

PRELIMINARY SPEC

Part Number: L-816BYD

YELLOW

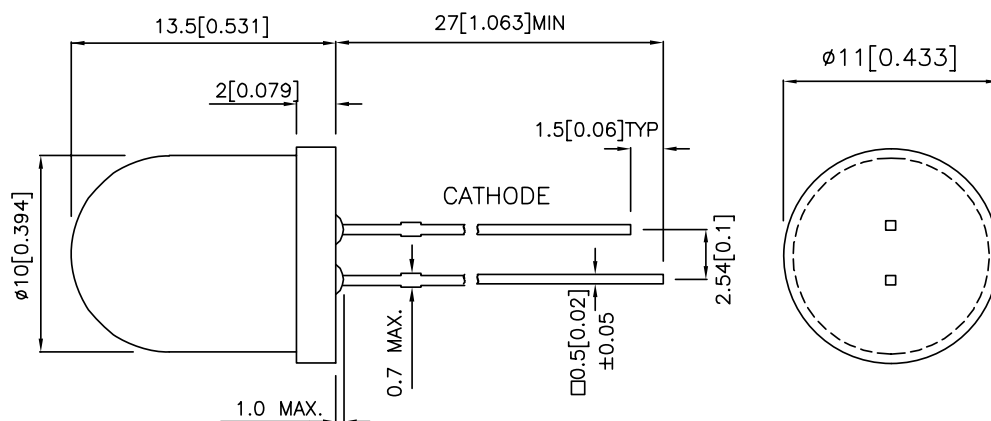
Features

- 10mm 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 ± 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-816BYD	YELLOW (GaAsP/GaP)	YELLOW DIFFUSED	10	40	60°

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
λpeak	Peak Wavelength	Yellow		590		nm	
λD	Dominant Wavelength	Yellow		588		nm	
Δλ1/2	Spectral Line Half-width	Yellow		35		nm	
IF	Forward Current	Yellow	8	22		mA	Min:VF=3.5V Typ:VF=5V
ISON	Supply Current	Yellow		8		mA	VF = 3.5V
ISON	Supply Current	Yellow		44		mA	VF = 14V
f	Blink Frequency	Yellow	1.5		3	Hz	VF = 3.5V~14V

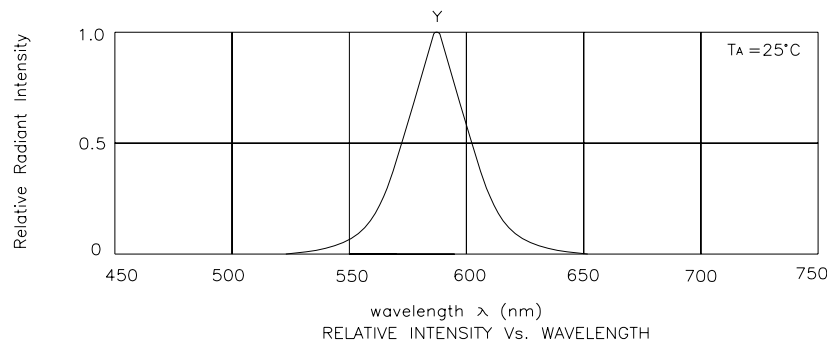
Absolute Maximum Ratings at TA=25°C

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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