W934GD5V GREEN

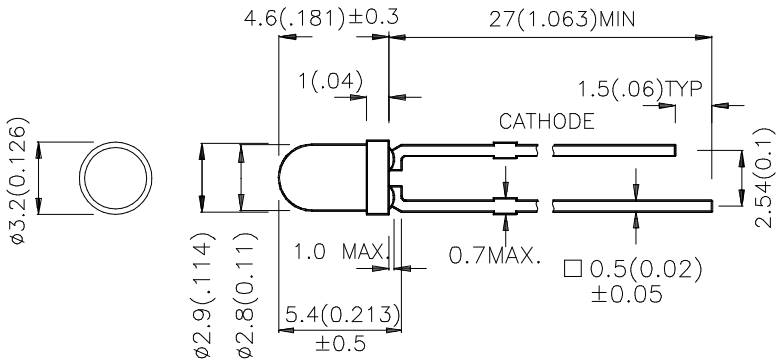
Features

- ●LOW POWER CONSUMPTION.
- ●GENERAL PURPOSE LEADS.
- ●RELIABLE AND RUGGED.
- ●LONG LIFE - SOLID STATE RELIABILITY.
- ●AVAILABLE ON T APE AND REEL.
- ●5V INTERNAL RESISTOR.

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 lead emerge package.
4. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) V=5V		Viewing Angle
			Min.	Typ.	2θ1/2
W934GD5V	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.

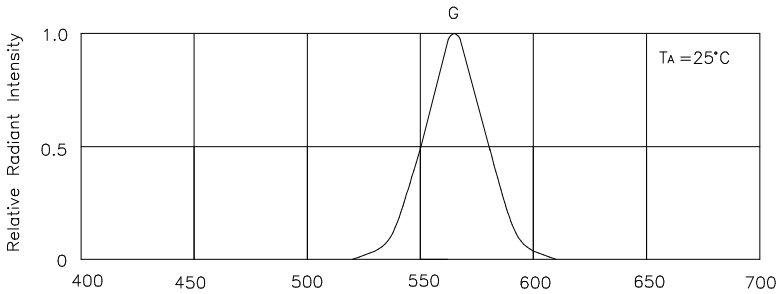
Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Green	565		nm	V_F=5V
λD	Dominate Wavelength	Green	568		nm	V_F=5V
Δλ1/2	Spectral Line Half-width	Green	30		nm	V_F=5V
C	Capacitance	Green	15		pF	V_F=0,f=1MHz
I_F	Forward Current	Green	11.5	17.5	mA	V_F=5V
I_R	Reverse Current	Green		10	uA	V_R = 5V

Absolute Maximum Ratings at T_A=25°C

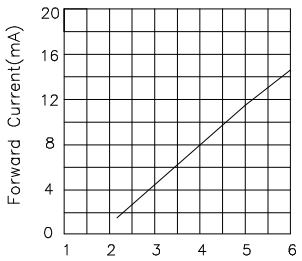
Parameter	Green	Units
Power dissipation	85	mW
DC Forward Voltage	6	V
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	
Lead Solder Temperature[1]	260°C For 5 Seconds	

Note:
1. 2mm below package base.

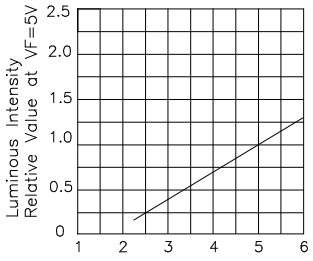


RELATIVE INTENSITY Vs. WAVELENGTH

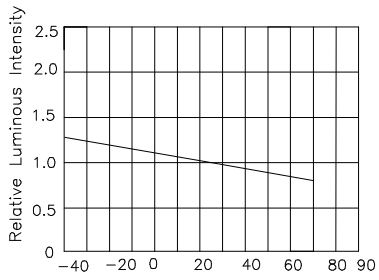
Green **W934GD5V**



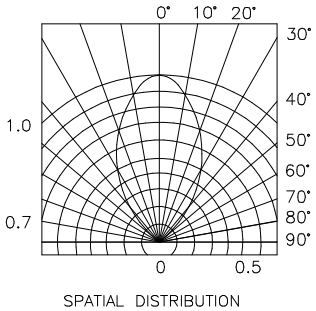
FORWARD VOLTAGE Vs.
FORWARD CURRENT



FORWARD VOLTAGE Vs.
LUMINOUS INTENSITY



LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE



SPATIAL DISTRIBUTION