

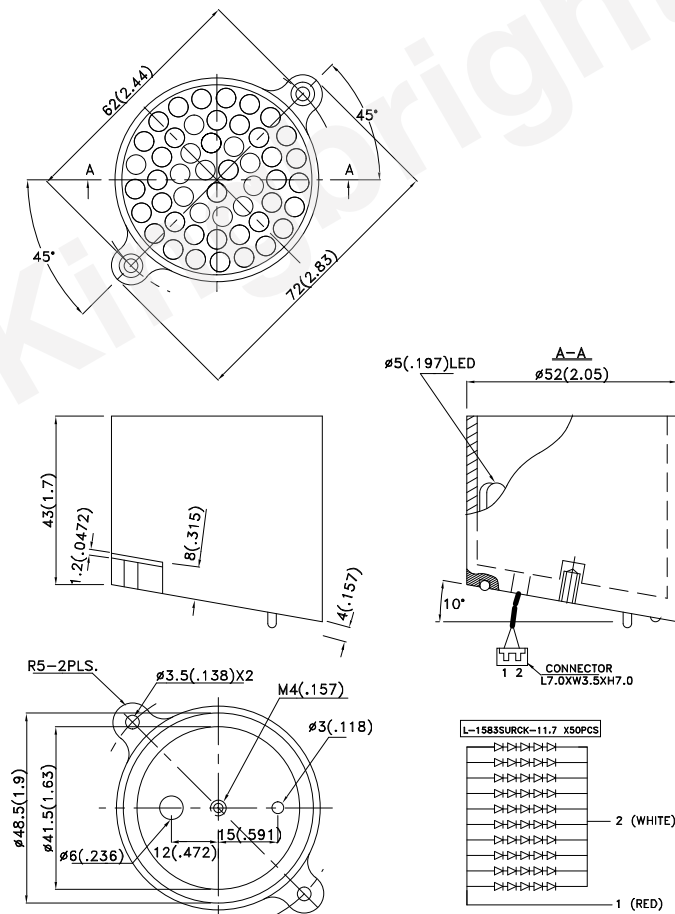
Features

- Waterproof construction.
- Suitable for outdoor applications, signboard or message board, etc.
- RoHs compliant.

Description

The Hyper Red source color devices are made with Al-GaInP on GaAs substrate Light Emitting Diode.

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 (0.01") unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.



Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Min.	Typ.	Max.	Units	Test Conditions
Iv	Luminous Intensity	BL0307-50-433	35000	75000	-	mcd	If=200mA
			*12300	*23000			
2θ1/2	Viewing Angle		-	40	-	deg	-
VF	Forward Voltage		-	9.75	12.5	V	If=200mA
λ peak	Peak Wavelength		-	645	-	nm	If=200mA
λ D	Dominant Wavelength		-	630	-	nm	If=200mA
Δλ 1/2	Spectral Line Half-width		-	28	-	nm	If=200mA
IR	Reverse Current		-	-	100	uA	VR = 5V

Notes:

1. *Luminous intensity value is traceable to the CIE127-2007 compliant national standards.
2. Wavelength value is traceable to CIE127-2007 standards.

Absolute Maximum Ratings at TA=25°C

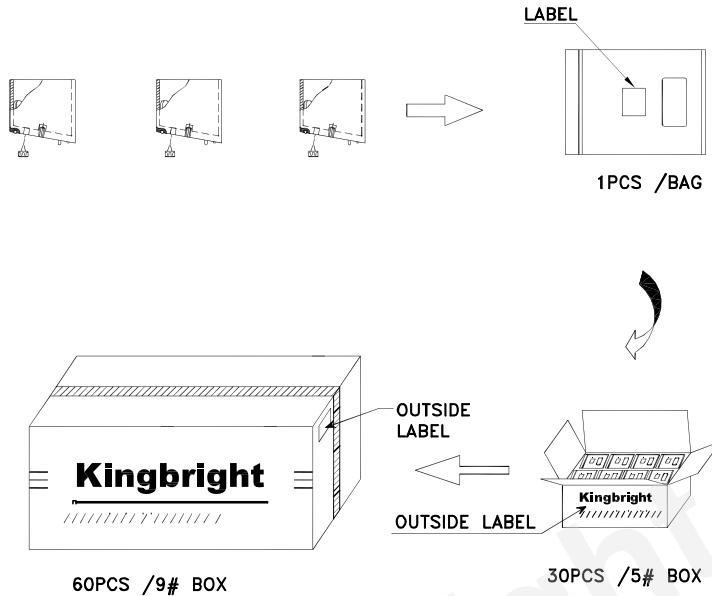
Parameter	Values	Units
Power dissipation	3750	mW
DC Forward Current	300	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	


Note:

1. Relative humidity levels maintained between 40% and 60% in production area are recommended to avoid the build-up of static electricity – Ref JEDEC/JESD625-A and JEDEC/J-STD-033.

PACKING & LABEL SPECIFICATIONS

BL0307-50-433



Kingbright	
P/NO: BL0307-50xxx	
QTY: 1 pcs	Q.C. Q C XX-XX-XX PASSED
S/N: XXXX	
CODE: XXX	
LOT NO:	
	
RoHS Compliant	

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