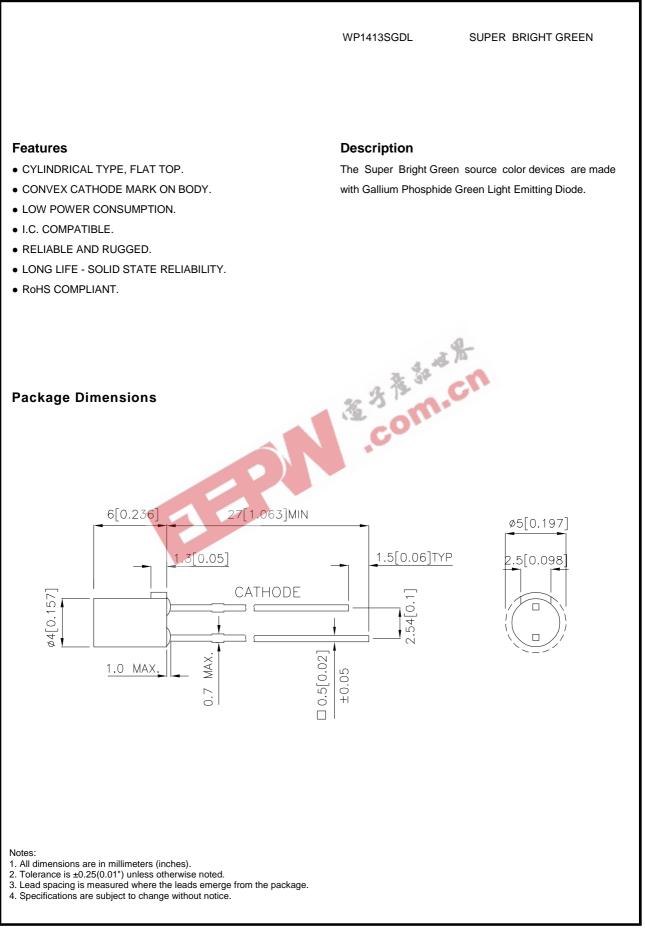
### Kingbright

### 4mm CYLINDRICAL LED LAMP



SPEC NO: DSAF2542 APPROVED: J. Lu REV NO: V.1 CHECKED: Allen Liu DATE:APR/16/2005 DRAWN: B.H.LI PAGE: 1 OF 3 ERP: 1101001464

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Selection G	uide				
Part No.	Dice	Lens Type	lv (mcd) @ 20mA		Viewing Angle
			Min.	Тур.	2 0 1/2
WP1413SGDL	SUPER BRIGHT GREEN (GaP)	GREEN DIFFUSED	2.6	10	100 <b>°</b>

Note:

1.  $\theta$ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

### Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Green	565		nm	IF=20mA
λD	Dominant Wavelength	Super Bright Green	568		nm nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Green	30	34	nm	IF=20mA
С	Capacitance	Super Bright Green	15		pF	VF=0V;f=1MHz
VF	Forward Voltage	Super Bright Green	2.2	2.5	V	IF=20mA
lr	Reverse Current	Super Bright Green		10	uA	VR = 5V



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

Parameter	Super Bright Green			
Power dissipation	105			
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]	Temperature [2] 260°C For 3 Seconds			
Lead Solder Temperature [3]	older Temperature [3] 260°C For 5 Seconds			

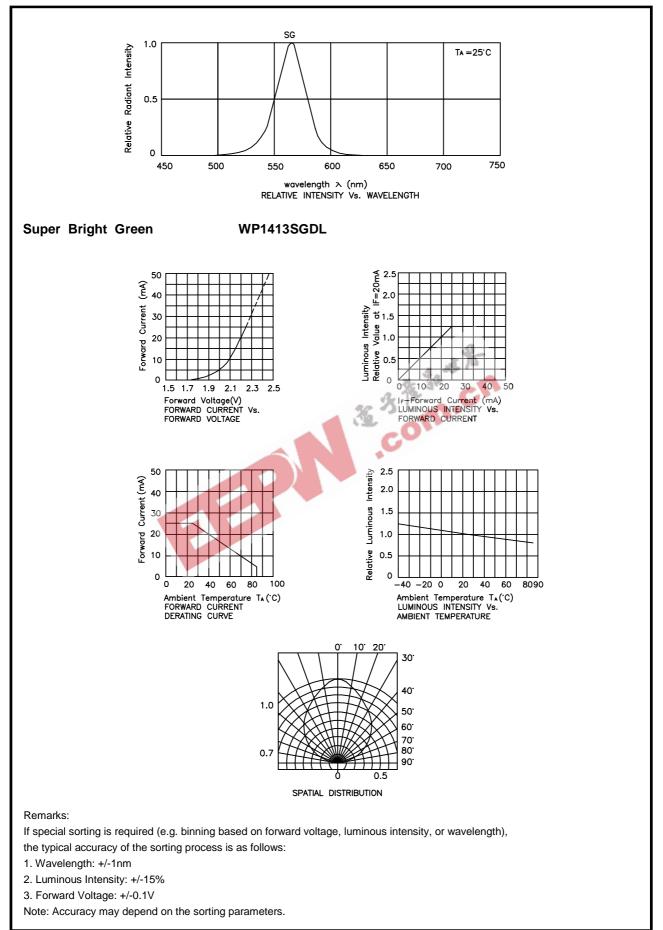
Notes:

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

2. 2mm below package base.

3. 5mm below package base.

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