

Part Number: TC40-11SEKWA

Super Bright Orange

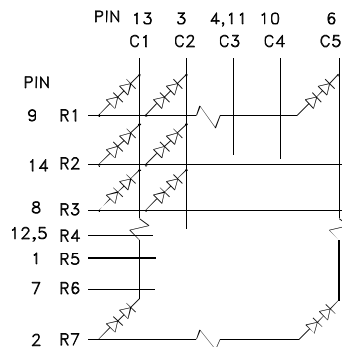
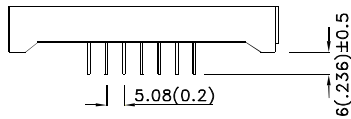
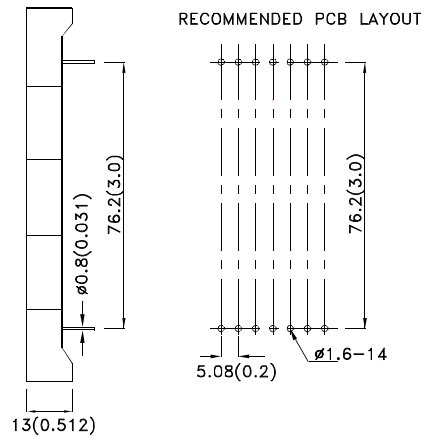
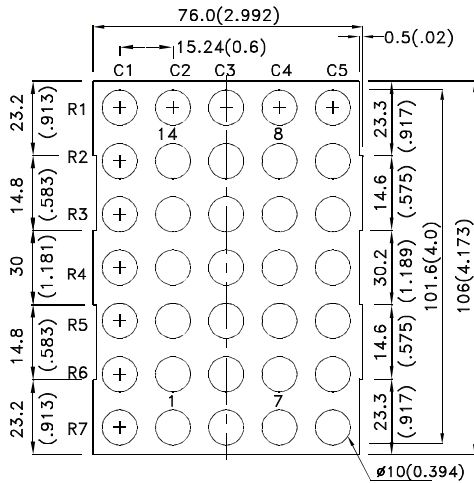
Features

- 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	IF=20mA
λ D[1]	Dominant Wavelength	Super Bright Orange	601		nm	IF=20mA
$\Delta\lambda$ 1/2	Spectral Line Half-width	Super Bright Orange	29		nm	IF=20mA
C	Capacitance (Per Chip)	Super Bright Orange	15		pF	VF=0V;f=1MHz
VF[2]	Forward Voltage (Per Dot)	Super Bright Orange	4.2	5.0	V	IF=20mA
IR	Reverse Current (Per Dot)	Super Bright Orange		10	uA	VR = 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	

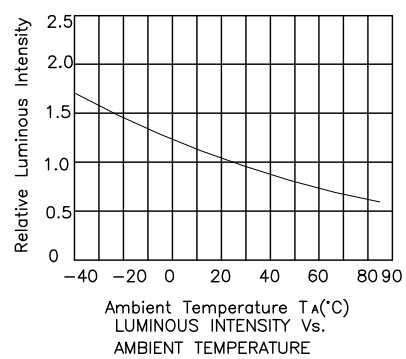
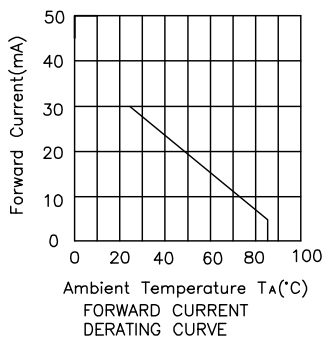
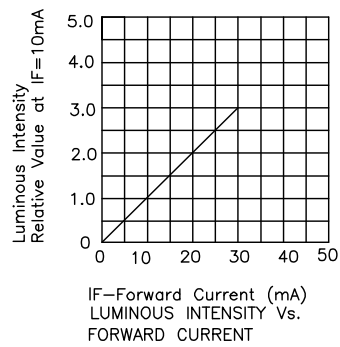
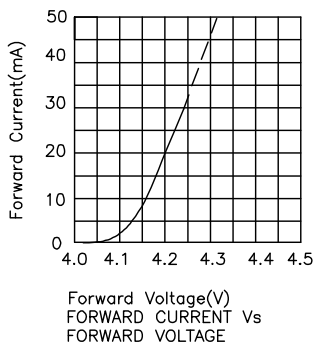
Notes:

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

2. 2mm below package base.

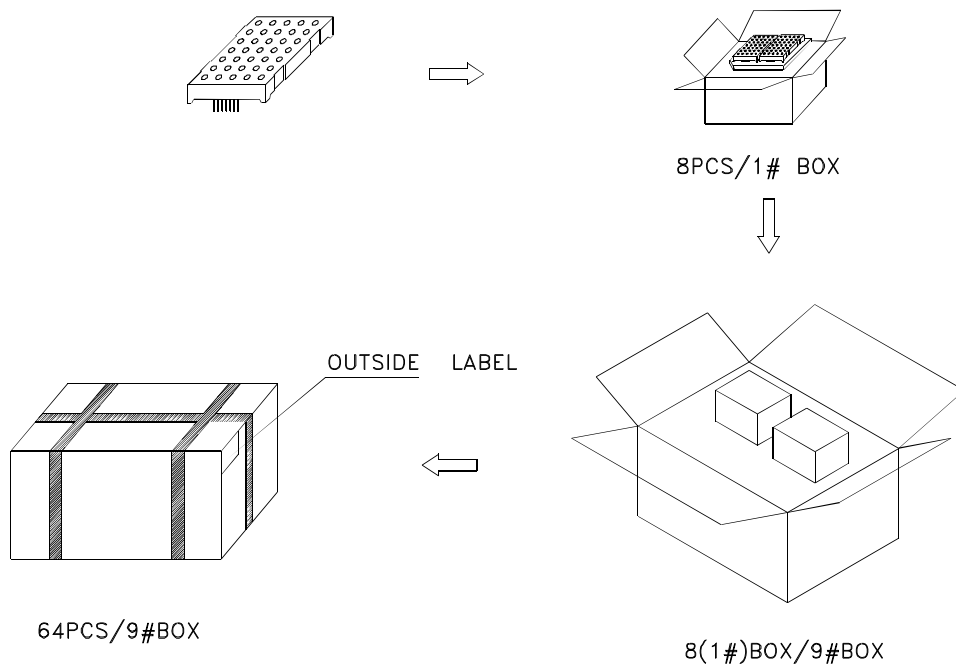


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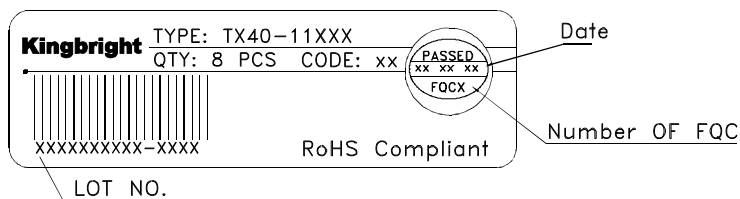


PACKING & LABEL SPECIFICATIONS

TC40-11SEKWA



Inside LABEL Paste On The 1#BOX



Outside LABEL Paste On The Box

