

L-53GD-12V

GREEN

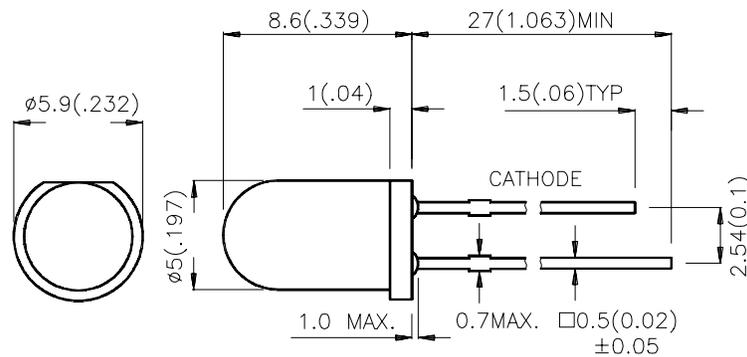
### Features

- LOW POWER CONSUMPTION.
- POPULAR T-1 3/4 DIAMETER PACKAGE.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- 12V INTERNAL RESISTOR.

### 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  $\pm 0.25(0.01)$ " 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=12V		Viewing Angle
			Min.	Typ.	2θ1/2
L-53GD-12V	GREEN (GaP)	GREEN DIFFUSED	8	20	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<sub>A</sub>=25°C

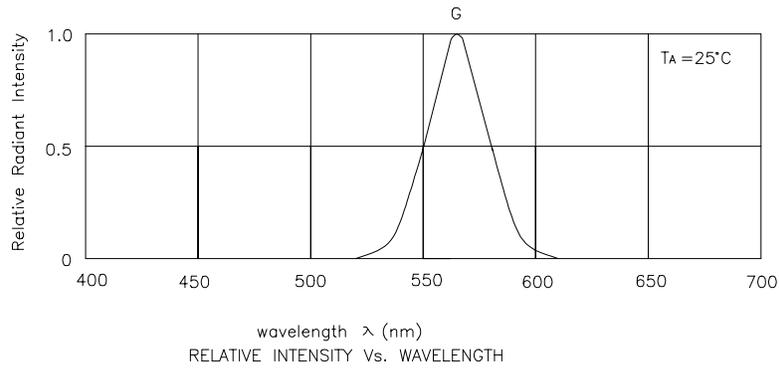
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ <sub>peak</sub>	Peak Wavelength	Green	565		nm	V <sub>F</sub> =12V
λ <sub>D</sub>	Dominate Wavelength	Green	568		nm	V <sub>F</sub> =12V
Δλ <sub>1/2</sub>	Spectral Line Half-width	Green	30		nm	V <sub>F</sub> =12V
I <sub>F</sub>	Forward Current	Green	8.5	11.5	mA	V <sub>F</sub> =12V
I <sub>R</sub>	Reverse Current	Green		10	uA	V <sub>R</sub> =5V

## Absolute Maximum Ratings at T<sub>A</sub>=25°C

Parameter	Green	Units
Power dissipation	120	mW
Forward voltage	14	V
Reverse voltage	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.



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