

DATA SHEET

LED Displays

Order code	Manufacturer code	Description		
57-0264	n/a	CC56-11GWA 4-DIGIT NUM DISPLAY GRN CC RC		

LED Displays	Page 1 of 4
The enclosed information is believed to be correct, Information may change 'without notice' due to	Revision A
product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	04/07/2003

Sales: 01206 751166 Sales@rapidelec.co.uk Technical: 01206 835555 Tech@rapidelec.co.uk Fax: 01206 7551188 www.rapidelectronics.co.uk

P/N: CC56-11GWA

GREEN

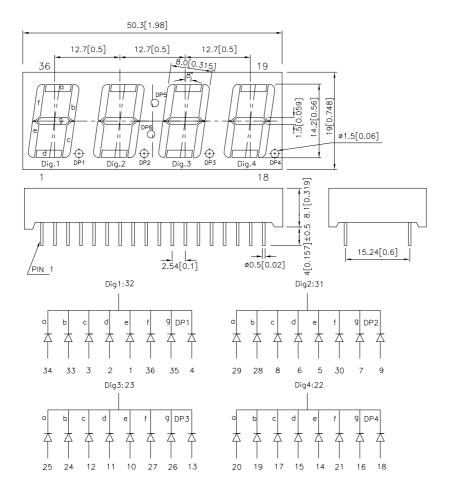
Features

- •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 $\pm 0.25 (0.01")$ unless otherwise noted.
- 2. Specifications are subject to change without notice.

SPEC NO: DSAC3250 REV NO: V.5 DATE: NOV/23/2005 PAGE: 1 OF 3
APPROVED: J. Lu CHECKED: Joe Lee DRAWN: W.J.ZHU

Kingbright

Selection Guide

Part No.	Dice	Lens Type		ucd) 0mA	Description
			Min.	Тур.	
CC56-11GWA	GREEN (GaP)	WHITE DIFFUSED	1900	10500	Common Cathode, Rt. Hand Decimal.

Electrical / Optical Characteristics at T_A=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]	d Solder Temperature [2] 260°C For 5 Seconds		

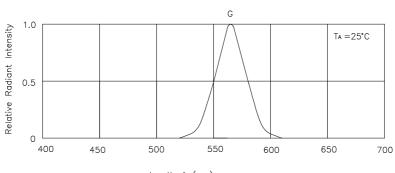
Notes

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

2. 2mm below package base.

SPEC NO: DSAC3250 REV NO: V.5 DATE: NOV/23/2005 PAGE: 2 OF 3
APPROVED: J. Lu CHECKED: Joe Lee DRAWN: W.J.ZHU

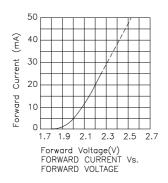
Kingbright

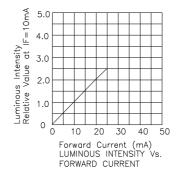


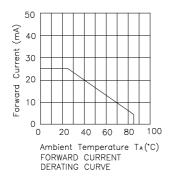
 $\label{eq:wavelength} \mbox{wavelength} \ \ \, \lambda \ \, \mbox{(nm)} \\ \mbox{RELATIVE INTENSITY Vs. WAVELENGTH}$

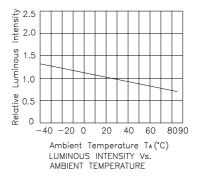
Green

CC56-11GWA









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.

SPEC NO: DSAC3250 REV NO: V.5 DATE: NOV/23/2005 PAGE: 3 OF 3
APPROVED: J. Lu CHECKED: Joe Lee DRAWN: W.J.ZHU