

Part Number: L-796BYD

YELLOW

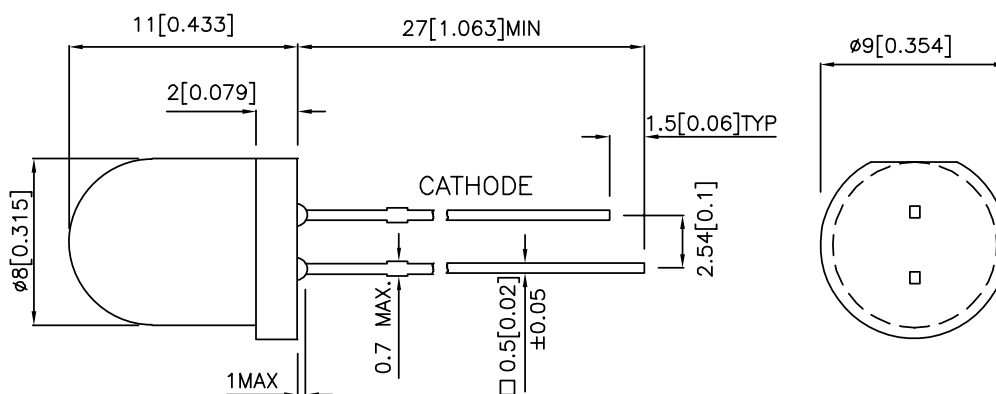
Features

- 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 Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow 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) [2] V=9V		Viewing Angle [1]
			Min.	Typ.	2θ1/2
L-796BYD	YELLOW (GaAsP/GaP)	YELLOW DIFFUSED	7	30	60°

Notes:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
2. Luminous intensity / luminous flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Min.	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Yellow		590		nm	
λ _D [1]	Dominant Wavelength	Yellow		588		nm	
Δλ _{1/2}	Spectral Line Half-width	Yellow		35		nm	
I _F	Forward Current	Yellow	8	22		mA	Min:V _F =3.5V Typ:V _F =5V
I _{SON}	Supply Current	Yellow		8		mA	V _F = 3.5V
I _{SON}	Supply Current	Yellow		44		mA	V _F = 14V
f	Blink Frequency	Yellow	1.5		3	Hz	V _F = 3.5V~14V

Notes:

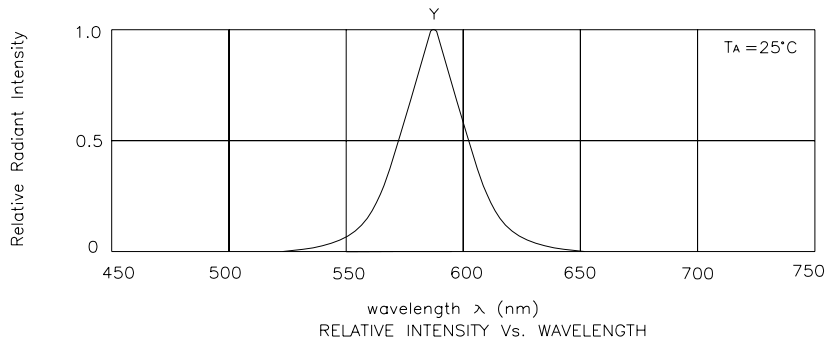
- 1.Wavelength: +/-1nm.

Absolute Maximum Ratings at TA=25°C

Parameter	Yellow	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:

1. 2mm below package base.
2. 5mm below package base.



Yellow

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