

PRELIMINARY SPEC

Part Number: TC30-11YWA

Yellow

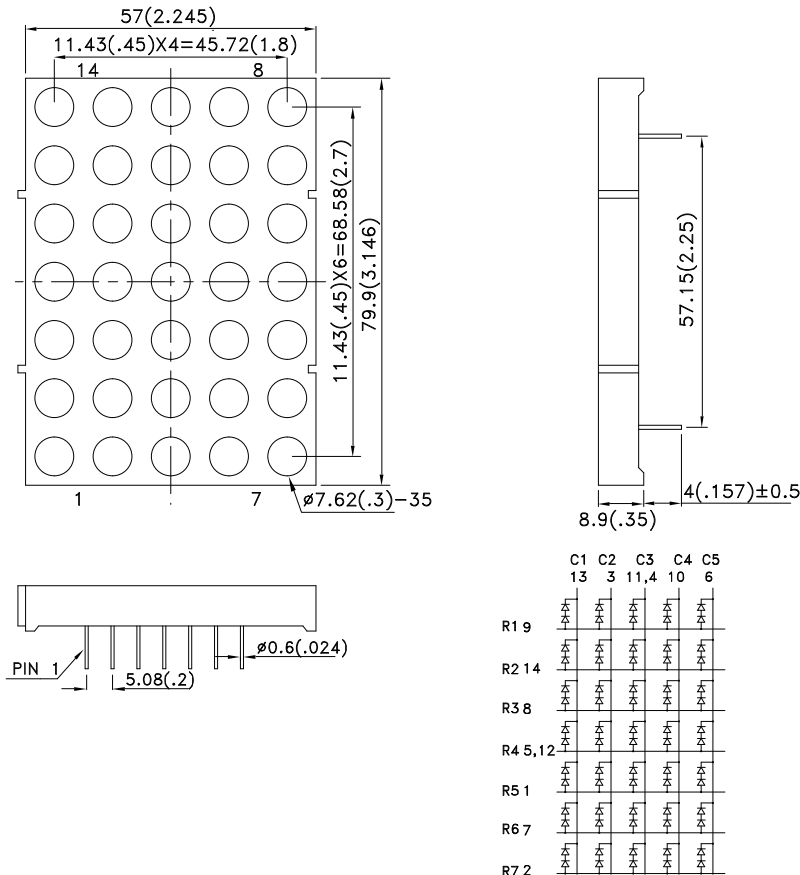
Features

- 3.0 INCH MATRIX HEIGHT.
- DOT SIZE 7.62mm.
- STACKABLE VERTICALLY AND HORIZONTALLY.
- COMPATIBLE WITH ASCII AND EBCDIC CODES.
- COLUMN CATHODE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE DOT.
- RoHS COMPLIANT.

Description

The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

Package Dimensions & Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters (inches), Tolerance is ±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] @ 10mA		Description
			Min.	Typ.	
TC30-11YWA	Yellow (GaAsP/GaP)	WHITE DIFFUSED	8000	28570	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	Yellow	590		nm	I _F =20mA
λ_D [1]	Dominant Wavelength	Yellow	588		nm	I _F =20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Yellow	35		nm	I _F =20mA
C	Capacitance (Per Chip)	Yellow	20		pF	V _F =0V;f=1MHz
V _F [2]	Forward Voltage (Per Dot)	Yellow	4.2	5.0	V	I _F =20mA
I _R	Reverse Current (Per Dot)	Yellow		10	uA	V _R =10V

Notes:

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

Absolute Maximum Ratings at TA=25°C

Parameter	Yellow	Units
Power dissipation (Per Dot)	150	mW
DC Forward Current (Per Dot)	30	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	

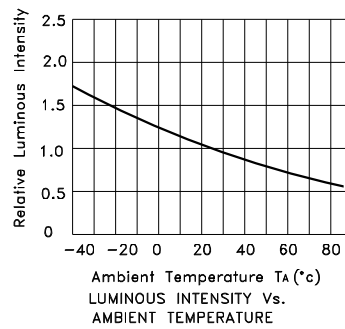
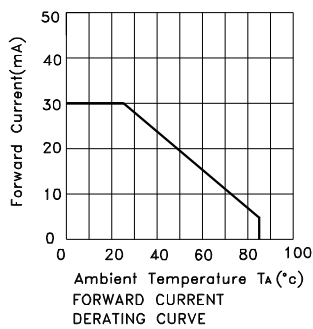
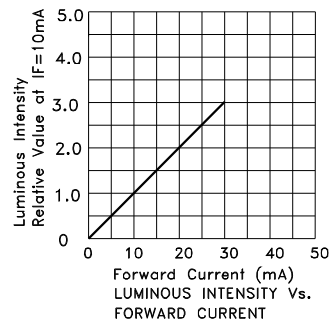
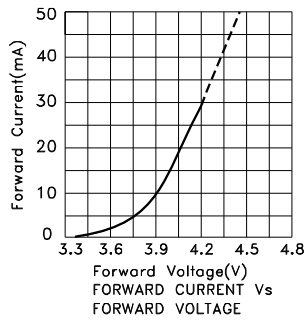
Notes:

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



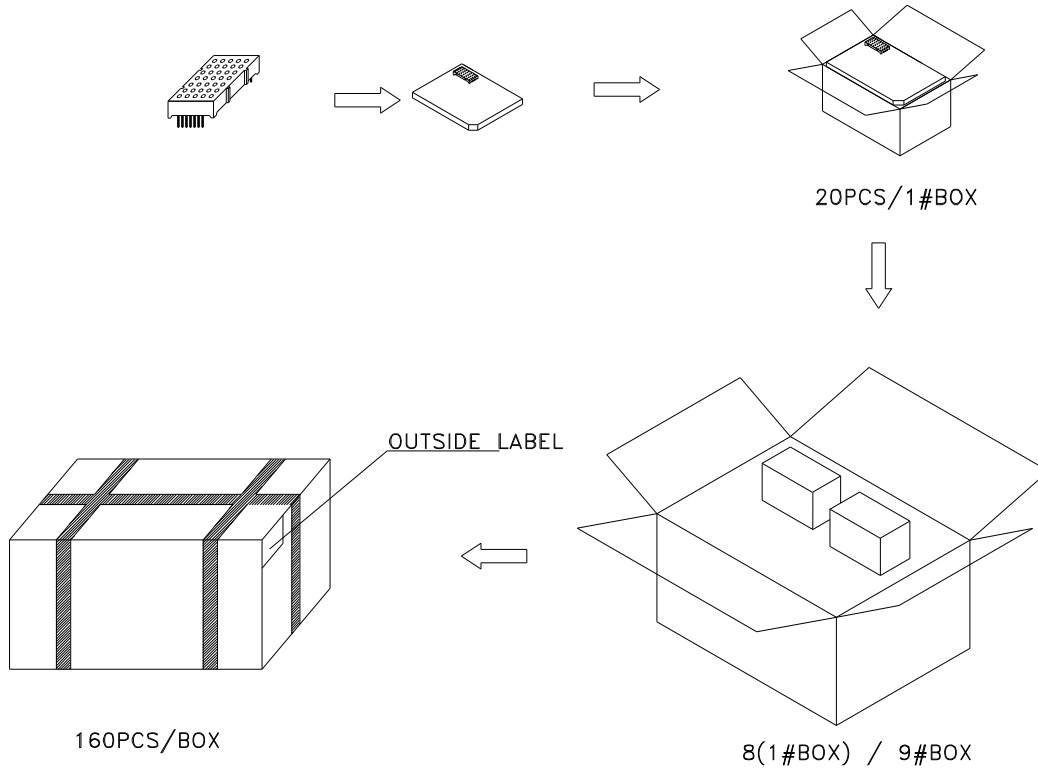
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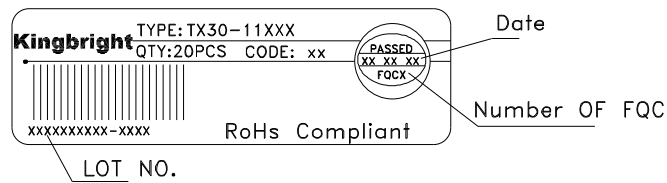


PACKING & LABEL SPECIFICATIONS

TC30-11YWA



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

