EN: This Datasheet/Document is presented by the manufacturer.

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T-1 (3mm) BLINKING LED LAMP

L-36BGD GREEN

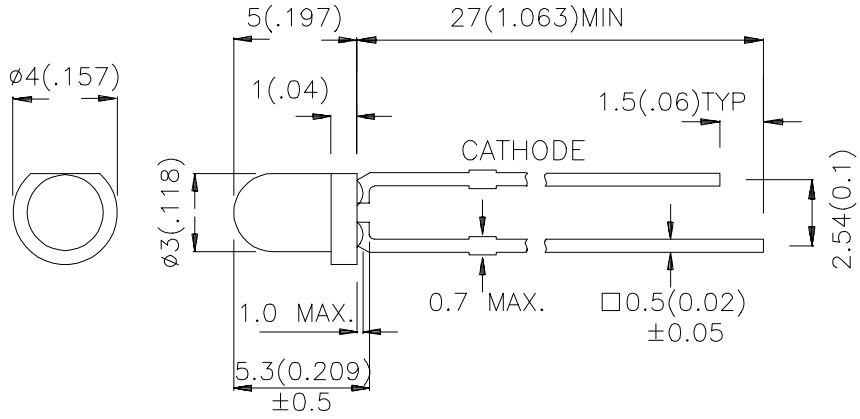
Features

- T-1 PACKAGE .
- WITH BUILT-IN BLINKING IC.
- OPERATION VOLTAGE FROM 3.5V TO 14V.
- BLINKING FREQUENCY FROM 3.0Hz TO 1.5Hz.

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 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-36BGD	GREEN (GaP)	GREEN DIFFUSED	5	15	60°

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

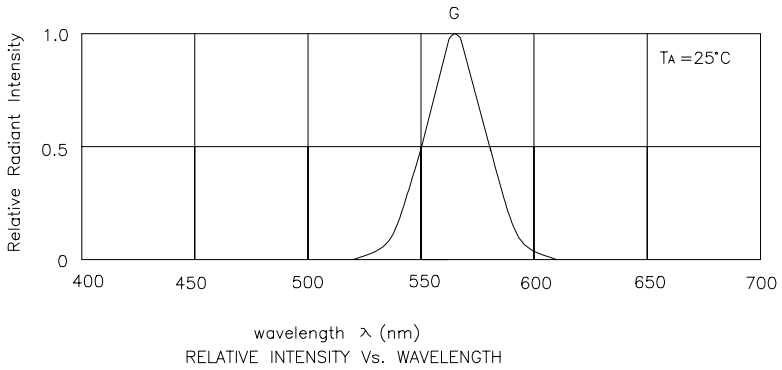
Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Min	Typ	Units	Test Conditions
λpeak	Peak Wavelength	Green		565	nm	
λ D	Dominate Wavelength	Green		568	nm	
Δλ1/2	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		3	Hz	V_F=3.5V
f	Blink Frequency	Green		1.5	Hz	V_F=14V

Absolute Maximum Ratings at T_A=25°C

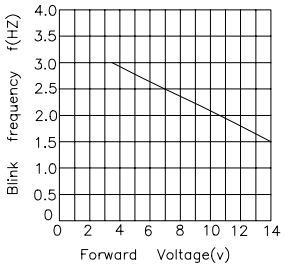
Parameter	Green	Units
Power dissipation	310	mW
Forward Voltage (max.)	14	V
Reverse Voltage	0.5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [1]	260°C For 5 Seconds	

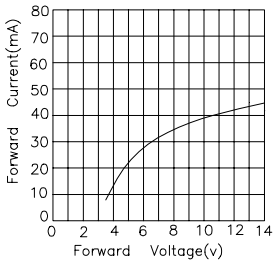
Note:
1. 2mm below package base.

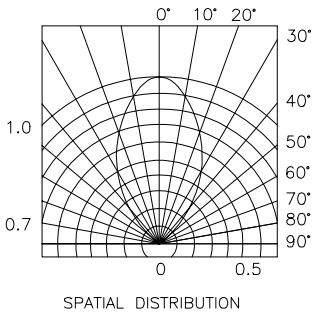


RELATIVE INTENSITY Vs. WAVELENGTH

Green L-36BGD







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