

Part Number: L-796BSRC-B

SUPER BRIGHT RED

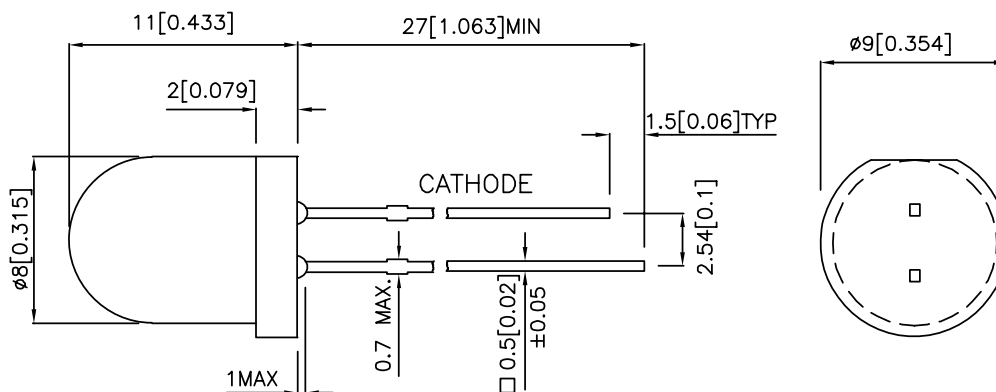
### Features

- 8mm DIAMETER BIG LAMP WITH BUILT-IN BLINKING IC.
- OPERATION VOLTAGE FROM 3.5V to 14V.
- BLINKING FREQUENCY FROM 3.0Hz to 1.5Hz.
- RoHS COMPLIANT.

### Description

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red 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 leads emerge from the package.
4. Specifications are subject to change without notice.



## Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) V=9V		Viewing Angle
			Min.	Typ.	2θ1/2
L-796BSRC-B	SUPER BRIGHT RED (GaAlAs)	WATER CLEAR	480	800	40°

Note:

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

## Electrical / Optical Characteristics at TA=25°C

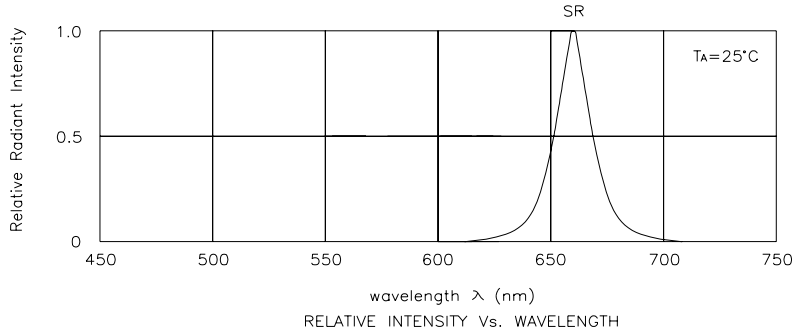
Symbol	Parameter	Device	Min.	Typ.	Max.	Units	Test Conditions
λ <sub>peak</sub>	Peak Wavelength	Super Bright Red		660		nm	
λ <sub>D</sub>	Dominant Wavelength	Super Bright Red		640		nm	
Δλ <sub>1/2</sub>	Spectral Line Half-width	Super Bright Red		20		nm	
I <sub>F</sub>	Forward Current	Super Bright Red	8	22		mA	Min:V <sub>F</sub> =3.5V Typ:V <sub>F</sub> =5V
I <sub>SON</sub>	Supply Current	Super Bright Red		8		mA	V <sub>F</sub> = 3.5V
I <sub>SON</sub>	Supply Current	Super Bright Red		44		mA	V <sub>F</sub> = 14V
f	Blink Frequency	Super Bright Red	1.5		3	Hz	V <sub>F</sub> = 3.5V ~ 14V

## Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Red	Units
Power dissipation	310	mW
Forward Voltage	14	V
Reverse Voltage	0.5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [1]	260°C For 3 Seconds	
Lead Solder Temperature [2]	260°C For 5 Seconds	

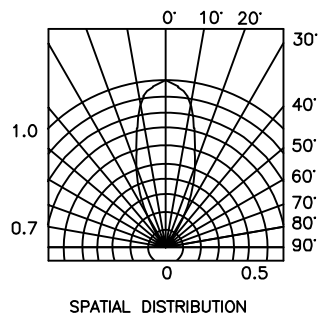
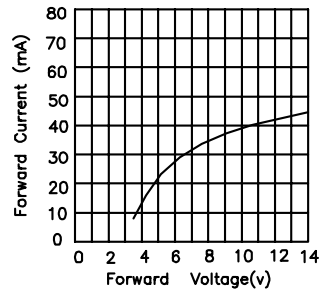
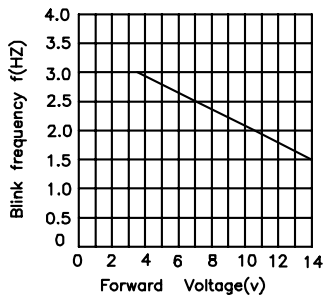
Notes:

- 2mm below package base.
- 5mm below package base.



## Super Bright Red

## L-796BSRC-B



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [kingbright](#) manufacturer:*

Other Similar products are found below :

[DLC-6EGW](#) [BR-8.24](#) [L-934EW/1GD](#) [AA4040PGS](#) [PSA05-11GWA](#) [BC04-11SYKWA](#) [KB-2600ID](#) [L53YC13](#) [DLC2-6GD](#) [DLC2-6SGD](#)  
[SA40-19GWA](#) [WP4060VH/2ID](#) [DC10GWA](#) [DC-05YWA](#) [KA-3535SELZ4S](#) [KB-2755SYKW](#) [SA56-11GWA](#) [DE2CGKD](#) [AA4040SF4S-P22](#)  
[BR9.52](#) [L-1384AL/1ID](#) [SA15-11PBWA-A](#) [KB-2855SGW](#) [BA56-11SYKWA](#) [ACSA03-41EWA-F01](#) [L-59GYC](#) [WP7113SF4BT-P22](#) [SA03-](#)  
[11PBWA/A](#) [SC40-19EWA](#) [DA03-11GWA](#) [L-934EB/2ID](#) [WP132WUM/EGW](#) [WP1503CB/GD](#) [WP1384AD/GD](#) [AA3528AVUACGSK](#) [L-](#)  
[964ID](#) [KPBD-3224SURKCGKC](#) [WP1533BQ/GD](#) [SA08-11SURKWA](#) [AM2520SYCK09](#) [L-138A8QMP/1ID](#) [SA23-12EWA](#) [WP934MD/2ID](#)  
[KPHBM-2012ETSGTC](#) [KPTR-3216SGC](#) [WP4060VH/2GD](#) [PDC54-12SRWA](#) [WP53MGD](#) [DLC-6MBD](#) [SC40-18EWA](#)