

BL0508-09-73

### Features

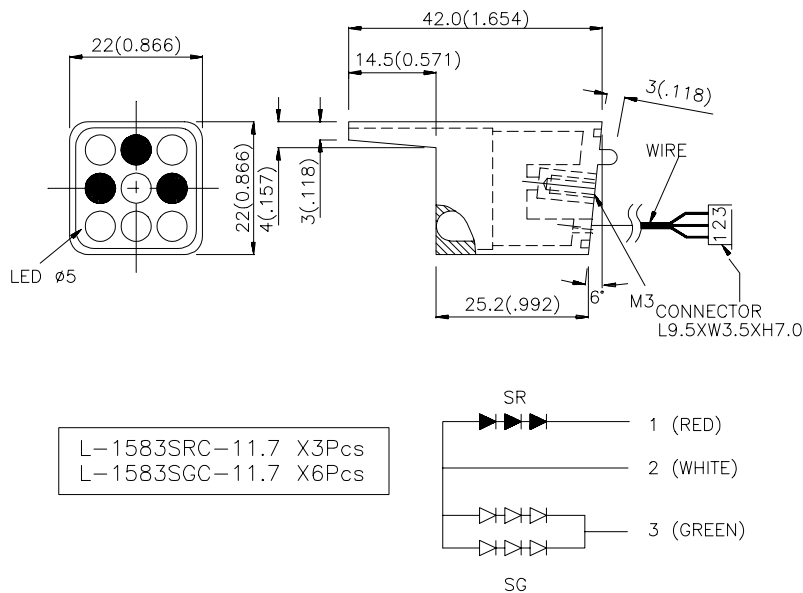
- HIGH VISIBILITY.
- EMITTING COLOR: GREEN, RED AND ORANGE (MIXED COLOR).
- NO. OF BUILT-IN 5mm LED LAMPS: SUPER BRIGHT RED 3 PCS, SUPER BRIGHT GREEN 6 PCS.
- WATERPROOF PACKAGE WITH HOOD SUITABLE FOR OUTDOOR AND INDOOR INFORMATION BOARDS.

### Description

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

The Super Bright Green color devices are made 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. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

## Selection Guide

Part No.	Emitting Color +Material	$\lambda D(nm)$	Lens Type	Iv (mcd) @20mA		Viewing Angle	IF (mA)
				Min.	Typ.		
BL0508-09-73	GaAlAs	640	WATER CLEAR	450	1200	40°	20
	GaP	568	WATER CLEAR	420	800	40°	40

Note:

1.  $\theta 1/2$  is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

## Electrical / Optical Characteristics at $T_A=25^\circ C$

Symbol	Parameter	Device	Color	Typ.	Max.	Units	Test Conditions
Iv	Luminous Intensity	BL0508-09-73	Super Bright Red Super Bright Green	1500 900	-	mcd	IF=20mA IF=40mA
$\theta$	Viewing Angle		Super Bright Red Super Bright Green	45	-	Deg	-
$V_F$	Forward Voltage		Super Bright Red Super Bright Green	5.5 6.5	7.5 7.5	V	IF=20mA IF=40mA
$\lambda_{peak}$	Peak Wavelength		Super Bright Red Super Bright Green	660 565	-	nm	IF=20mA IF=40mA
$\lambda D$	Dominate Wavelength		Super Bright Red Super Bright Green	640 568		nm	IF=20mA IF=40mA
$\Delta\lambda_{1/2}$	Spectral Line Halfwidth		Super Bright Red Super Bright Green	20 30	-	nm	IF=20mA IF=40mA
$I_R$	Reverse Current		Super Bright Red Super Bright Green		30	uA	VR = 5V

## Absolute Maximum Ratings at $T_A=25^\circ C$

Parameter	TYPE	Units
Power dissipation	800	mW
DC Forward Current	30	mA
Reverse Voltage	5	V
Operating Temperature	-40° C To +70° C	
Storage Temperature	-40° C To +85° C	