

L-7113VGD GREEN

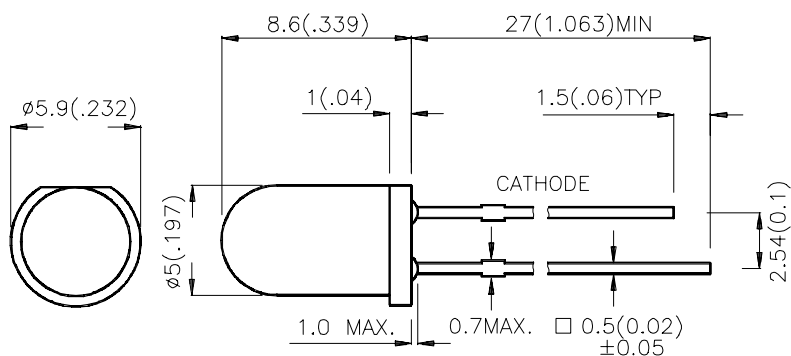
Features

- ULTRA BRIGHTNESS.
- DIFFUSED LENS.
- OUTSTANDING MATERIAL EFFICIENCY.
- RELIABLE AND RUGGED.
- IC COMPATIBLE/LOW CURRENT CAPABILITY.

Description

The Green source color devices are made with InGaN on SiC 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) @ 20 mA		Viewing Angle
			Min.	Typ.	2θ1/2
L-7113VGD	GREEN(InGaN)	GREEN DIFFUSED	100	300	30°

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

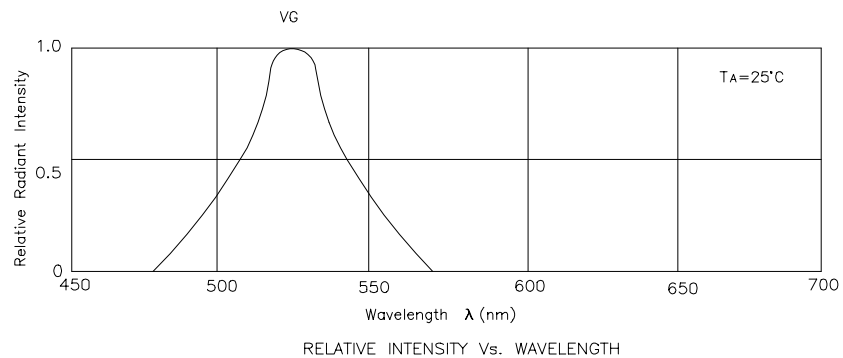
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Green	525		nm	IF=20mA
λ _D	Dominate Wavelength	Green	520		nm	IF=20mA
Δλ _{1/2}	Spectral Line Halfwidth	Green	38		nm	IF=20mA
C	Capacitance	Green	53		pF	VF=0V;f=1MHz
V _F	Forward Voltage	Green	4.0	4.5	V	IF=20mA
I _R	Reverse Current	Green		10	uA	VR = 5V

Absolute Maximum Ratings at T_A=25°C

Parameter	Green	Units
Power dissipation	110	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 4mm below package base.



Green L-7113VGD

