

T-1 (3mm) SOLID STATE LAMP

P/N: L-934SGC

SUPER BRIGHT GREEN

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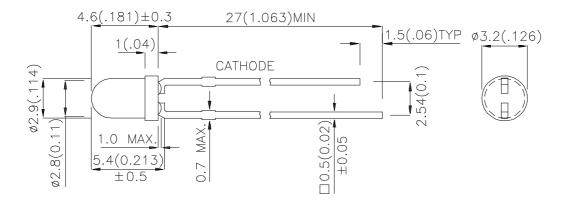
Features

- LOW POWER CONSUMPTION.
- POPULAR T-1 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.
- RoHS COMPLIANT.

Description

The Super Bright Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.

Package Dimensions



- 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.

SPEC NO: DSAA9013 **REV NO: V.7 DATE: APR/17/2006** APPROVED: J. Lu CHECKED: Allen Liu DRAWN: W.J.ZHU

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Selection Guide

Part No.	Dice	Lens Type	lv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Тур.	2 θ 1/2
L-934SGC	SUPER BRIGHT GREEN (GaP)	WATER CLEAR	70	150	50°

Notes:

- $1.\,\theta1/2$ is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
- 2. Luminous Intensity / Luminous Flux: +/-15%.

Electrical / Optical Characteristics at Ta=25 ℃

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Green	565		nm	IF=20mA
λD [1]	Dominant Wavelength	Super Bright Green	568		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Green	30		nm	IF=20mA
С	Capacitance	Super Bright Green	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Green	2.2	2.5	V	IF=20mA
lr	Reverse Current	Super Bright Green		10	uA	VR = 5V

Notes:

- 1.Wavelength: +/-1nm.
- 2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at Ta=25 ℃

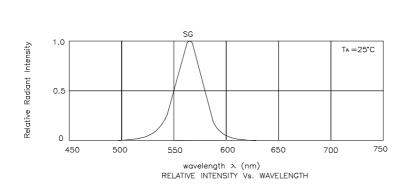
Parameter	Super Bright Green	Units		
Power dissipation	105	mW		
DC Forward Current	25	mA		
Peak Forward Current [1]	140	mA		
Reverse Voltage	5	V		
Operating / Storage Temperature -40 °C To +85 °C				
Lead Solder Temperature [2]	260 ℃ For 3 Seconds			
Lead Solder Temperature [3]	260 ℃ For 5 Seconds			

Notes:

- 1. 1/10 Duty Cycle, 0.1ms Pulse Width.
- 2. 2mm below package base.
- 3. 5mm below package base.

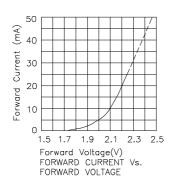
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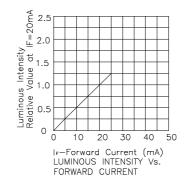
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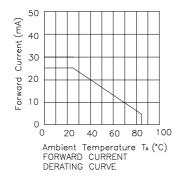


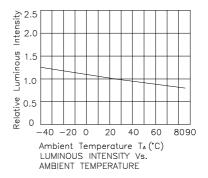
Super Bright Green

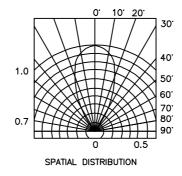
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