14.22mm (0.56INCH) FOUR DIGIT NUMERIC DISPLAY

Part Number: CC56-12CGKWA

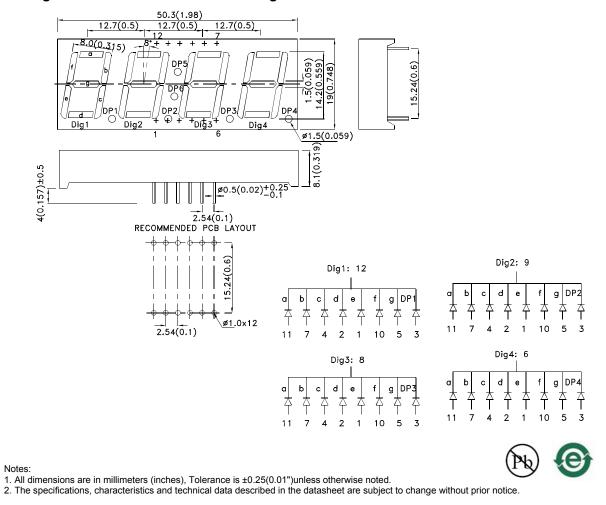
Green

Features

- 0.56 inch digit height.
- Low current operation.
- Excellent character appearance.
- Easy mounting on P.C. boards or sockets.
- Mechanically rugged.
- Standard : gray face, white segment.
- RoHS compliant.

Description

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



Package Dimensions& Internal Circuit Diagram

SPEC NO: DSAH8857 APPROVED: WYNEC REV NO: V.7A CHECKED: Joe Lee DATE: OCT/17/2014 DRAWN: P.Cheng PAGE: 1 OF 6 ERP: 1304000391

| Selection Guide | | | | | | | | | |
|-----------------|-----------------|----------------|------------------------|--------|---------------------|--|--|--|--|
| Part No. | Dice | Lens Type | lv (ucd) [1] @ 10mA | | Description | | | | |
| | | | Min. | Тур. | | | | | |
| CC56-12CGKWA | Green (AlGaInP) | White Diffused | 14000 | 35000 | Common Cathode, Rt. | | | | |
| CC30-12CGRWA | | | *5600 | *12000 | Hand Decimal. | | | | |

Note:

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 |
| lr | 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.

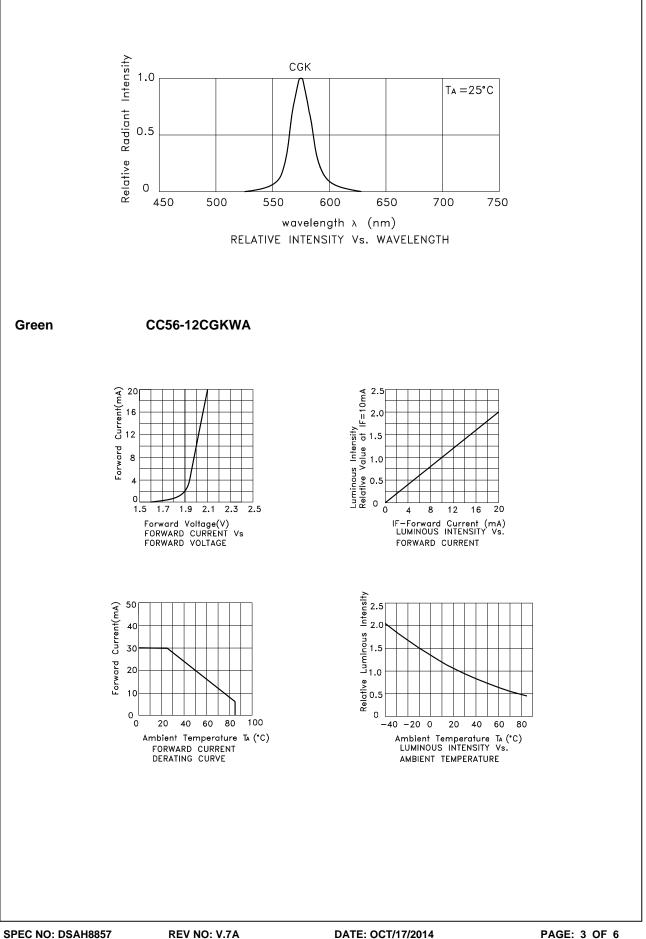
4. Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

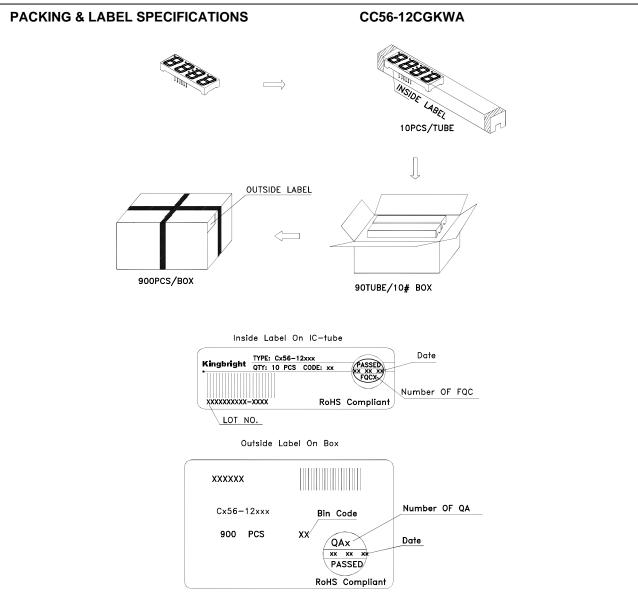
Absolute Maximum Ratings at TA=25°C

| 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.

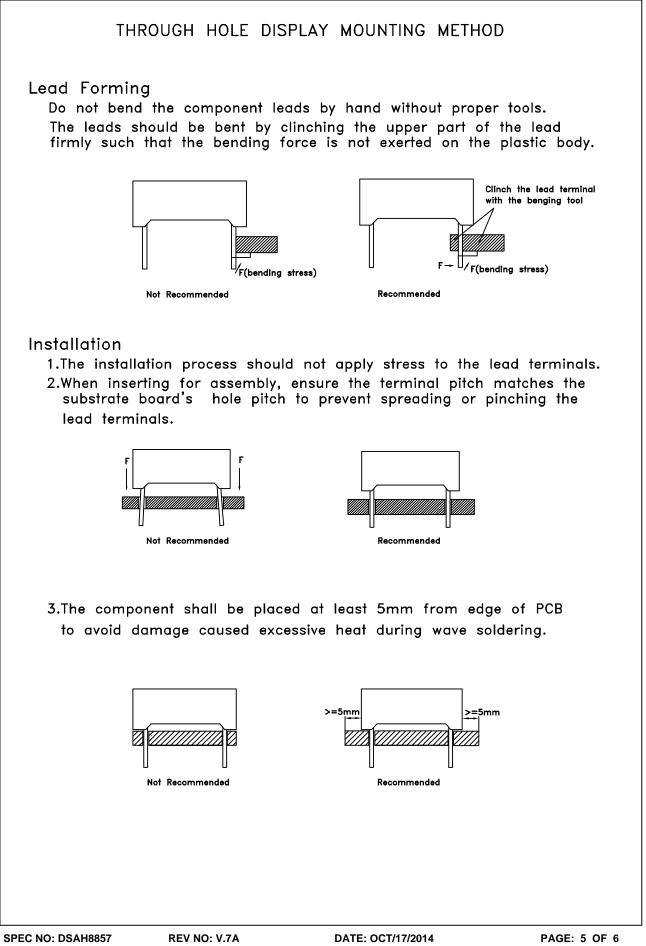


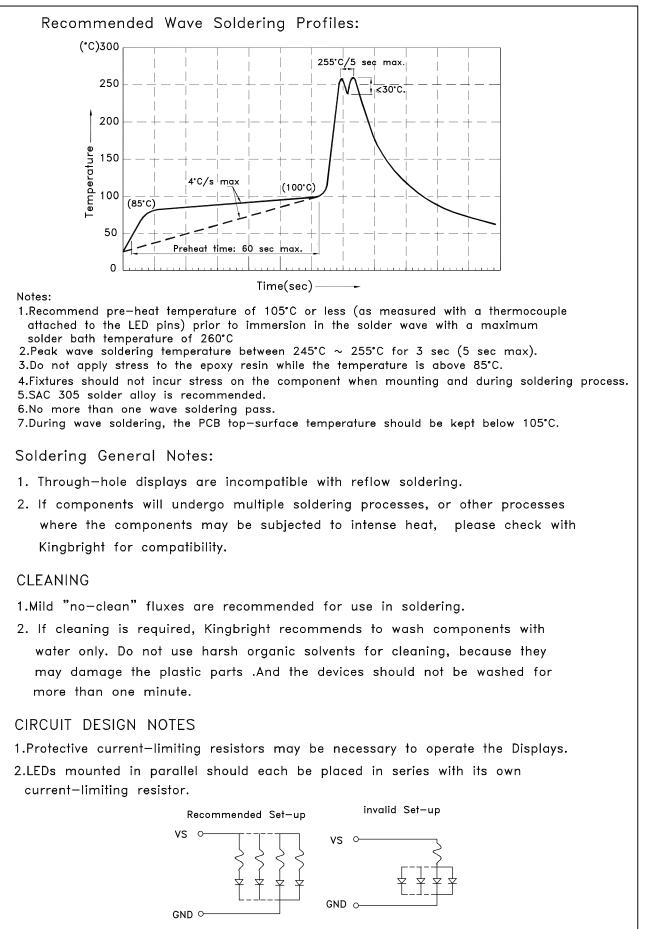


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