

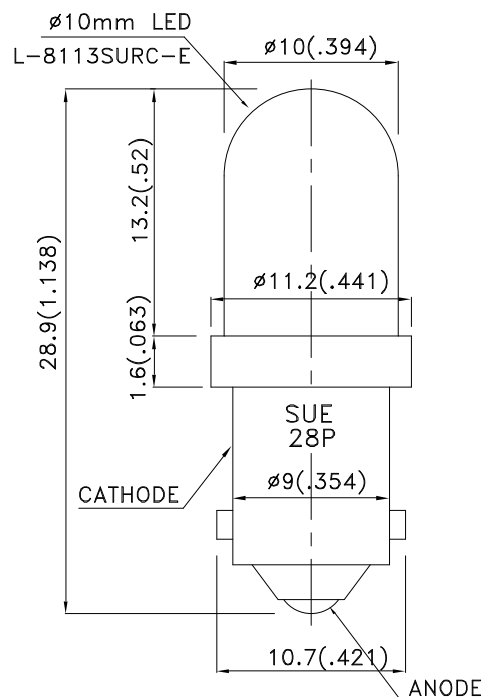
Features

- Built-in current limiting resistor for direct application of different across current.
- Long life.
- Low current, power savings.
- Low maintenance.
- Different color available.
- Solid state, high vibration resistant.
- 28V internal resistor
- RoHS compliant.

Description

The Hyper Red source color devices are made with AlGaInP on GaAs substrate 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. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.



Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) V= 28V		Viewing Angle
			Min.	Typ.	2θ1/2
BLB101SURC-E-28V-P	Hyper Red (AlGaInP)	Water Clear	700	1600	20°

Note:

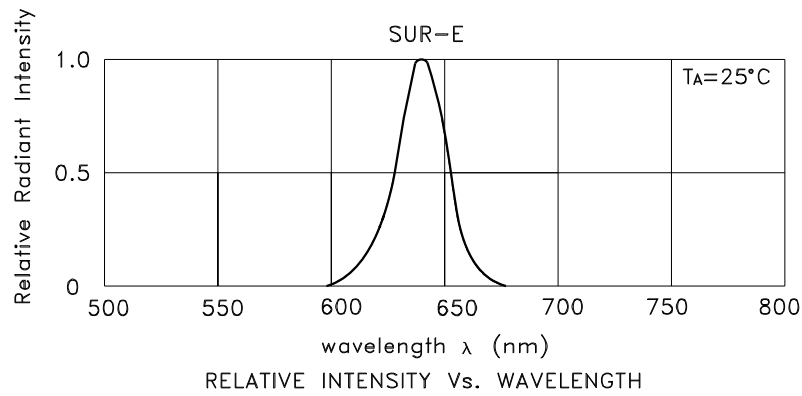
1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Hyper Red	640		nm	V _F =28V
λD	Dominant Wavelength	Hyper Red	630		nm	V _F =28V
Δλ1/2	Spectral Line Half-width	Hyper Red	25		nm	V _F =28V
I _F	Forward Current	Hyper Red	13	16	mA	V _F =28V
I _R	Reverse Current	Hyper Red		10	μA	V _R = 5V

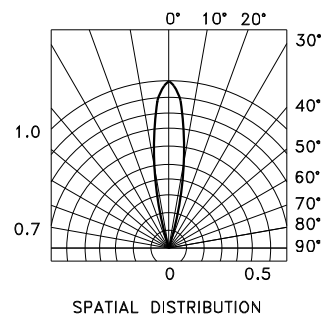
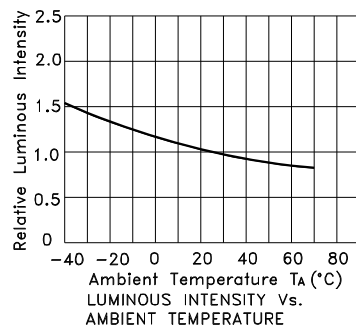
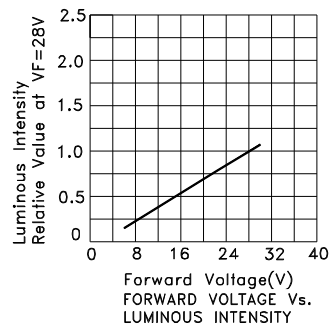
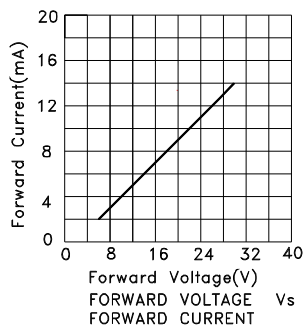
Absolute Maximum Ratings at TA=25°C

Parameter	Hyper Red	Units
Power dissipation	480	mW
Forward Voltage	30	V
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	



Hyper Red

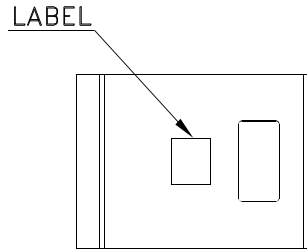
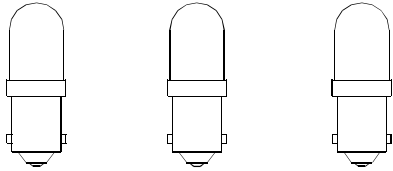
BLB101SURC-E-28V-P



Kingbright

PACKING & LABEL SPECIFICATIONS

BLB101SURC-E-28V-P

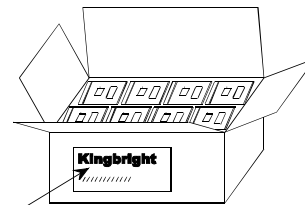


100PCS/BAG




4K/9# BOX

OUTSIDE LABEL



OUTSIDE LABEL

2K/5# BOX

<h1>Kingbright</h1>	
P/NO: BLB101xxx	
QTY: 100 pcs	Q.C. Q C XX XX XXXX PASSED
S/N: XXXX	
CODE: XXX	
LOT NO:	
 <small>xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</small>	
RoHS Compliant	