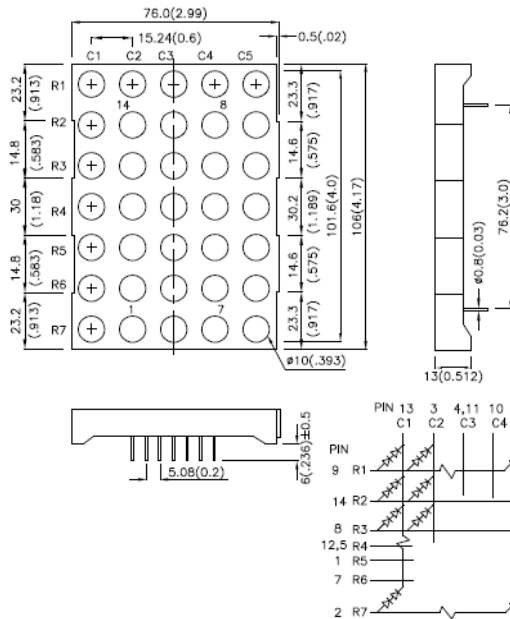


Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

101.6mm (4.0 INCH) 5x7 DOT MATRIX DISPLAY

EC40-11GWB GREEN

Features

- *4.0 INCH MATRIX HEIGHT.
- *DOT SIZE 10mm.
- *LOW CURRENT OPERATION.
- *HIGH CONTRAST AND LIGHT OUTPUT.
- *COMPATIBLE WITH ASCII AND EBCDIC CODES.
- *STACKABLE HORIZONTALLY.
- *COLUMN CATHODE AVAILABLE.
- *EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- *MULTICOLOR AVAILABLE.
- *MECHANICALLY RUGGED.
- *STANDARD : BLACK FACE, WHITE DOT.

Description

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

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) @ 10mA		Description
			Min.	Typ.	
EC40-11GWB	GREEN (GaP)	WHITE DIFFUSED	4700	24000	Column Cathode

Note:

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

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Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Green	565		nm	I _F =20mA
λ_D	Dominant Wavelength	Green	568		nm	I _F =20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Green	30		nm	I _F =20mA
C	Capacitance (Per Chip)	Green	15		pF	V _F =0V; f=1MHz
V _F	Forward Voltage (Per Dot)	Green	4.4	5.0	V	I _F =20mA
I _R	Reverse Current (Per Dot)	Green		10	uA	V _R = 10V

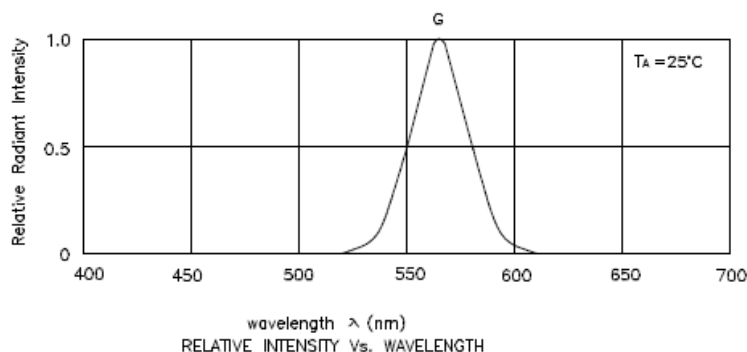
Absolute Maximum Ratings at T_A=25°C

Parameter	Green	Units
Power dissipation (Per Dot)	125	mW
DC Forward Current (Per Dot)	25	mA
Peak Forward Current [1] (Per Dot)	140	mA
Reverse Voltage (Per Dot)	10	V
Operating / Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

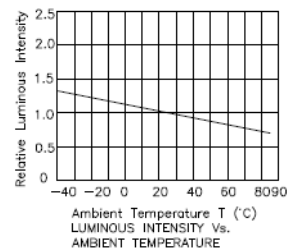
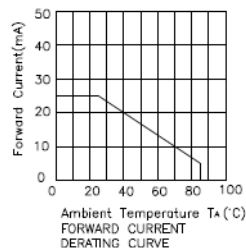
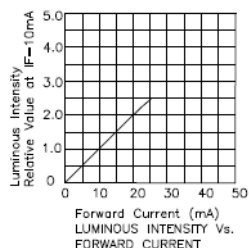
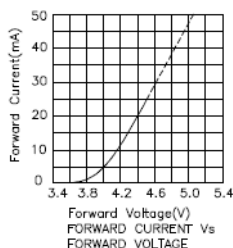
Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 5mm below package base.

GREEN EC40-11GWB



GREEN EC40-11GWB



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