### T-1 3/4 (5mm) RIGHT ANGLE LED INDICATOR

Part Number: WP1503CB/GD Green

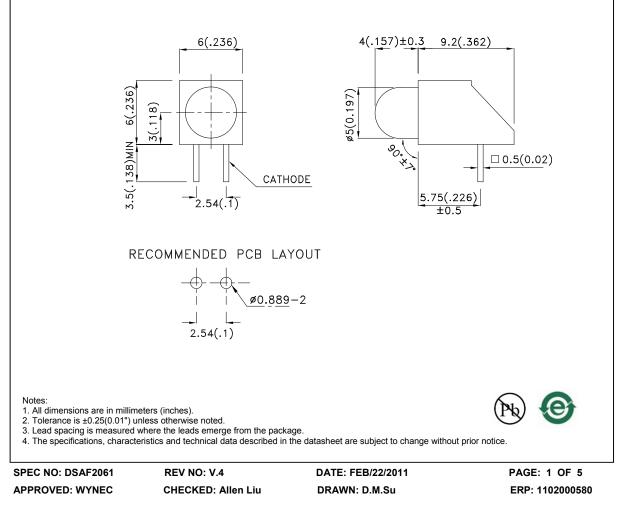
### Features

- Low power consumption.
- Versatile mounting on P.C. board or panel.
- T-1 3/4 diameter flangeless package.
- Reliable and rugged.
- 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



Selection Guide									
Part No.	Dice	Lens Type	lv (mcd) [2] @ 10mA		Viewing Angle [1]				
			Min.	Тур.	201/2				
WP1503CB/GD	Green (GaP)	Green Diffused	25	50	60°				

Notes:

1. 01/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.
Luminous intensity/ luminous Flux: +/-15%.

#### 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.

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

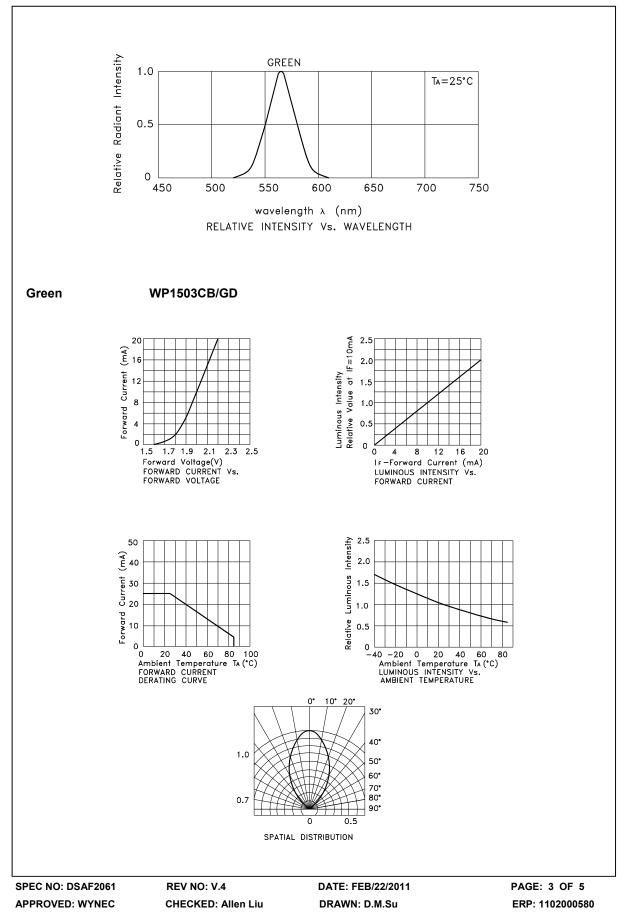
Parameter	Green	Units	
Power dissipation	62.5	mW	
DC Forward Current	25		
Peak Forward Current [1]	140	mA	
Reverse Voltage	5	V	
Operating/Storage Temperature	-40°C To +85°C		
Lead Solder Temperature [2]	260°C For 3 Seconds		
Lead Solder Temperature [3]	260°C For 5 Seconds		

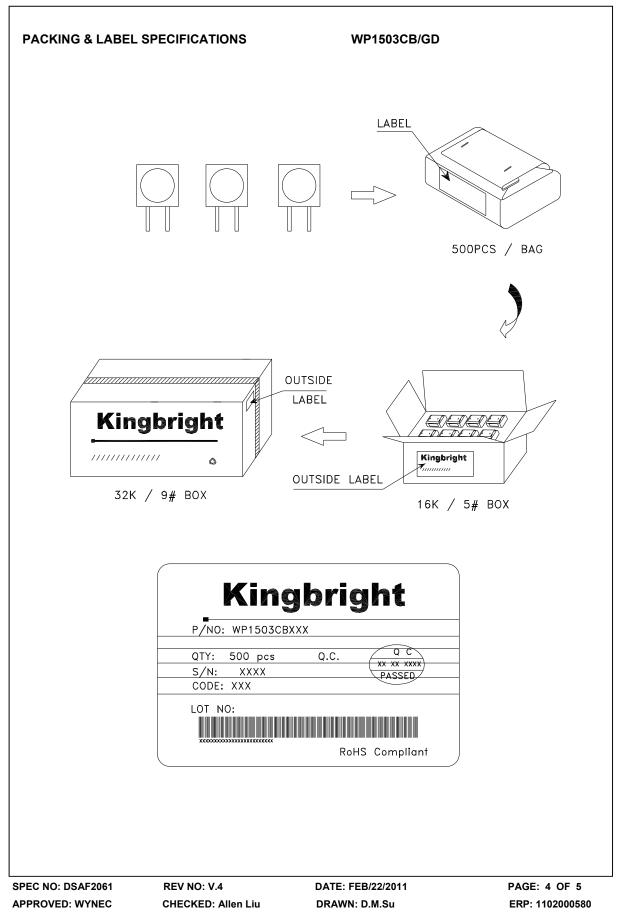
Notes: 1. 1/10 Duty Cycle, 0.1ms Pulse Width. 2. 2mm below package base. 3. 5mm below package base.

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REV NO: V.4 CHECKED: Allen Liu DATE: FEB/22/2011 DRAWN: D.M.Su

PAGE: 2 OF 5 ERP: 1102000580





### 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.

