

PRELIMINARY SPEC

Part Number: L-816BGD

GREEN

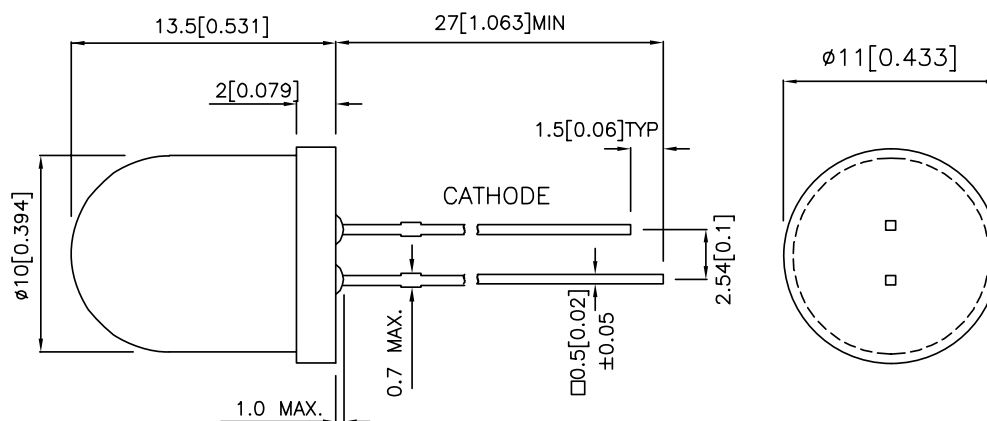
Features

- 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 Green source color devices are made with Gallium Phosphide Green 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 lead 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-816BGD	GREEN (GaP)	GREEN DIFFUSED	10	50	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

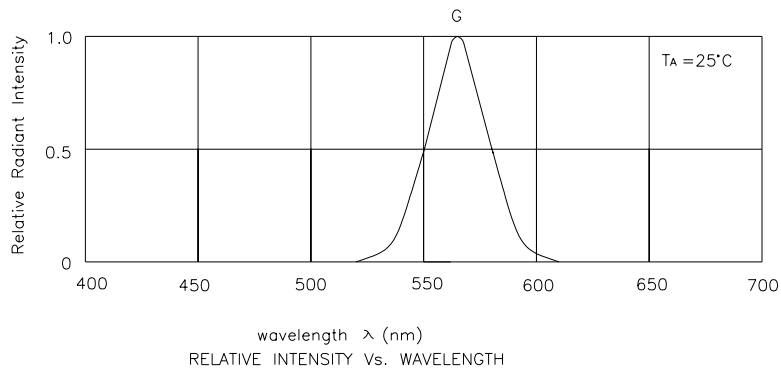
Symbol	Parameter	Device	Min.	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Green		565		nm	
λ _D	Dominant Wavelength	Green		568		nm	
Δλ _{1/2}	Spectral Line Half-width	Green		30		nm	
I _F	Forward Current	Green	8	22		mA	Min:V _F =3.5V Typ:V _F =5V
I _{SON}	Supply Current	Green		8		mA	V _F = 3.5V
I _{SON}	Supply Current	Green		44		mA	V _F = 14V
f	Blink Frequency	Green	1.5		3	Hz	V _F = 3.5V~14V

Absolute Maximum Ratings at TA=25°C

Parameter	Green	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.



Green

L-816BGD

