### T-1 3/4 (5mm) VARIABLE HEIGHT LED BOARD INDICATOR

Part Number: L-7113BR-9.52/GD

Green

#### **Features**

• LED firmly held by spacer-no additional fixturing or glueing necessary.

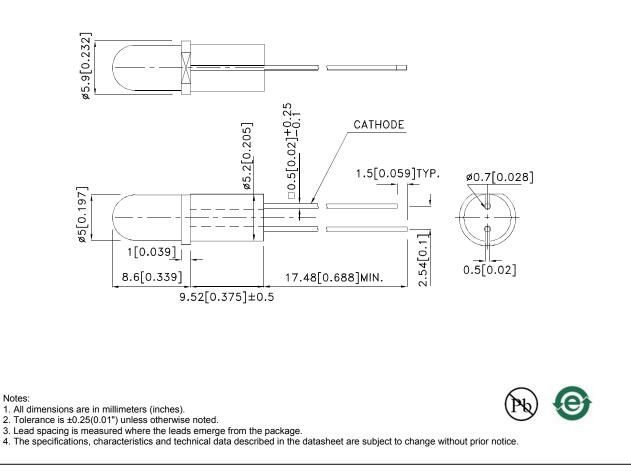
• Suitable for back panel illumination, circuit board indicator, LED indicator.

- Housing UL rating:94V-0.
- Housing material: type 66 nylon.
- RoHS compliant.

#### Description

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

#### **Package Dimensions**



SPEC NO: DSAE7413 **APPROVED: WYNEC** 

**REV NO: V.7B CHECKED: Allen Liu**  DATE: APR/07/2013 DRAWN: Q.M.Chen

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### **Selection Guide**

Ociection Oulde					
Part No.	Dice	Lens Type	lv (mcd) [2] @ 10mA		Viewing Angle [1]
			Min.	Тур.	201/2
L-7113BR-9.52/GD	Green (GaP)	Green Diffused	15	30	30°

Notes:

1.  $\theta$ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.

Luminous intensity/ luminous Flux: +/-15%.
Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

#### Electrical / Optical Characteristics at TA=25°C

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

Notes:

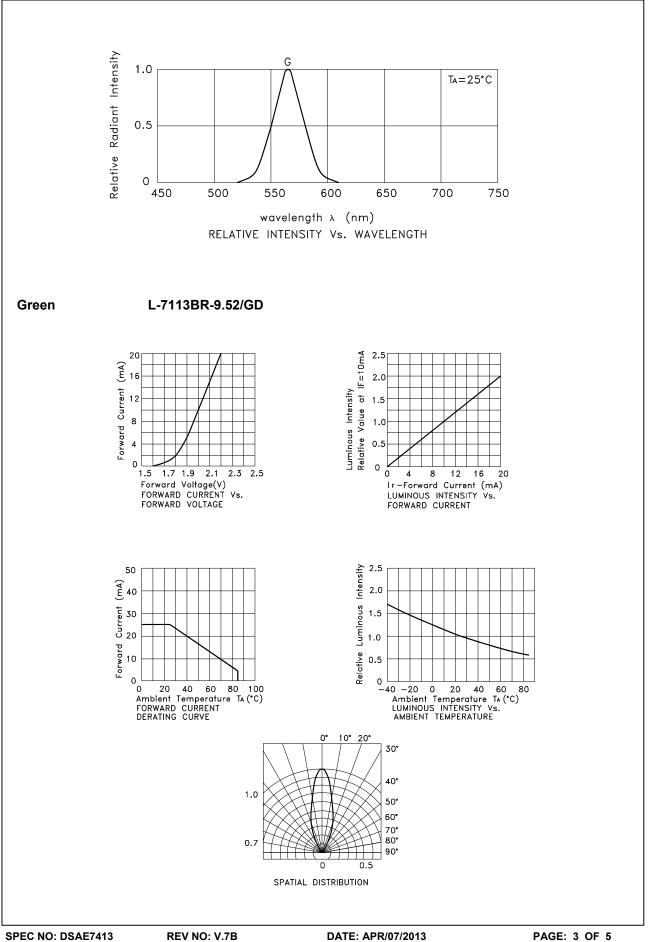
1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. 3. Wavelength value is traceable to the CIE127-2007 compliant national standards.

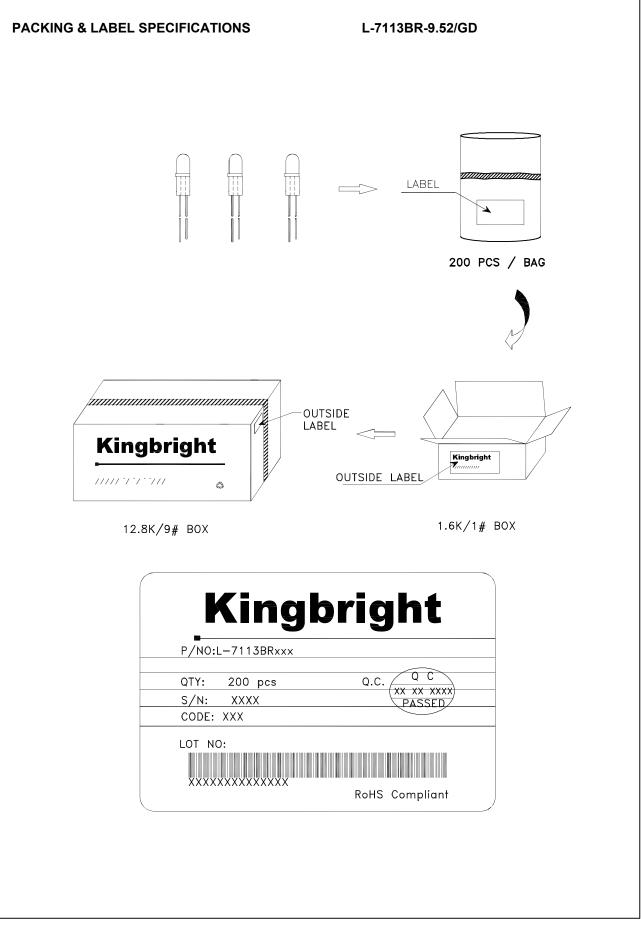
### Absolute Maximum Ratings at TA=25°C

Parameter	Green	Units		
Power dissipation	62.5	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°C For 3 Seconds			
Lead Solder Temperature [3]	260°C For 5 Seconds			

Notes:

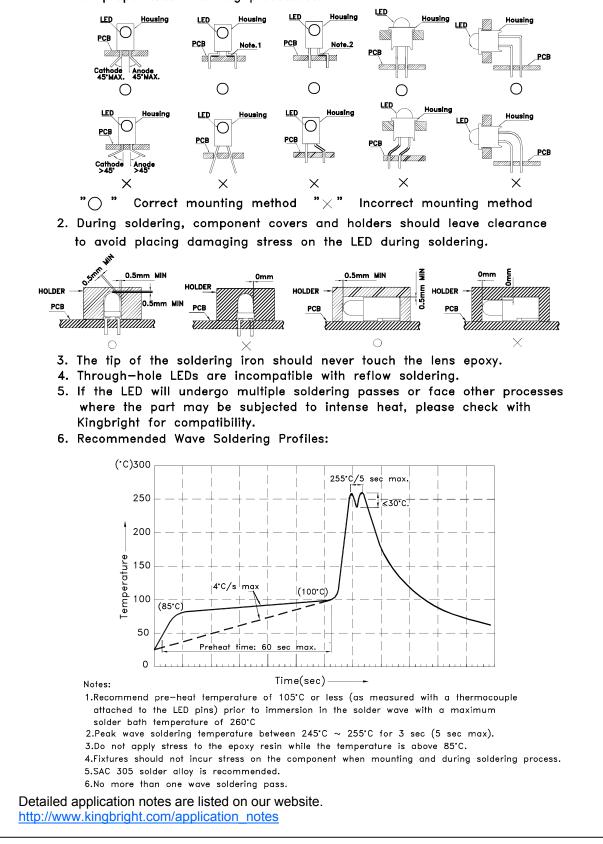
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.
3. 5mm below package base.





## PRECAUTIONS

1. The lead pitch of the LED must match the pitch of the mounting holes on the PCB during component placement. Lead-forming may be required to insure the lead pitch matches the hole pitch. Refer to the figure below for proper lead forming procedures.



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