

Features

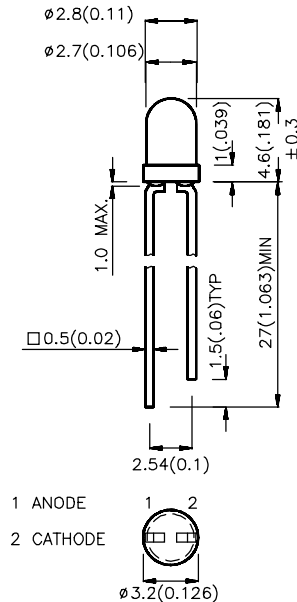
- 5 VOLT SERIES IN T-1 PACKAGES.
- INTEGRAL CURRENT LIMITING RESISTOR.
- NO EXTERNAL CURRENT LIMITER REQUIRED WITH 5 VOLT SUPPLY.
- COST EFFECTIVE - SAVE SPACE AND RESISTOR COST.
- WIDE VIEWING ANGLE.
- AVAILABLE IN ALL COLORS.
- 5V INTERNAL RESISTOR.

L934SGD5V SUPER BRIGHT GREEN

Description

The Super Bright 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 subjected to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) V=5V		Viewing Angle
			Min.	Typ.	
L934SGD5V	SUPER BRIGHT 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 $T_A=25^\circ\text{C}$

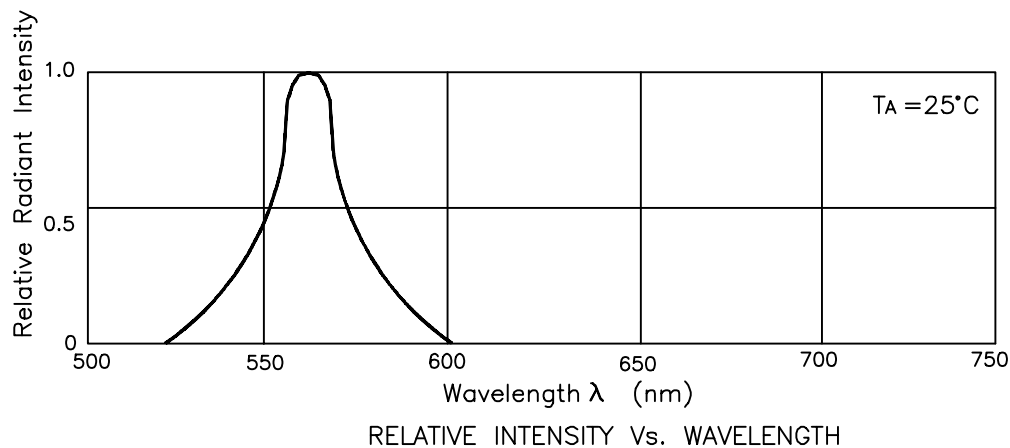
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Super Bright Green	565		nm	$V_F=5V$
λ_D	Dominate Wavelength	Super Bright Green	568		nm	$V_F=5V$
$\Delta\lambda_{1/2}$	Spectral Line Halfwidth	Super Bright Green	30		nm	$V_F=5V$
I_F	Forward Current	Super Bright Green	13		mA	$V_F=5V$
I_R	Reverse Current	All		10	μA	$V_R = 5V$

Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

Parameter	Super Bright Green	Units
Power dissipation	85	mW
DC Forward Voltage	6.5	V
Reverse Voltage	5	V
Operation Temperature	-40°C To $+70^\circ\text{C}$	
Storage Temperature	-40°C To $+85^\circ\text{C}$	
Lead Solder Temperature[1]	260 $^\circ\text{C}$ For 5 Seconds	

Notes:

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



Super Bright Green L934SGD5V

