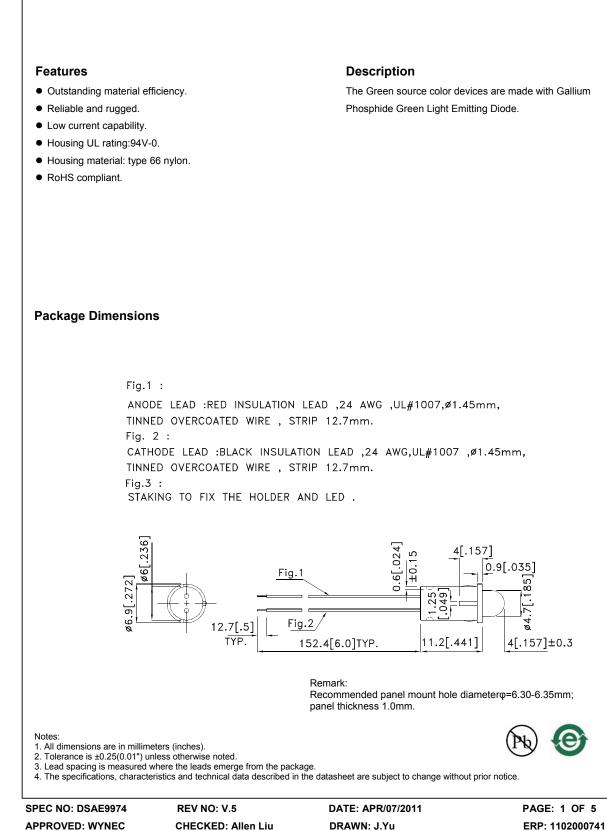
4.7mm HOUSING FOR LED LAMP WITH WIRE

Part Number: WP1533AA/GD-W152 Green



Downloaded from Elcodis.com electronic components distributor

| Selection Guide | | | | | | | | | |
|------------------|-------------|----------------|------------------------|------|----------------------|--|--|--|--|
| Part No. | Dice | Lens Type | lv (mcd) [2] @ 10mA | | Viewing Angle [1] | | | | |
| | | | Min. | Тур. | 201/2 | | | | |
| WP1533AA/GD-W152 | Green (GaP) | Green Diffused | 20 | 50 | 60° | | | | |

Notes:

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 | I⊧=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

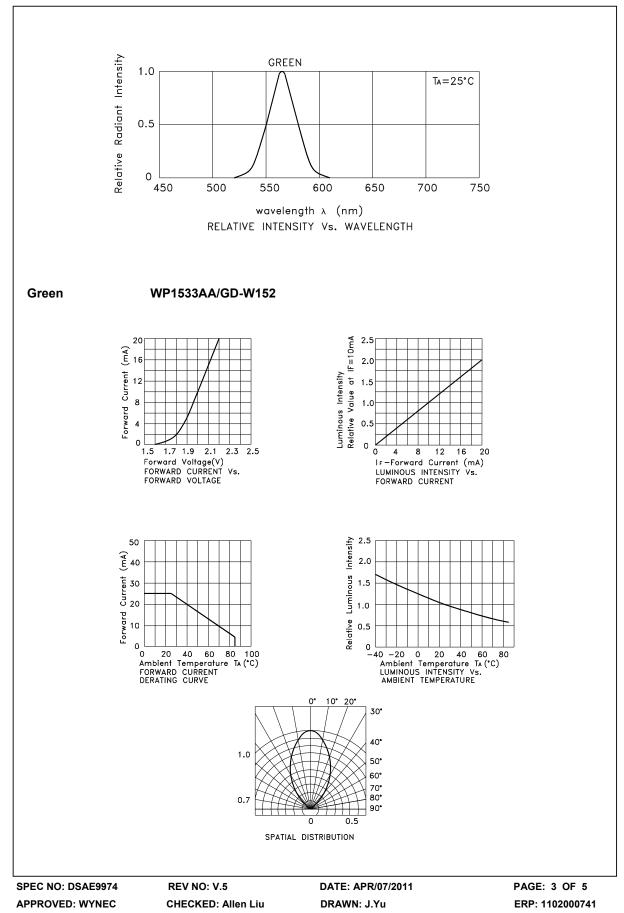
| Parameter | Green | Units | |
|--|--|-------|--|
| Power dissipation | er dissipation 62.5 | | |
| DC Forward Current | 25 | mA | |
| Peak Forward Current [1] | 140 | mA | |
| Reverse Voltage | 5 | V | |
| Operating/Storage Temperature | erating/Storage Temperature -40°C To +85°C | | |
| Lead Solder Temperature [2] | 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. | | | |

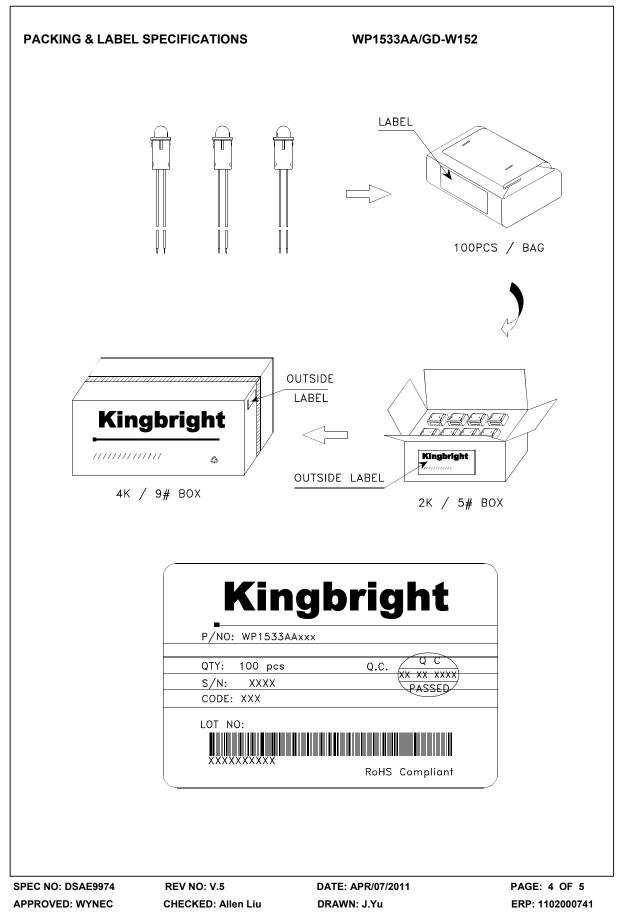
2. 2mm below package base.
3. 5mm below package base.

SPEC NO: DSAE9974 APPROVED: WYNEC

REV NO: V.5 CHECKED: Allen Liu DATE: APR/07/2011 DRAWN: J.Yu

PAGE: 2 OF 5 ERP: 1102000741





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.

