

Features

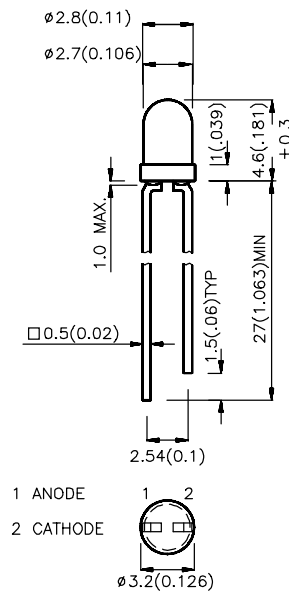
- 12 VOLT SERIES IN T-1 PACKAGES.
- INTEGRAL CURRENT LIMITING RESISTOR.
- NO EXTERNAL CURRENT LIMITER REQUIRED WITH 12 VOLT SUPPLY.
- COST EFFECTIVE - SAVE SPACE AND RESISTOR COST.
- WIDE VIEWING ANGLE.
- AVAILABLE IN ALL COLORS.
- 12V INTERNAL RESISTOR.

L934GD12V GREEN

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 subjected to change without notice.

Selection Guide

| Part No. | Dice | Lens Type | Iv (mcd) V=12V | | Viewing Angle |
|-----------|-------------|----------------|-------------------|------|-----------------|
| | | | Min. | Typ. | $2\theta_{1/2}$ |
| L934GD12V | GREEN (GaP) | GREEN DIFFUSED | 8 | 20 | 60° |

Note:

1. $\theta_{1/2}$ 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

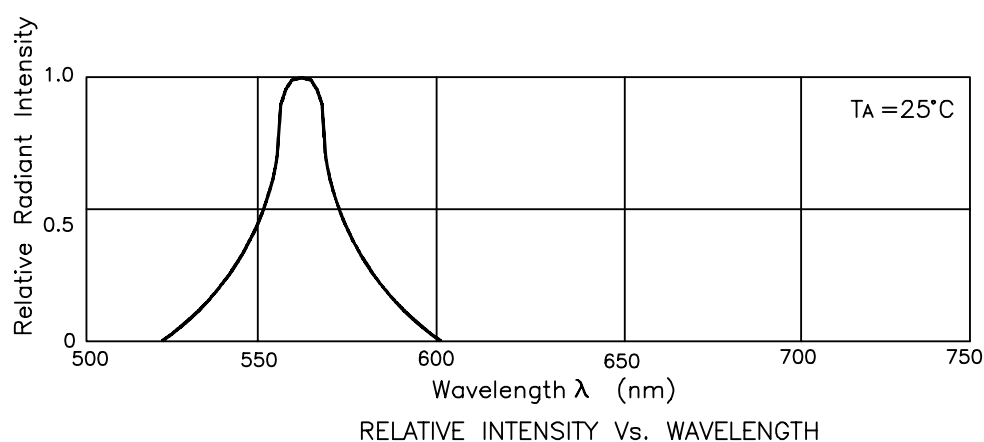
| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|-----------------------|-------------------------|--------|------|------|-------|-----------------|
| λ_{peak} | Peak Wavelength | Green | 565 | | nm | VF=12V |
| λ_D | Dominant Wavelength | Green | 568 | | nm | VF=12V |
| $\Delta\lambda_{1/2}$ | Spectral Line Halfwidth | Green | 30 | | nm | VF=12V |
| I _F | Forward Current | Green | 8.5 | | mA | VF=12V |
| I _R | Reverse Current | All | | 10 | μA | VR = 5V |

Absolute Maximum Ratings at T_A=25°C

| Parameter | Green | Units |
|----------------------------|---------------------|-------|
| Power dissipation | 120 | mW |
| DC Forward Voltage | 14 | V |
| Reverse Voltage | 5 | V |
| Operation Temperature | -40°C To +70°C | |
| Storage Temperature | -40°C To +85°C | |
| Lead Solder Temperature[1] | 260°C For 5 Seconds | |

Notes:

- 1/10 Duty Cycle, 0.1ms Pulse Width.
- 4mm below package base.



Green L934GD12V

