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

Part Number: WP130WCP/2GYW

Green Yellow

Features

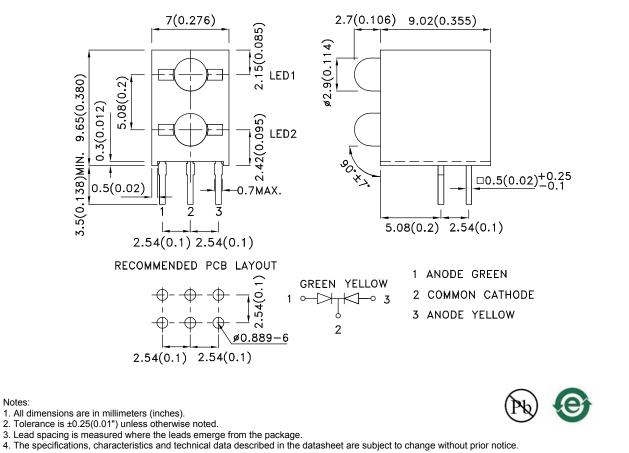
- Bi-level right angle housing LED.
- Pre-trimmed leads for pc board mounting.
- Black case enhances contrast ratio.
- High reliability.
- Housing UL rating:94V-0.
- Housing material: type 66 nylon.
- · RoHS compliant.

Description

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

The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

Package Dimensions



Notes:

REV NO: V.5B CHECKED: Allen Liu

DATE: MAR/18/2013 **DRAWN: F.Cui**

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Selection Guide lv (mcd) [2] Viewing @ 20mA Angle [1] Part No. Dice Lens Type Min. 201/2 Тур. 40 Green (GaP) 18 WP130WCP/2GYW 60° White Diffused Yellow (GaAsP/GaP) 10 20

Notes:

1. θ 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 Yellow	565 590		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Green Yellow	568 588		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Green Yellow	30 35		nm	IF=20mA
С	Capacitance	Green Yellow	15 20		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Green Yellow	2.2 2.1	2.5 2.5	V	IF=20mA
lr	Reverse Current	Green Yellow		10 10	uA	VR = 5V

Notes:

1.Wavelength: +/-1nm.

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

Absolute Maximum Ratings at TA=25°C

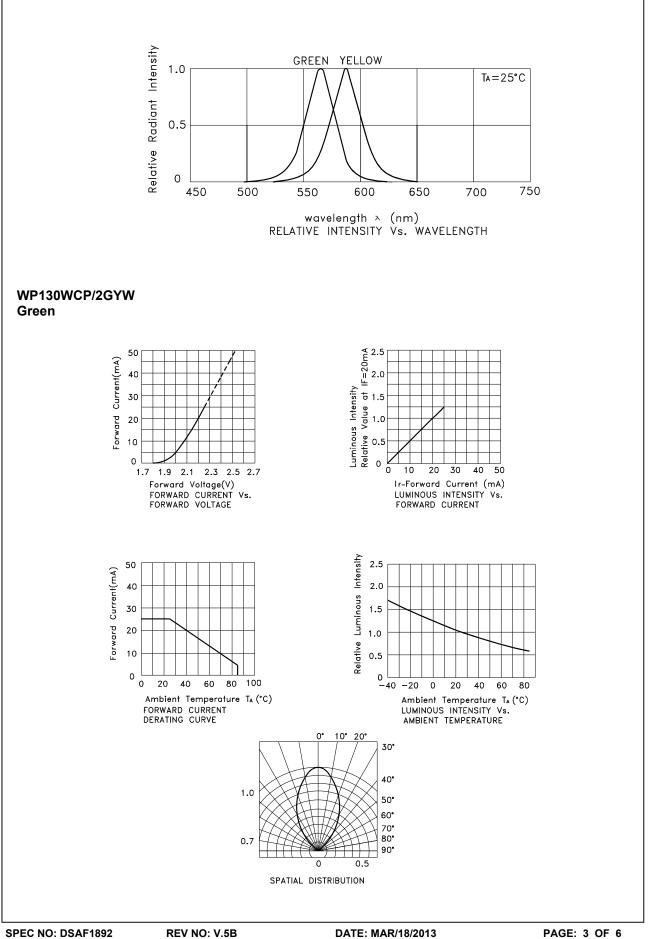
Parameter	Green	Yellow	Units		
Power dissipation	62.5	75	mW		
DC Forward Current	25	25 30			
Peak Forward Current [1]	140	140	mA		
Reverse Voltage	Į	V			
Operating / Storage Temperature	-40°C To +85°C				
Lead Solder Temperature [2]	Solder Temperature [2] 260°C For 3 Seconds				
Lead Solder Temperature [3]	Solder Temperature [3] 260°C For 5 Seconds				

Notes:

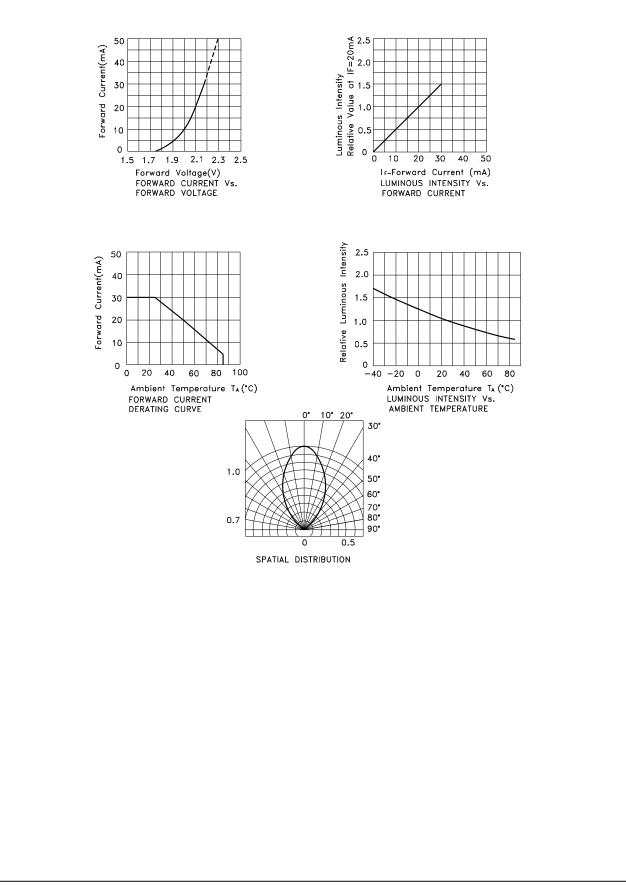
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

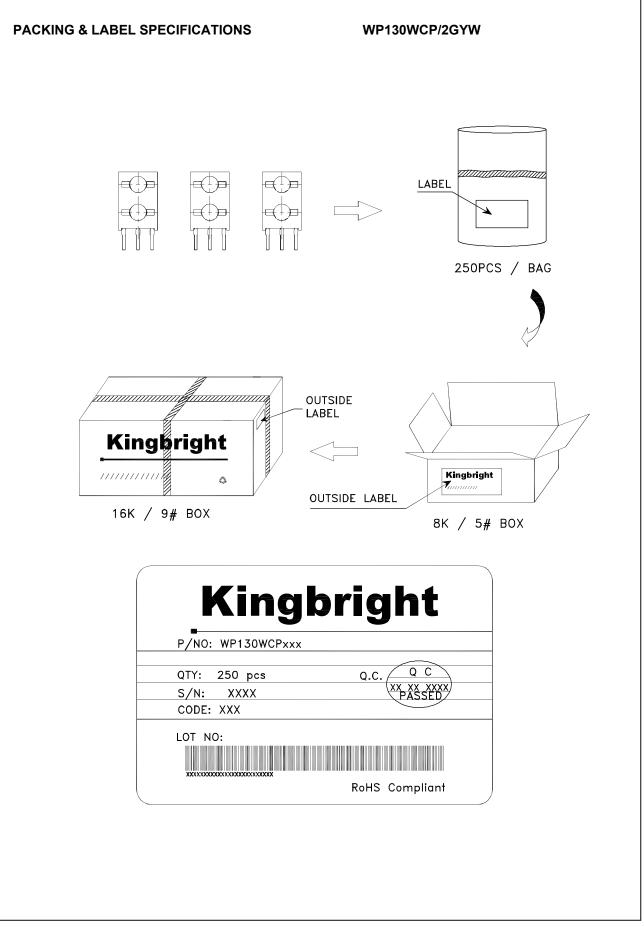
2. 2mm below package base.
3. 5mm below package base.

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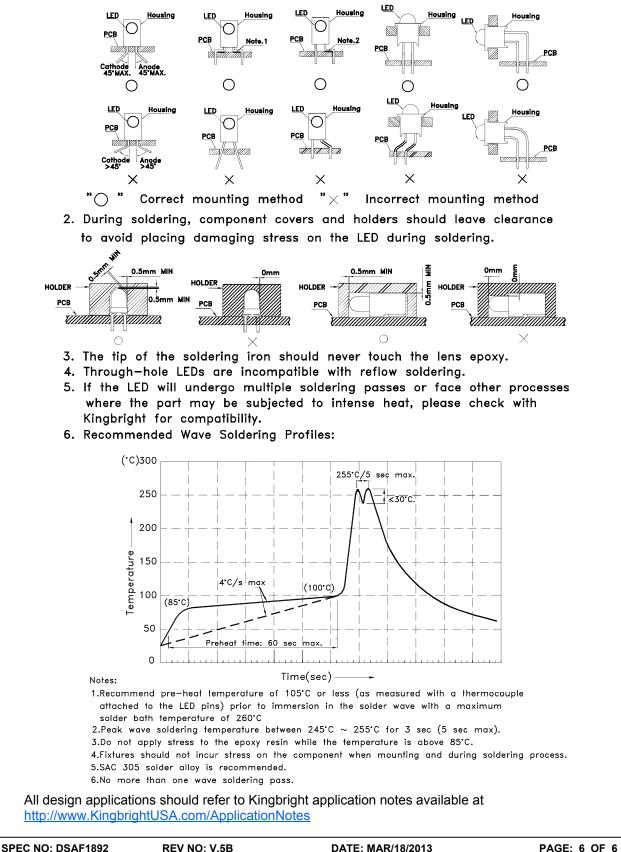
Yellow





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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