

W934SGD12V

SUPER BRIGHT GREEN

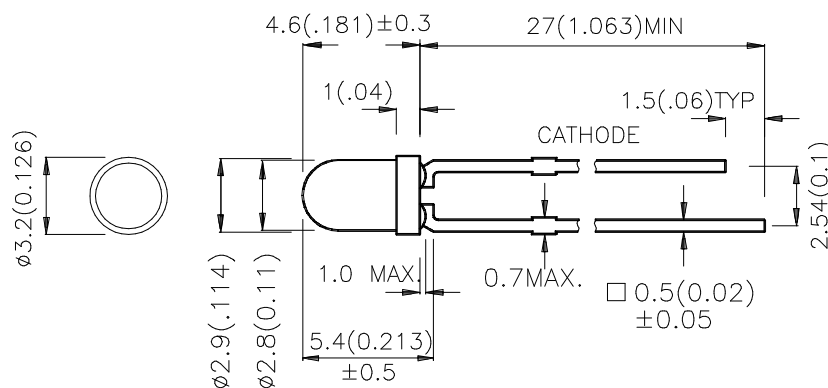
Features

- LOW POWER CONSUMPTION.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.
- 12V INTERNAL RESISTOR.

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 $\pm 0.25(0.01)$ 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
W934SGD12V	SUPER BRIGHT 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_A=25°C

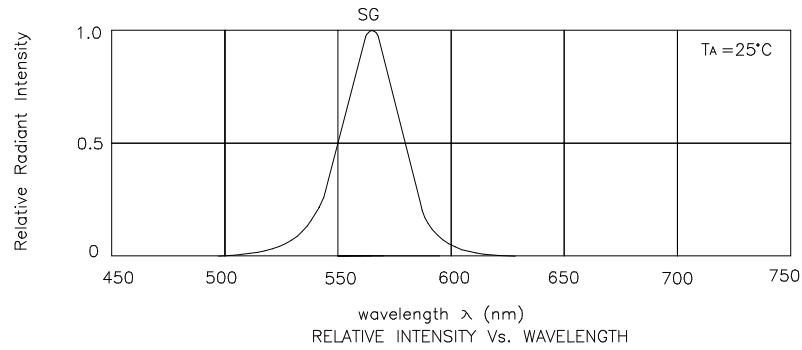
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Super Bright Green	565		nm	V _F =12V
λ _D	Dominate Wavelength	Super Bright Green	568		nm	V _F =12V
Δλ _{1/2}	Spectral Line Half-width	Super Bright Green	30		nm	V _F =12V
I _F	Forward Current	Super Bright Green	8.5	11.5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

Absolute Maximum Ratings at T_A=25°C

Parameter	Super Bright 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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