

# **DATA SHEET**

# **LED Displays**

1	Order code	Manufacturer code	Description
	57-0256	n/a	CC56-12GWA 14.2MM CC 4-DIG DISP GRN RC

LED Displays	Page 1 of <sub>4</sub>
The enclosed information is believed to be correct, Information may change 'without notice' due to	Revision A <sup>4</sup>
product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	12/12/2006

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# 14.22mm (0.56INCH) FOUR DIGIT NUMERIC DISPLAY

P/N: CC56-12GWA

**GREEN** 

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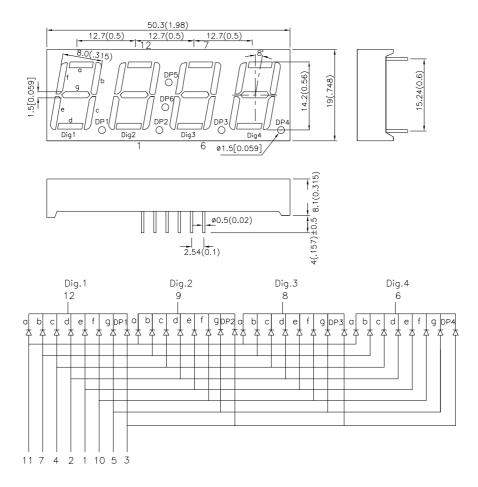
#### **Features**

- ●0.56 INCH DIGIT HEIGHT.
- •LOW CURRENT OPERATION.
- •EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- ●I.C. COMPATIBLE.
- •MECHANICALLY RUGGED.
- •STANDARD: GRAY FACE, WHITE SEGMENT.
- ●RoHS COMPLIANT.

## **Description**

The Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.

## **Package Dimensions & Internal Circuit Diagram**



#### Notes:

- 1. All dimensions are in millimeters (inches), Tolerance is ±0.25(0.01")unless otherwise noted.
- 2. Specifications are subject to change without notice.

SPEC NO: DSAD2376 REV NO: V.4 DATE: NOV/23/2005

APPROVED: J. Lu CHECKED: Joe Lee DRAWN: W.J.ZHU

# Kingbright

## **Selection Guide**

Part No.	Dice	Lens Type	Iv (ucd) @ 10mA		Description
			Min.	Тур.	•
CC56-12GWA	GREEN (GaP)	WHITE DIFFUSED	1900	10500	Common Cathode, Rt. Hand Decimal.

# Electrical / Optical Characteristics at Ta=25°C

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

# Absolute Maximum Ratings at TA=25°C

Parameter	Green	Units		
Power dissipation	105	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]	260°C For 5 Seconds			

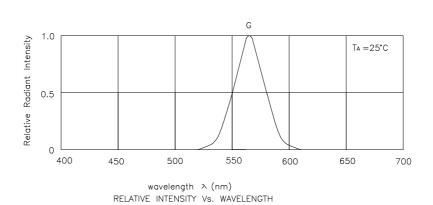
#### Notes

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

2. 2mm below package base.

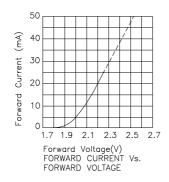
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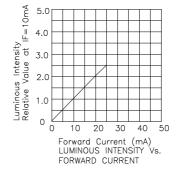
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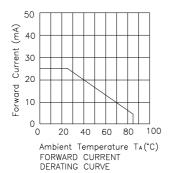


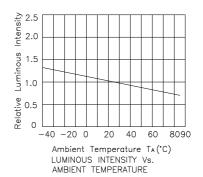
#### Green

### CC56-12GWA









#### Remarks:

If special sorting is required (e.g. binning based on forward voltage, Luminous intensity/ luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

- 1. Wavelength: +/-1nm
- 2. Luminous intensity/ Luminous Flux: +/-15%
- 3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

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