### 8.89mmx3.81mm LED LIGHT BAR

Part Number: KB2500CGKD

Green

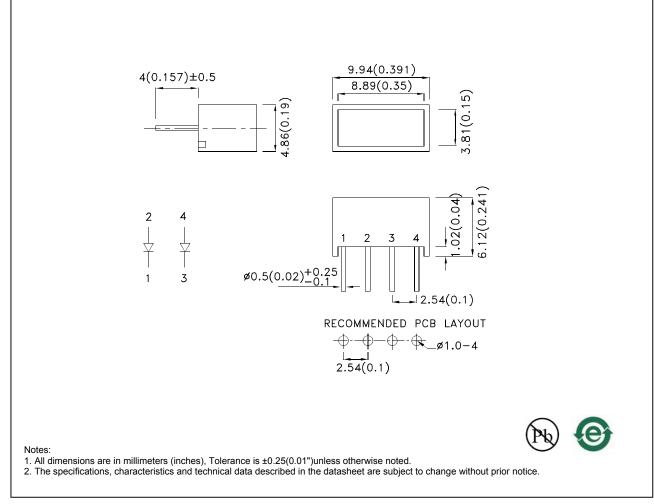
#### Features

- Uniform light emitting area.
- Low current operation.
- Easily mounted on P.C. boards.
- Flush mountable.
- Excellent on/off contrast.
- Can be used with panels and legend mounts.
- Categorized for luminous intensity.
- RoHS compliant.

#### Description

The Green source color devices are made with AlGaInP on GaAs substrate Light Emitting Diode.

#### Package Dimensions& Internal Circuit Diagram



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Selection Guide Part No.	Dice	Lens Type	lv (mo @ 2		
			Min.	Тур.	
		Ora en Differend	40	75	
KB2500CGKD	Green (AlGaInP)	Green Diffused	*12	*25	

Notes:

1. 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	574		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Green	570		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Green	20		nm	I⊧=20mA
С	Capacitance	Green	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Green	2.1	2.5	V	I⊧=20mA
IR	Reverse Current	Green		10	uA	VR=5V

Notes:

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

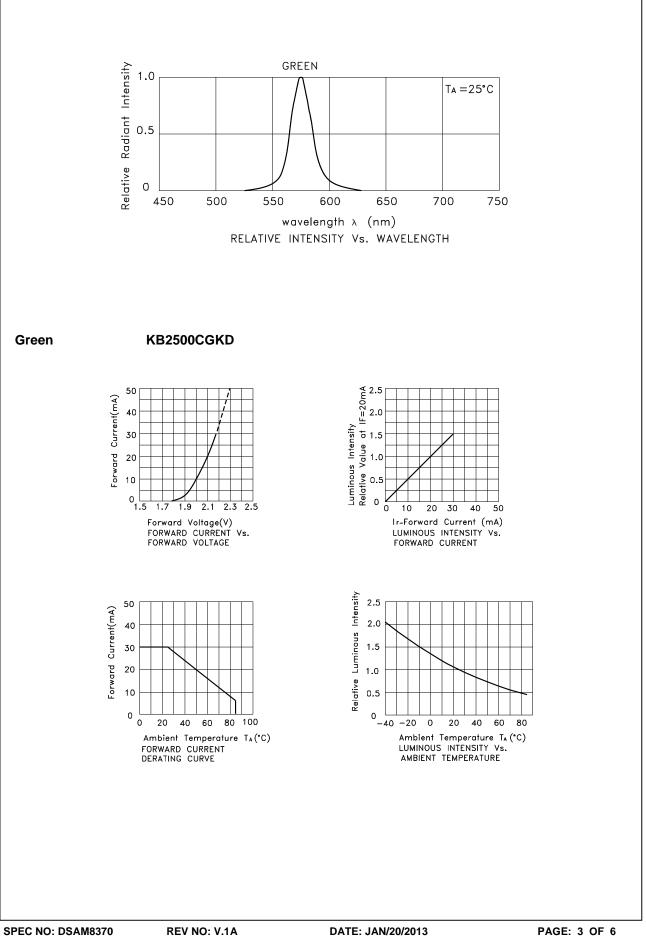
3. Wavelength value is traceable to the CIE127-2007 compliant national standards.

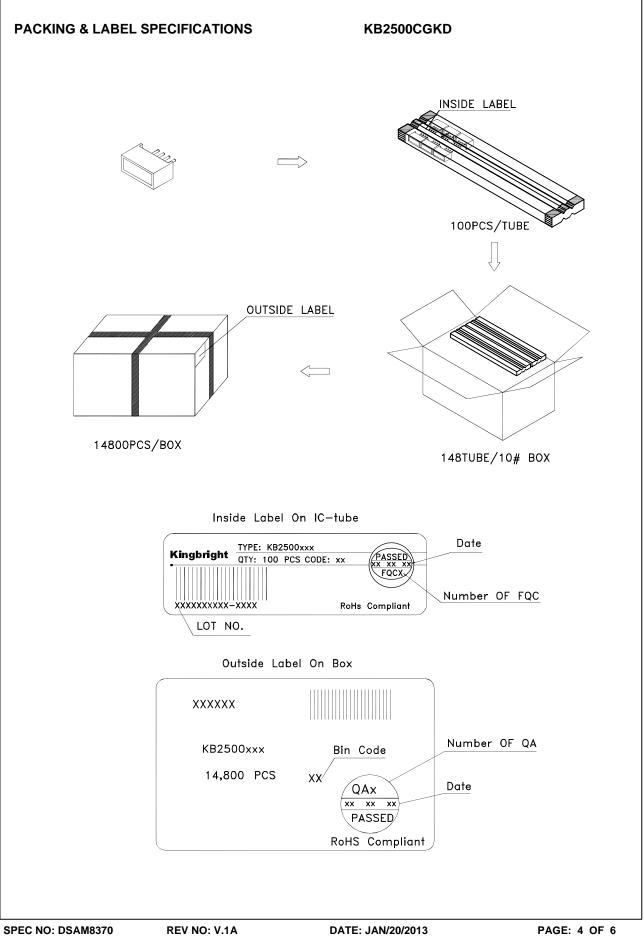
#### Absolute Maximum Ratings at TA=25°C

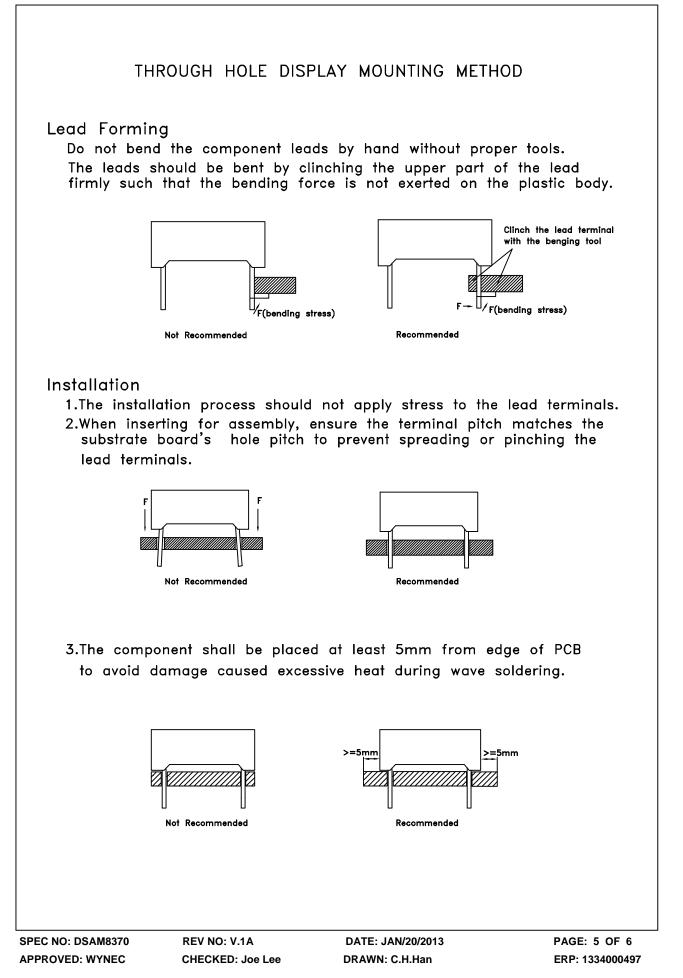
Parameter	Green	Units		
Power dissipation	75	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	150	mA		
Reverse Voltage	5	V		
Operating / Storage Temperature	-40°C To +85°C			
Lead Solder Temperature[2]	260°C For 3-5 Seconds			

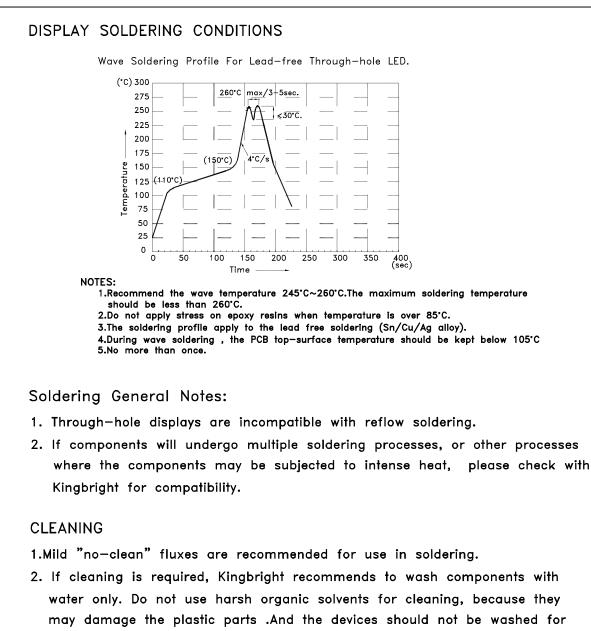
Notes:

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





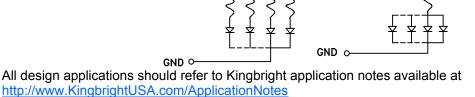




### CIRCUIT DESIGN NOTES

more than one minute.

1.Protective current-limiting resistors may be necessary to operate the Displays.2.LEDs mounted in parallel should each be placed in series with its own current-limiting resistor.



Recommended Set-up

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invalid Set-up