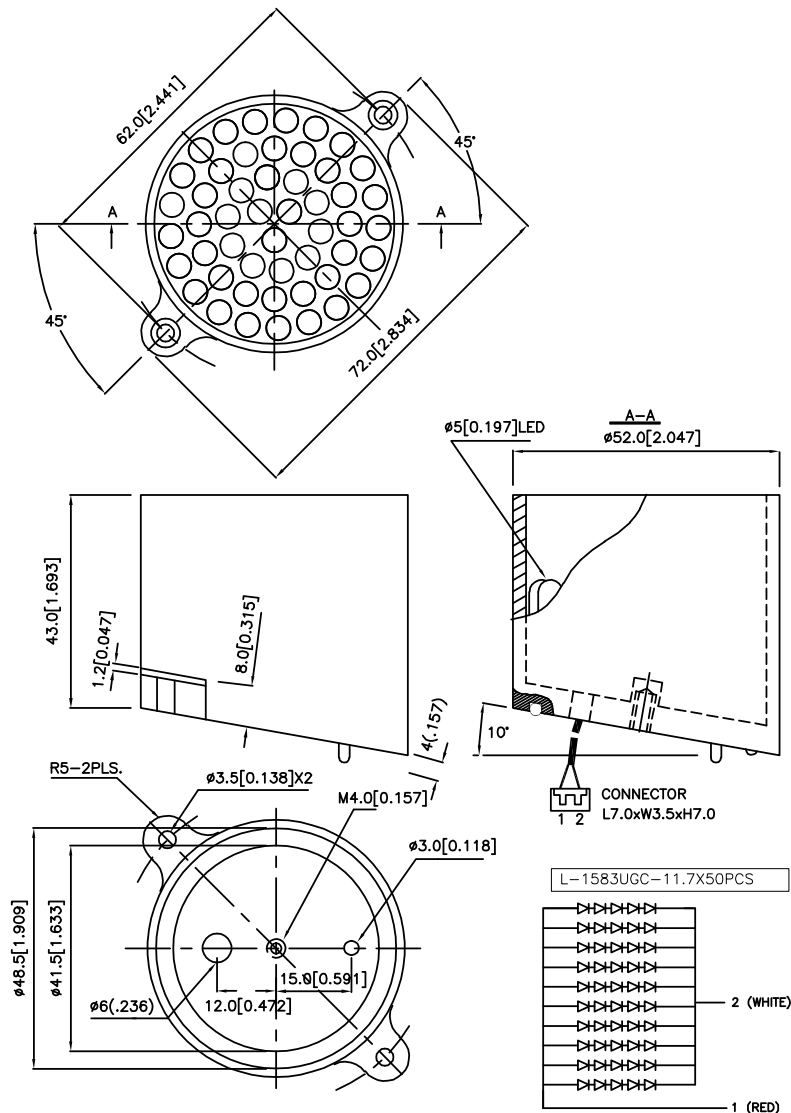
### Features

- WATERPROOF CONSTRUCTION.
- SUITABLE FOR OUTDOOR APPLICATIONS, SIGNBOARD OR MESSAGE BOARD, ETC.
- BOTH SINGLE COLOR AND MULTI-COLOR (RED, GREEN & ORANGE) ARE AVAILABLE.
- RoHS COMPLIANT.

### Description

The Hyper 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 TA=25°C

Symbol	Parameter	Device	Color	Min	Typ.	Max.	Units	Test Conditions
Iv	Luminous Intensity	BL0307-50-46	Hyper Green	4700	8000	-	mcd	IF=200mA
2θ1/2	Viewing Angle		Hyper Green	-	40	-	Deg.	-
VF	Forward Voltage		Hyper Green	-	11.0	12.5	V	IF=200mA
λpeak	Peak Wavelength		Hyper Green	-	562	-	nm	IF=200mA
λD	Dominant Wavelength		Hyper Green	-	568	-	nm	IF=200mA
Δλ1/2	Spectral Line Half-width		Hyper Green	-	30	-	nm	IF=200mA
IR	Reverse Current		Hyper Green	-	-	100	uA	VR = 5V

## Absolute Maximum Ratings at TA=25°C

Parameter	Hyper Green	Units
Power dissipation	3000	mW
DC Forward Current	250	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	