

Part Number: TC40-11SEKWA

Super Bright Orange

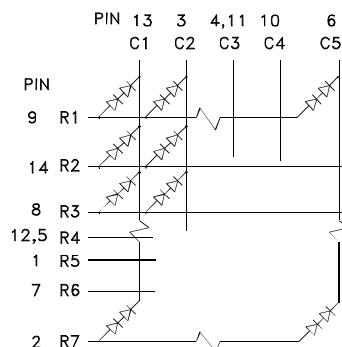
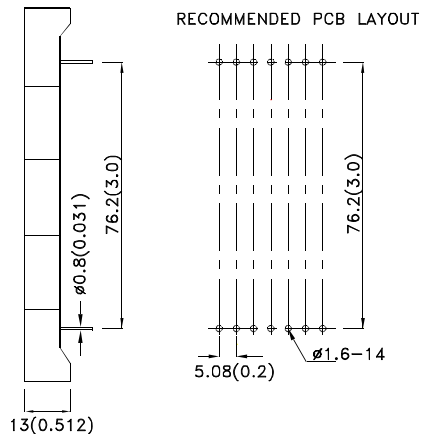
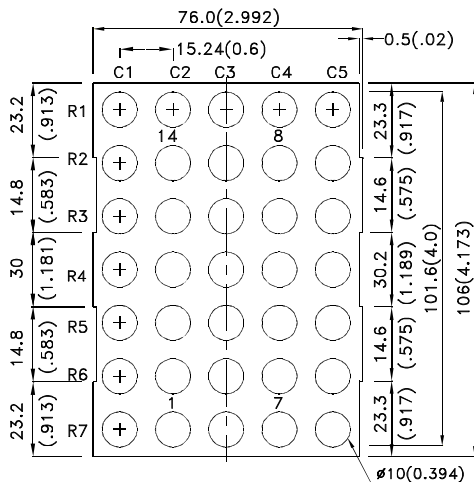
Features

- 4.0 inch matrix height.
- Dot size 10mm.
- Low current operation.
- High contrast and light output.
- Stackable horizontally.
- Easy mounting on p.c. boards or sockets.
- Multicolor available.
- Mechanically rugged.
- Standard : gray face, white dot.
- RoHS compliant.

Description

The Super Bright Orange device is made with AlGaInP (on GaAs substrate) light emitting diode chip.

Package Dimensions & Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
2. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.



Selection Guide

| Part No. | Dice | Lens Type | Iv (ucd) [1] @ 10mA | | Description |
|--------------|-------------------------------|----------------|------------------------|--------|----------------|
| | | | Min. | Typ. | |
| TC40-11SEKWA | Super Bright Orange (AlGaInP) | WHITE DIFFUSED | 75000 | 306000 | Column Cathode |

Note:

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

Electrical / Optical Characteristics at TA=25°C

| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|---------------------|------------------------------|---------------------|------|------|-------|---------------------------|
| λ peak | Peak Wavelength | Super Bright Orange | 610 | | nm | I _F =20mA |
| λ D[1] | Dominant Wavelength | Super Bright Orange | 601 | | nm | I _F =20mA |
| $\Delta\lambda$ 1/2 | Spectral Line Half-width | Super Bright Orange | 29 | | nm | I _F =20mA |
| C | Capacitance (Per Chip) | Super Bright Orange | 15 | | pF | V _F =0V;f=1MHz |
| V _F [2] | Forward Voltage (Per Dot) | Super Bright Orange | 4.2 | 5.0 | V | I _F =20mA |
| I _R | Reverse Current (Per Dot) | Super Bright Orange | | 10 | uA | V _R = 10V |

Notes:

1.Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

| Parameter | Super Bright Orange | Units |
|---------------------------------------|-----------------------|-------|
| Power dissipation (Per Dot) | 150 | mW |
| DC Forward Current (Per Dot) | 30 | mA |
| Peak Forward Current [1] (Per Dot) | 195 | 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 | |

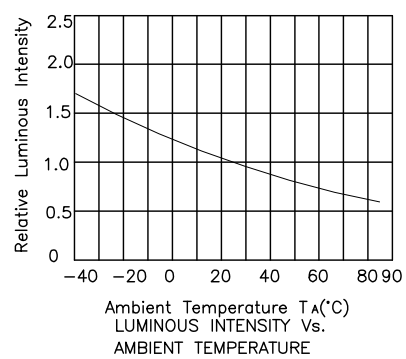
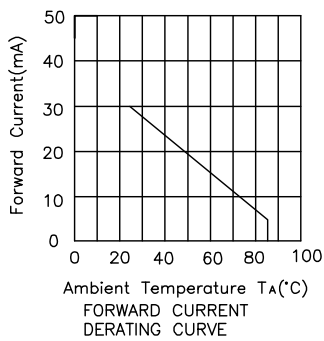
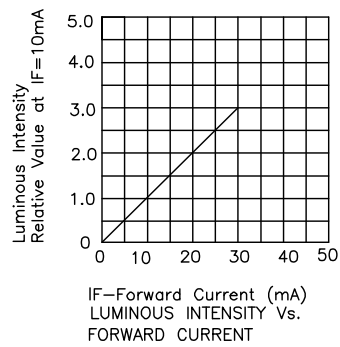
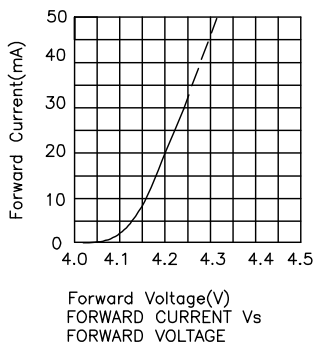
Notes:

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

2. 2mm below package base.

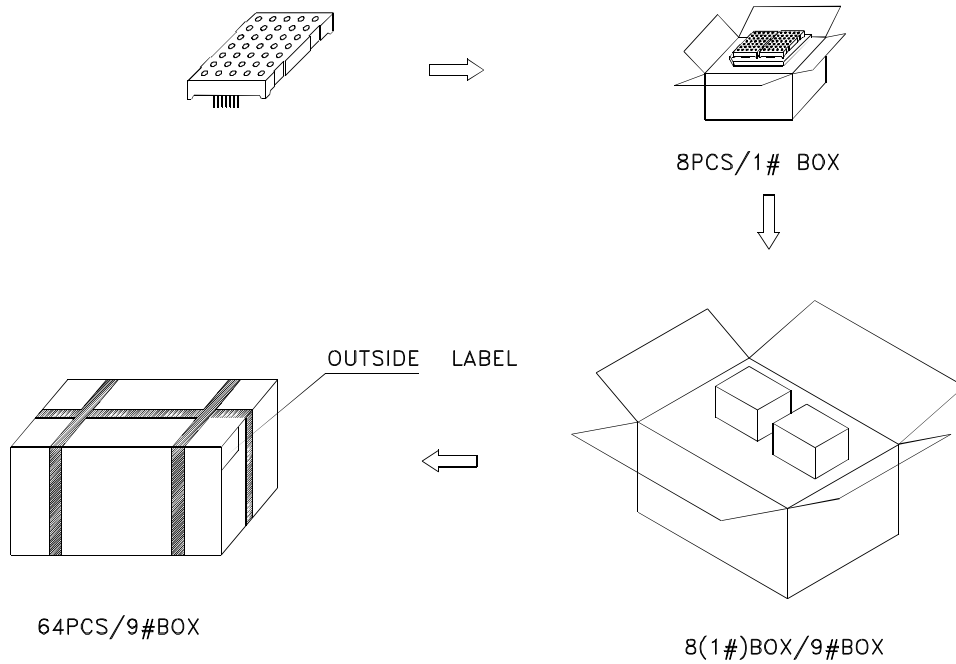


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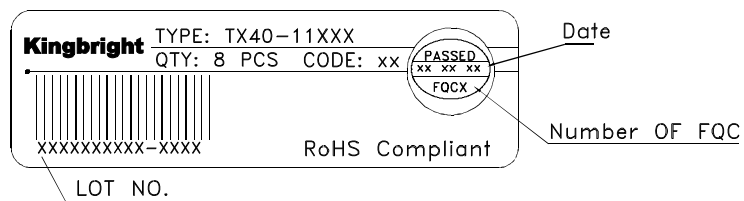


PACKING & LABEL SPECIFICATIONS

TC40-11SEKWA



Inside LABEL Paste On The 1#BOX



Outside LABEL Paste On The Box

