

Part Number: TA40-11GWA

Green

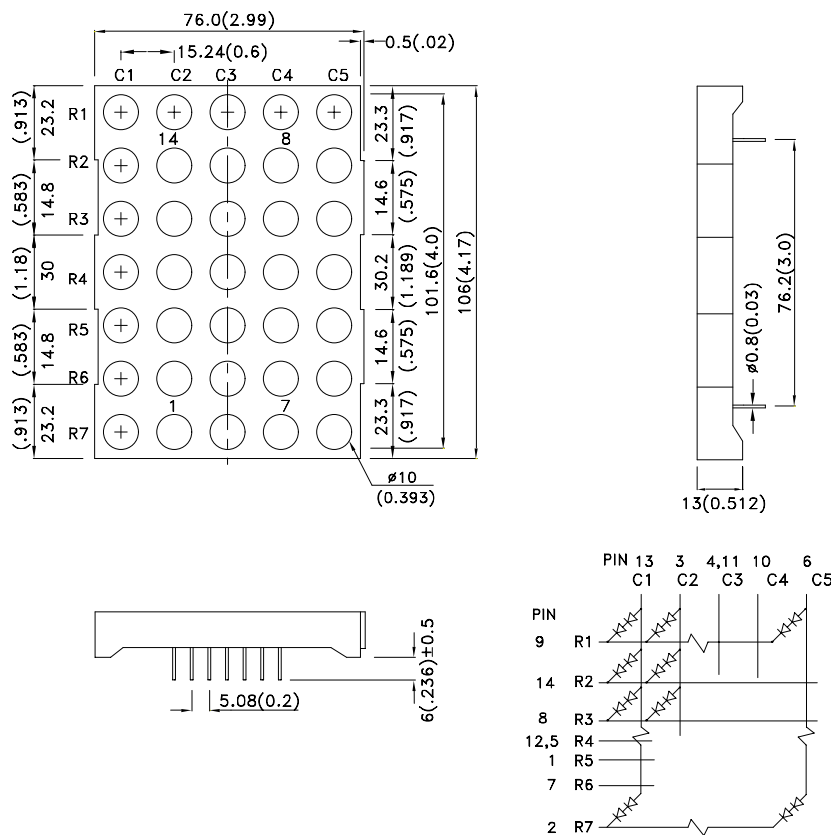
### Features

- 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 ANODE AVAILABLE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- MULTICOLOR AVAILABLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE DOT.
- 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.



## Selection Guide

| Part No.   | Dice        | Lens Type      | Iv (ucd) [1]<br>@ 10mA |       | Description  |
|------------|-------------|----------------|------------------------|-------|--------------|
|            |             |                | Min.                   | Typ.  |              |
| TA40-11GWA | Green (GaP) | WHITE DIFFUSED | 12000                  | 42000 | Column Anode |

Note:

1. Luminous intensity/ luminous Flux: +/-15%.

## Electrical / Optical Characteristics at TA=25°C

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

Notes:

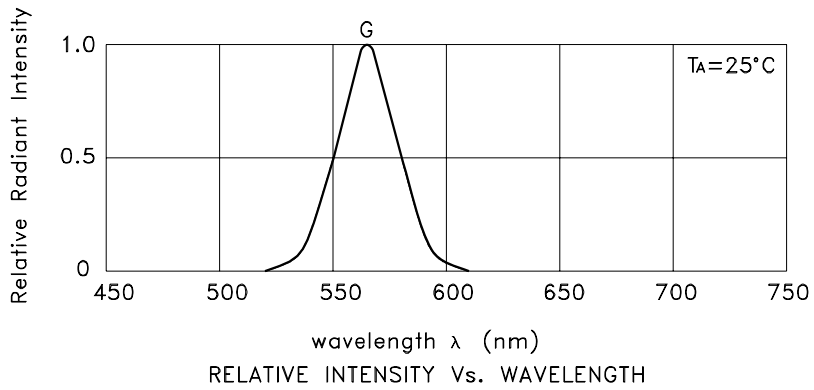
1. Wavelength: +/-1nm.  
2. Forward Voltage: +/-0.1V.

## Absolute Maximum Ratings at TA=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 3-5 Seconds |       |

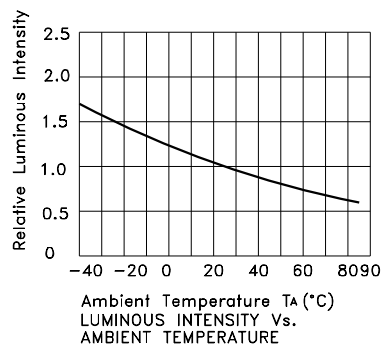
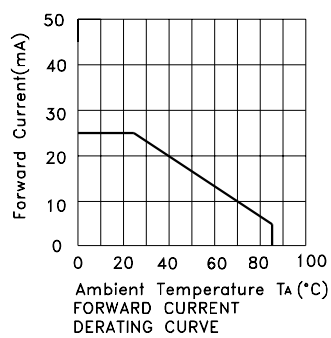
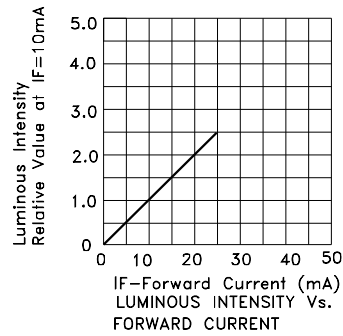
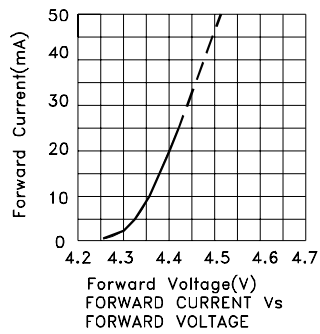
Notes:

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



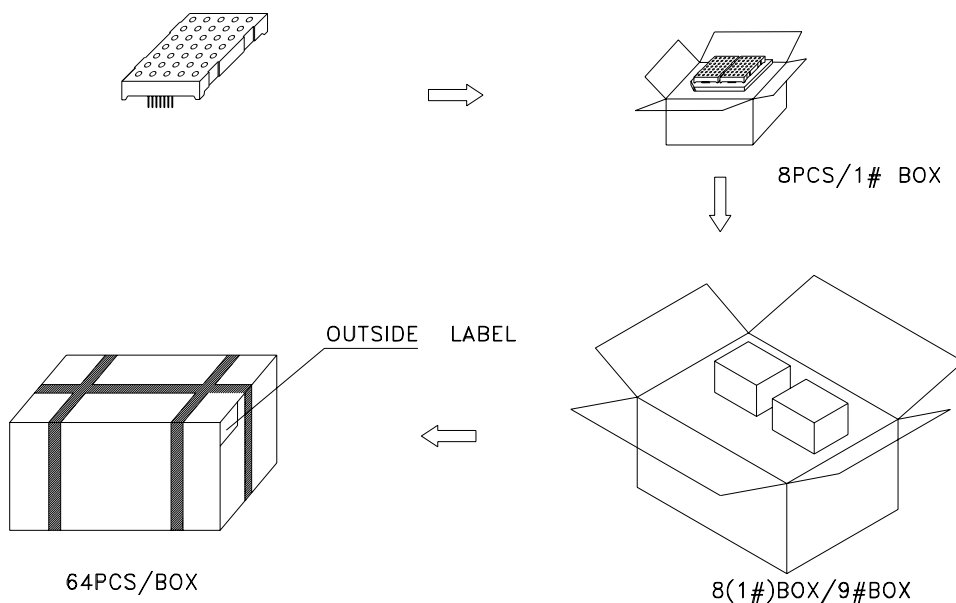
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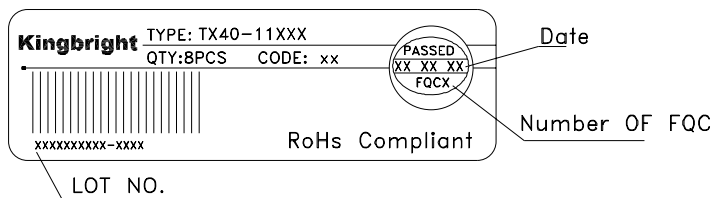


## PACKING & LABEL SPECIFICATIONS

## TA40-11GWA



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

