

PRELIMINARY SPEC

P/N: TA30-11YWA

YELLOW

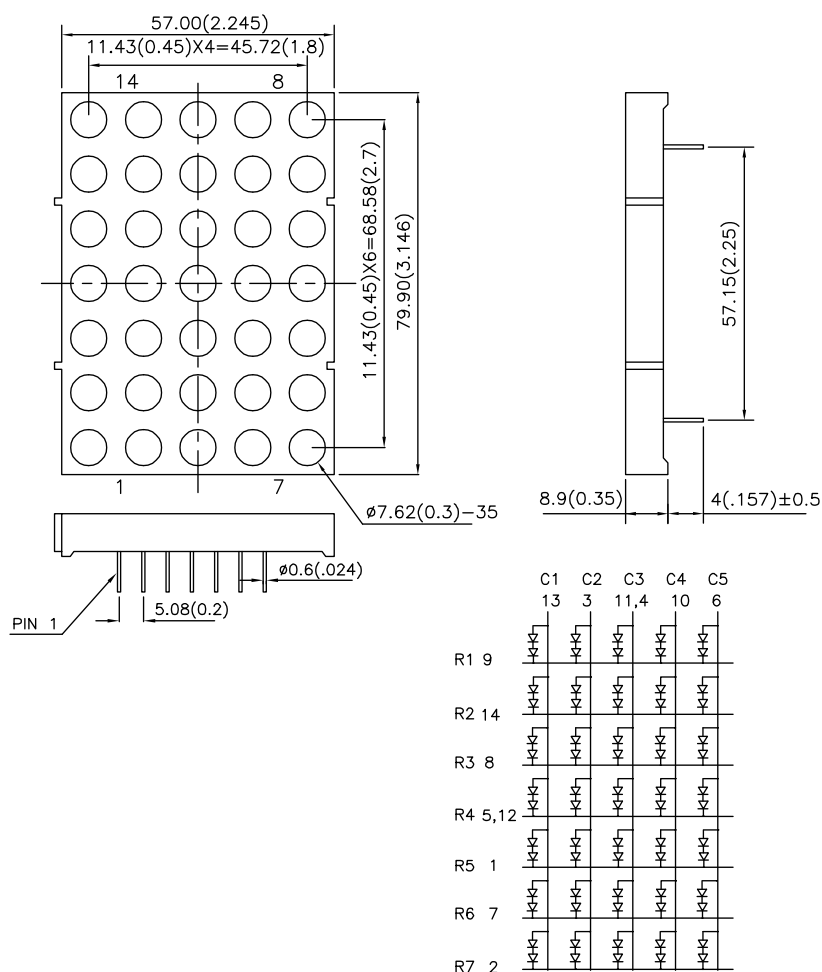
Features

- 3.0 INCH MATRIX HEIGHT.
- DOT SIZE 7.62mm.
- STACKABLE VERTICALLY AND HORIZONTALLY.
- COMPATIBLE WITH ASCII AND EBCDIC CODES.
- COLUMN ANODE.
- 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 $\pm 0.25(0.01)$ unless otherwise noted.
2. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) @ 10mA		Description
			Min.	Typ.	
TA30-11YWA	YELLOW (GaAsP/GaP)	WHITE DIFFUSED	8000	28570	Column Anode

Electrical / Optical Characteristics at TA=25°C

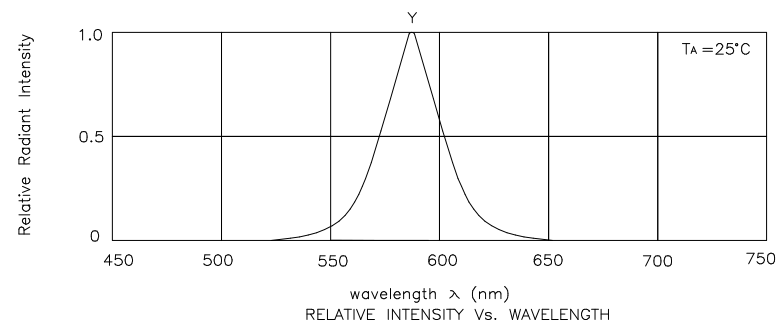
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Yellow	590		nm	IF=20mA
λ_D	Dominant Wavelength	Yellow	588		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Yellow	35		nm	IF=20mA
C	Capacitance (Per Chip)	Yellow	20		pF	VF=0V;f=1MHz
VF	Forward Voltage (Per Dot)	Yellow	4.2	5.0	V	IF=20mA
IR	Reverse Current (Per Dot)	Yellow		10	uA	VR = 10V

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 5 Seconds	

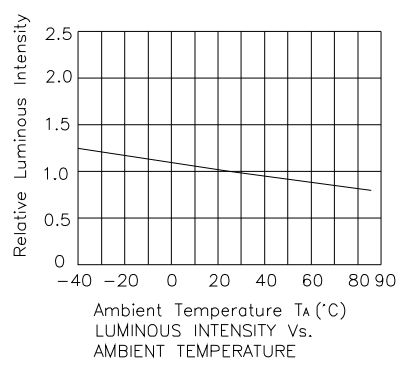
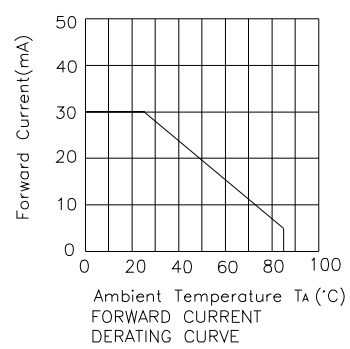
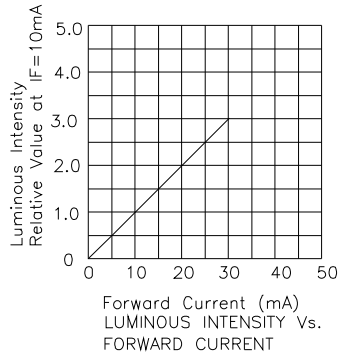
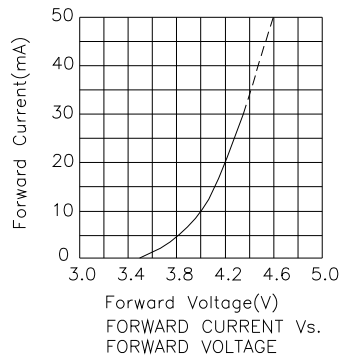
Notes:

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



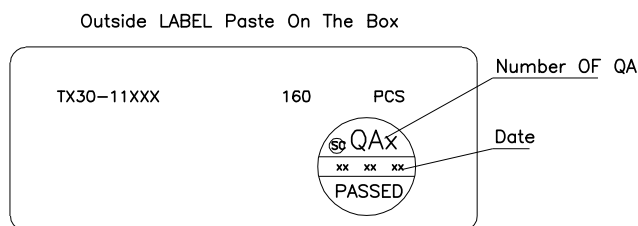
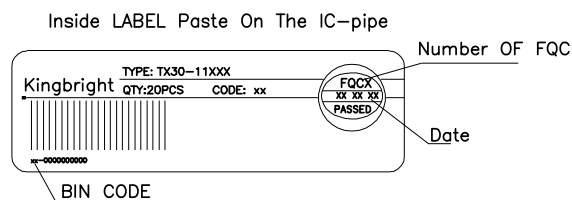
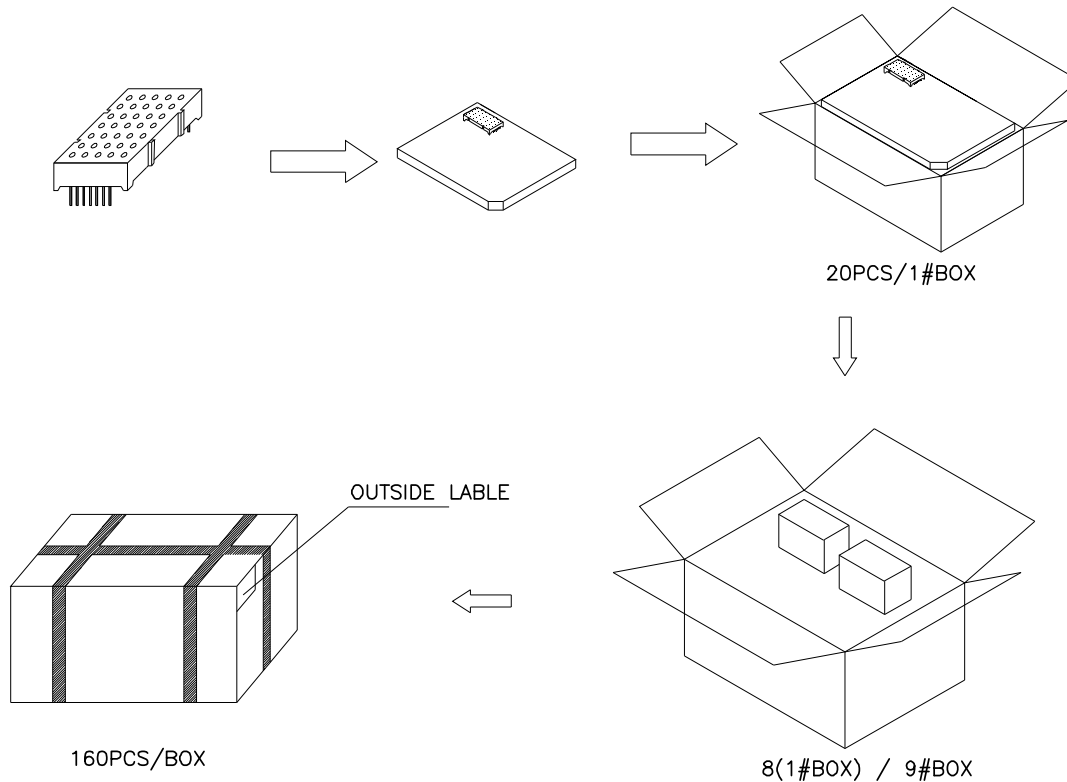
Yellow

TA30-11YWA



PACKING & LABEL SPECIFICATIONS

TA30-11YWA



Remarks:

If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: $\pm 1\text{nm}$
2. Luminous Intensity/ luminous flux: $\pm 15\%$
3. Forward Voltage: $\pm 0.1\text{V}$

Note: Accuracy may depend on the sorting parameters.