T-1 (3mm) RIGHT ANGLE LED INDICATOR

Part Number: WP934CB/GD

Green

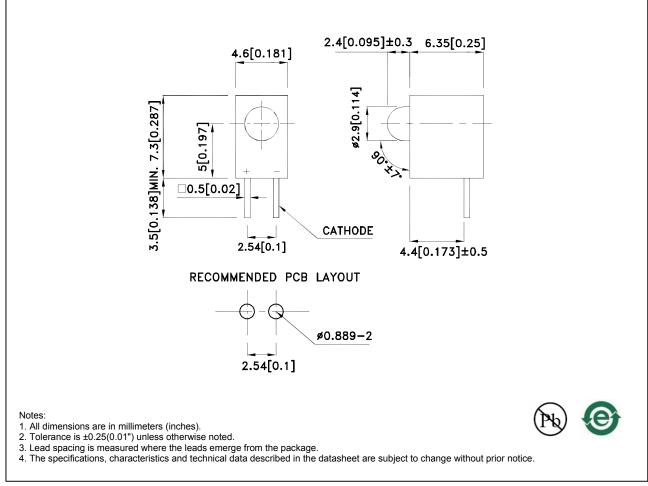
Features

- Pre-trimmed leads for pc mounting.
- Black case enhances contrast ratio.
- Wide viewing angle.
- High reliability life measured in years.
- 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



REV NO: V.6 CHECKED: Allen Liu DATE: APR/11/2011 DRAWN: J.Yu PAGE: 1 OF 5 ERP: 1102012919

Selection Guide

					_	
Part No.	Dice	Lens Type	lv (mcd) [2] @ 10mA		Viewing Angle [1]	
			Min.	Тур.	201/2	
WP934CB/GD	Green (GaP)	Green Diffused	15	30	40°	

Notes:

θ1/2 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

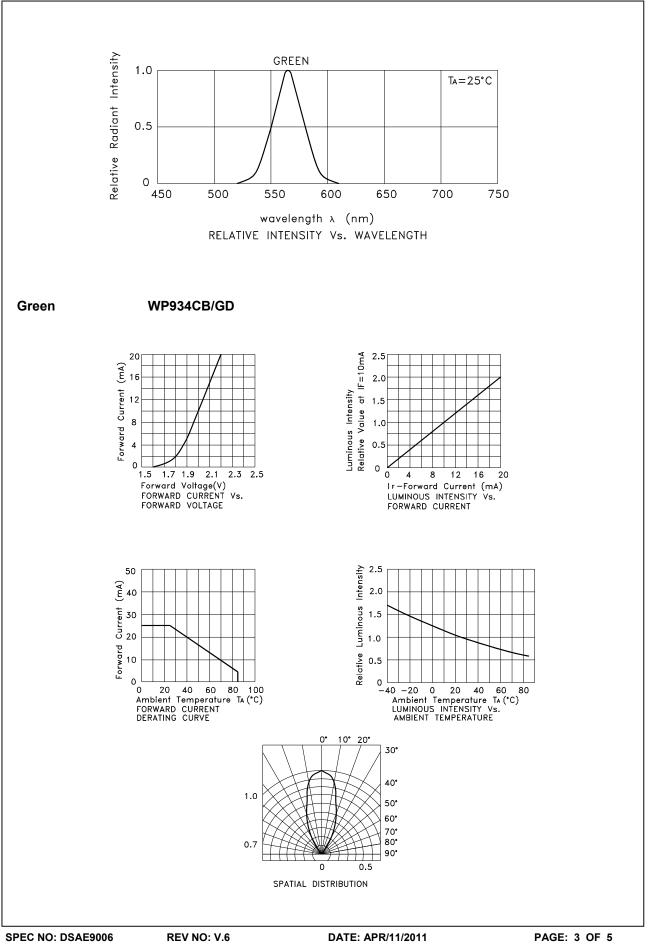
Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions	
λpeak	Peak Wavelength	Green	565		nm	I⊧=20mA	
λD [1]	Dominant Wavelength	Green	568		nm	I⊧=20mA	
Δλ1/2	Spectral Line Half-width	Green	30		nm	I⊧=20mA	
С	Capacitance	Green	15		pF	VF=0V;f=1MHz	
VF [2]	Forward Voltage	Green	2.2	2.5	V	I⊧=20mA	
IR	Reverse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

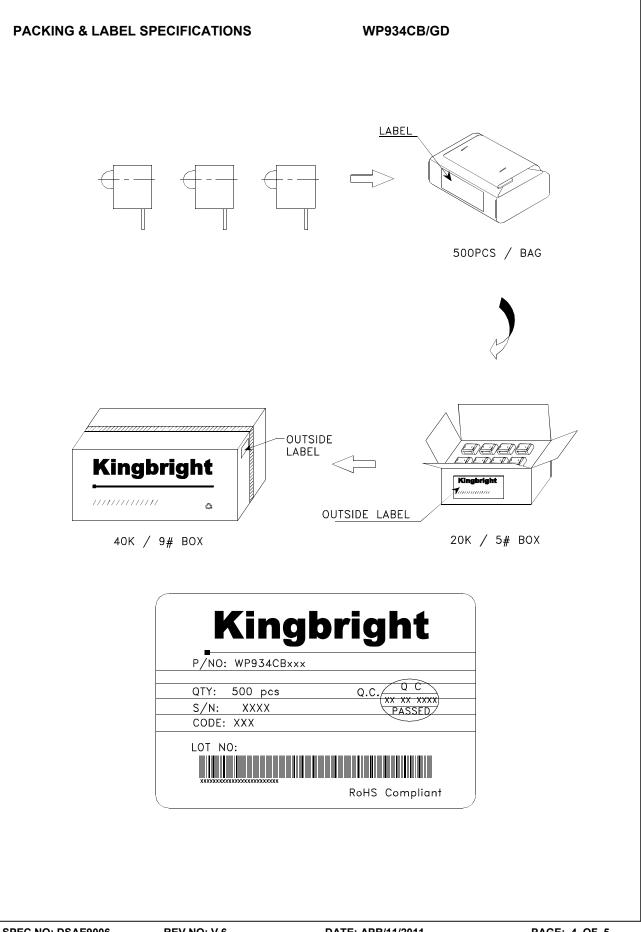
Notes: 1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

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

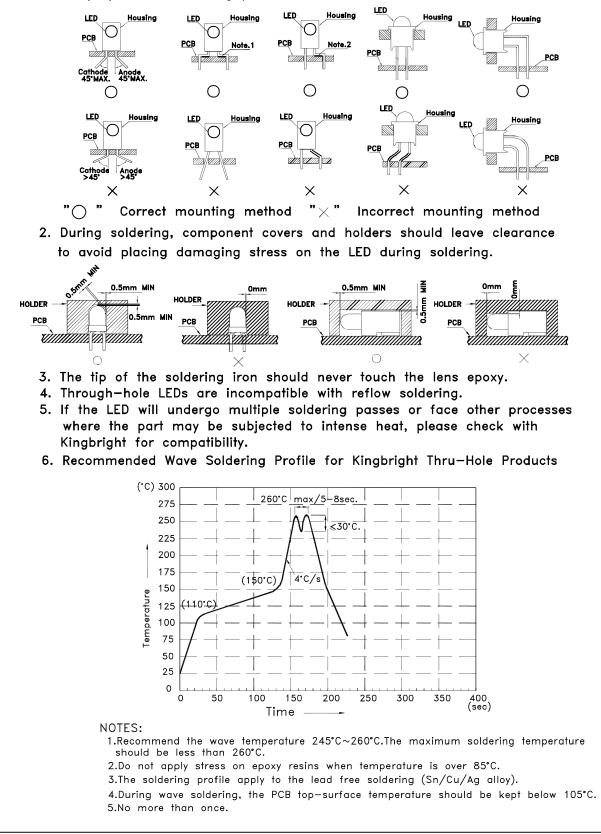
Notes: 1. 1/10 Duty Cycle, 0.1ms Pulse Width. 2. 2mm below package base. 3. 5mm below package base.





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.



DATE: APR/11/2011 DRAWN: J.Yu