T-1 (3mm) BI-LEVEL LED INDICATOR

The Green source color devices are made with Gallium

Phosphide Green Light Emitting Diode.

Part Number: L-7104GO/2GD

Description

Green

Features

- Pre-trimmed leads for pc mounting.
- Black case enhances contrast ratio.
- High reliability life measured in years.
- Wide viewing angle.
- Housing UL rating: 94V-0.
- Housing material: type 66 nylon.
- RoHS compliant.

Package Dimensions

11.43(0.45) 5.08(0.2)ø3(0.118) 0+0 0-0.5 4(0.157) LED 1 5.1(0.201 9.65(0.38) 051 LED 2 2.54 (0.1) 0.51(0.02) 3.5(0.138)±0.5 $\Box 0.5(0.02)^{+0.25}_{-0.1}$ 0.7MAX CATHODE 7.62(0.3)±0.5 2.54(0.1) 2.54(0.1)

Notes:

1. All dimensions are in millimeters (inches).

2. Tolerance is ±0.25(0.01") unless otherwise noted.

Lead spacing is measured where the leads emerge from the package.
The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.



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Selection Guide					
Part No.	Dice	Lens Type	lv (mcd) [2] @ 10mA		Viewing Angle [1]
			Min.	Тур.	201/2
L-7104GO/2GD	Green (GaP)	Green Diffused	10	25	40°

Notes:

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

2. Luminous intensity/ luminous Flux: +/-15%.

3. 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	IF=20mA
λD [1]	Dominant Wavelength	Green	568		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Green	30		nm	IF=20mA
С	Capacitance	Green	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Green	2.2	2.5	V	I⊧=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.

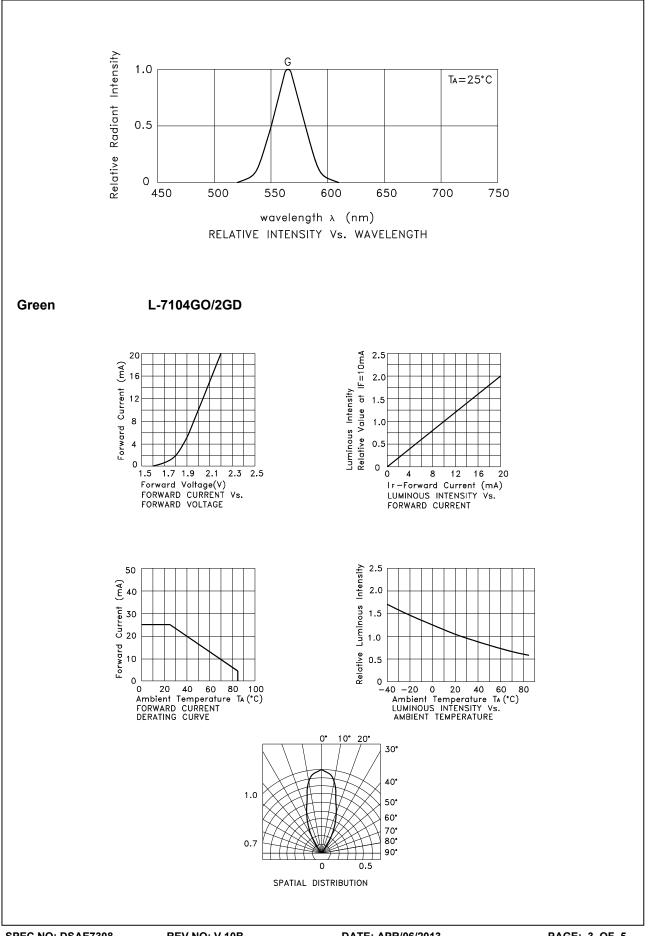
Absolute Maximum Ratings at TA=25°C

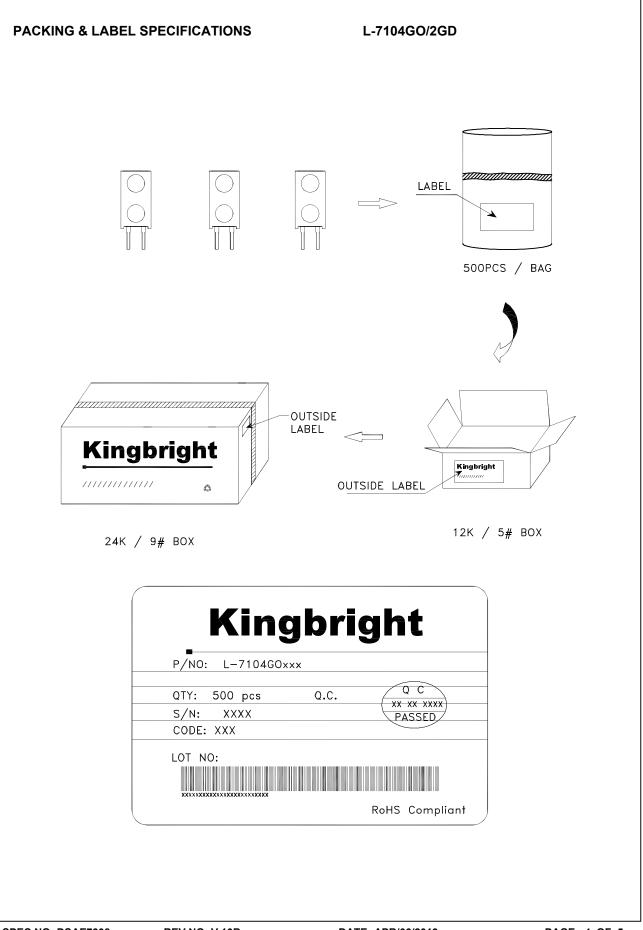
Green		
62.5	mW	
25	mA	
140	mA	
5	V	
-40°C To +85°C		
260°C For 3 Seconds		
260°C For 5 Seconds		
	62.5 25 140 5 -40°C To +85°C 260°C For 3 Seconds	

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.

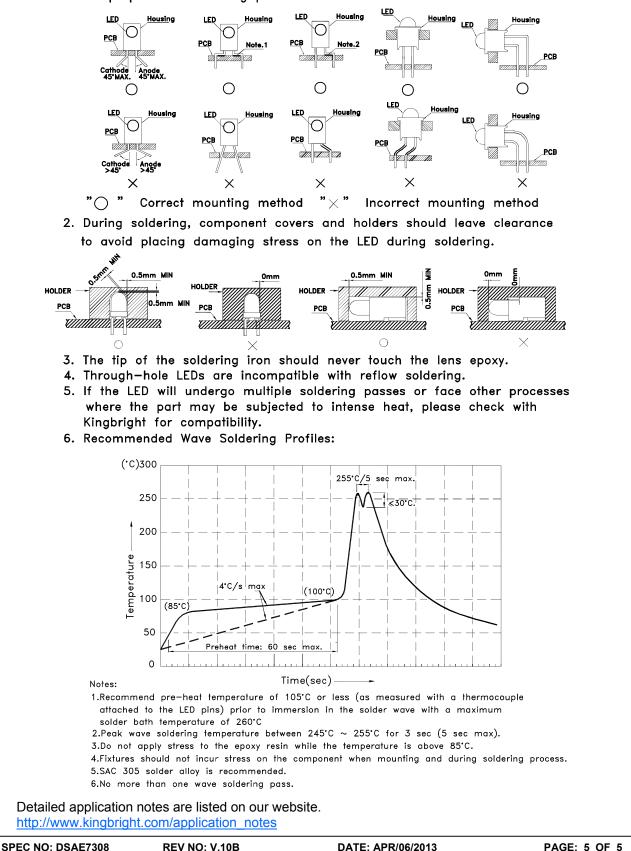
2. 2mm below package base.
3. 5mm below package base.





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.



APPROVED: WYNEC

REV NO: V.10B CHECKED: Allen Liu DATE: APR/06/2013 DRAWN: F.Cui PAGE: 5 OF 5 ERP: 1102012987