

L-7113GD-12V

GREEN

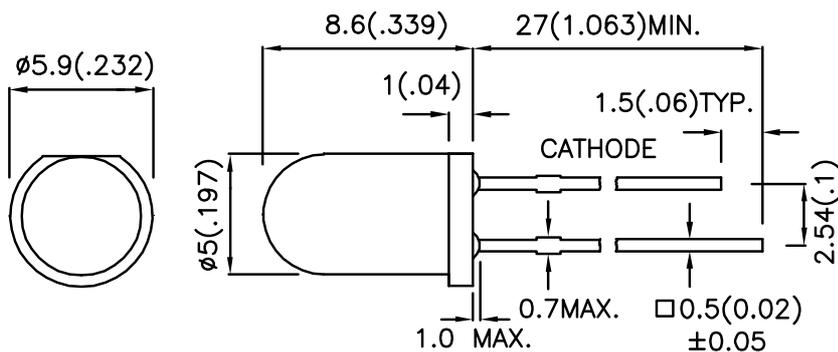
Features

- LOW POWER CONSUMPTION.
- POPULAR T-1 3/4 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.
- 12V INTERNAL RESISTOR.
- 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 leads emerge from the package.
4. Specifications are subject to change without notice.

Selection Guide

| Part No. | Dice | Lens Type | Iv (mcd) V= 12V | | Viewing Angle |
|--------------|-------------|----------------|--------------------|------|------------------|
| | | | Min. | Typ. | 2 θ 1/2 |
| L-7113GD-12V | GREEN (GaP) | GREEN DIFFUSED | 8 | 20 | 30° |

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

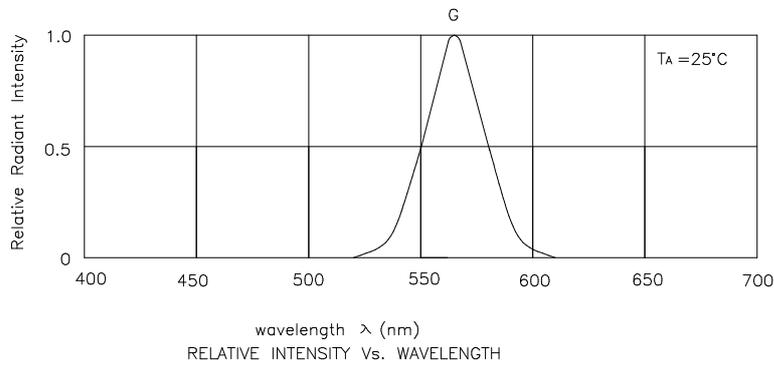
| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|-------------------|--------------------------|--------|------|------|-------|---------------------|
| λ _{peak} | Peak Wavelength | Green | 565 | | nm | V _F =12V |
| λ _D | Dominant Wavelength | Green | 568 | | nm | V _F =12V |
| Δλ _{1/2} | Spectral Line Half-width | Green | 30 | | nm | V _F =12V |
| I _F | Forward Current | Green | 8.5 | 11.5 | mA | V _F =12V |
| I _R | Reverse Current | Green | | 10 | uA | V _R = 5V |

Absolute Maximum Ratings at TA=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 3 Seconds | |
| Lead Solder Temperature[2] | 260°C For 5 Seconds | |

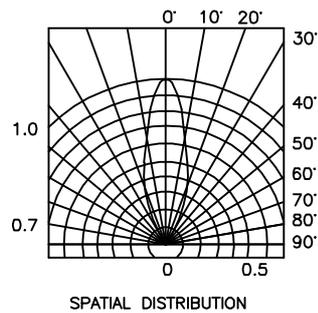
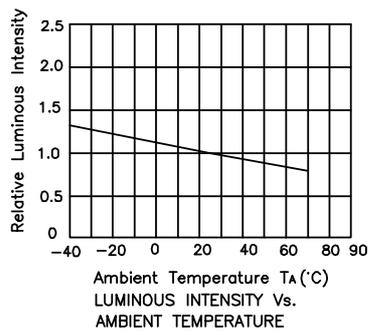
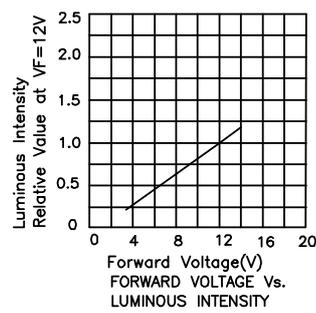
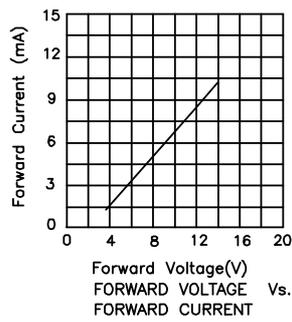
Notes:

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



Green

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Remarks:

If special sorting is required (e.g. binning based on luminous intensity, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity: +/-15%

Note: Accuracy may depend on the sorting parameters.