

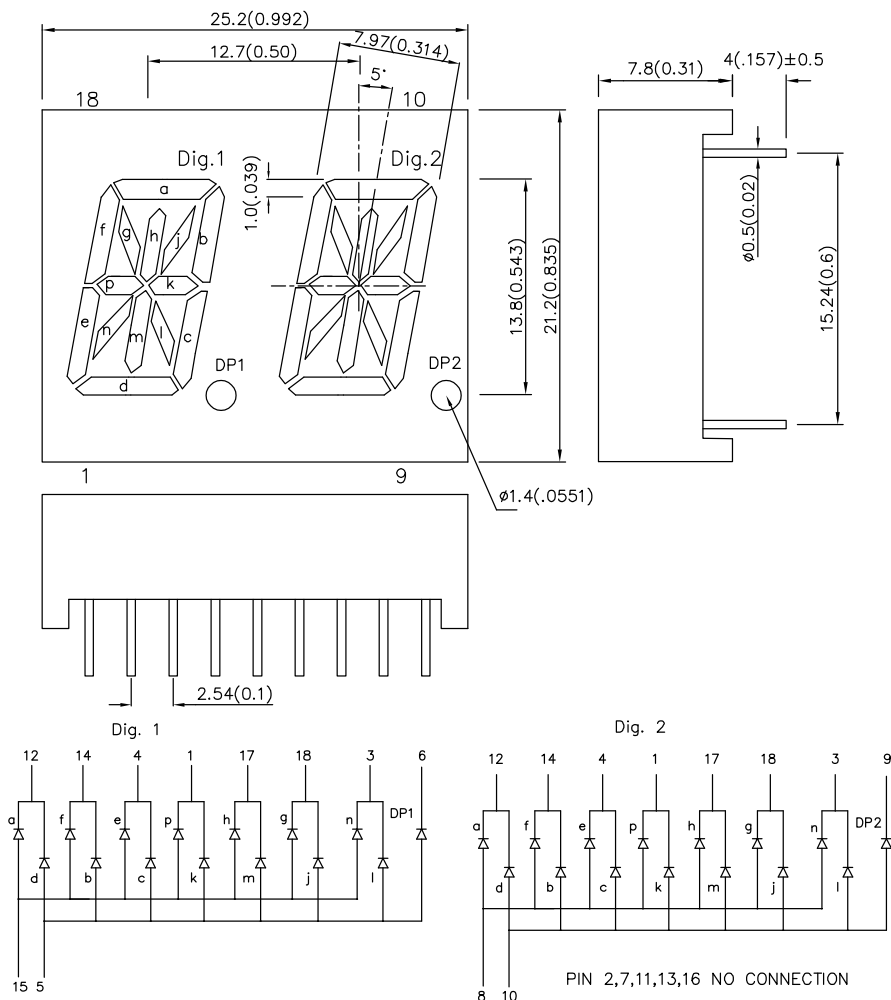
Features

- 0.54 INCH CHARACTER HEIGHT.
- LOW CURRENT OPERATION.
- HIGH CONTRAST AND LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- MECHANICALLY RUGGED.
- STANDARD: GRAY FACE, WHITE SEGMENT.
- 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



Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) @ 10mA		Description
			Min.	Typ.	
PDA54-12YWA	YELLOW (GaAsP/GaP)	WHITE DIFFUSED	800	3000	Common Anode ,Rt. Hand Decimal.

Electrical / Optical Characteristics at TA=25°C

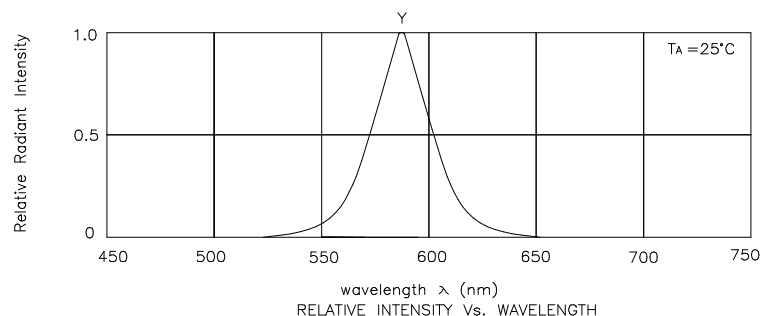
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Yellow	590		nm	IF=20mA
λ_D	Dominant Wavelength	Yellow	588		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Yellow	35		nm	IF=20mA
C	Capacitance Per Segment or DP	Yellow	20		pF	VF=0V;f=1MHz
VF	Forward Voltage Per Segment or DP	Yellow	2.1	2.5	V	IF=20mA
IR	Reverse Current Per Segment or DP	Yellow		10	uA	VR = 5V

Absolute Maximum Ratings at TA=25°C

Parameter	Yellow	Units
Power dissipation Per Segment or DP	105	mW
DC Forward Current Per Segment or DP	30	mA
Peak Forward Current [1] Per Segment or DP	140	mA
Reverse Voltage Per Segment or DP	5	V
Operating / Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

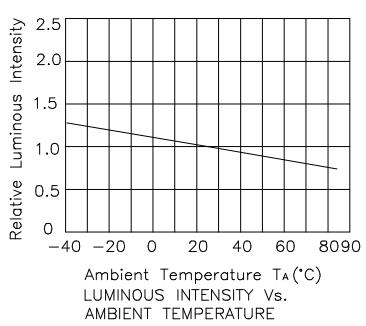
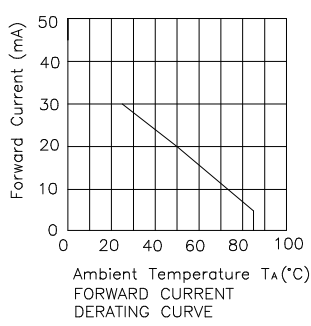
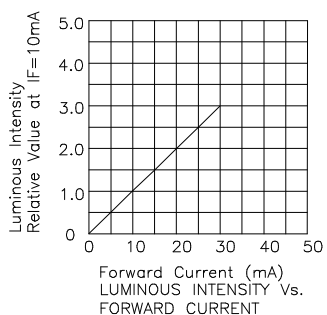
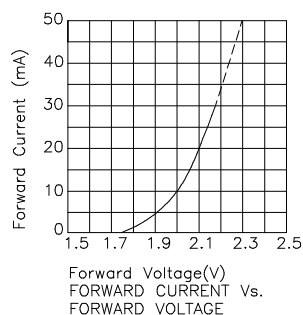
Notes:

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



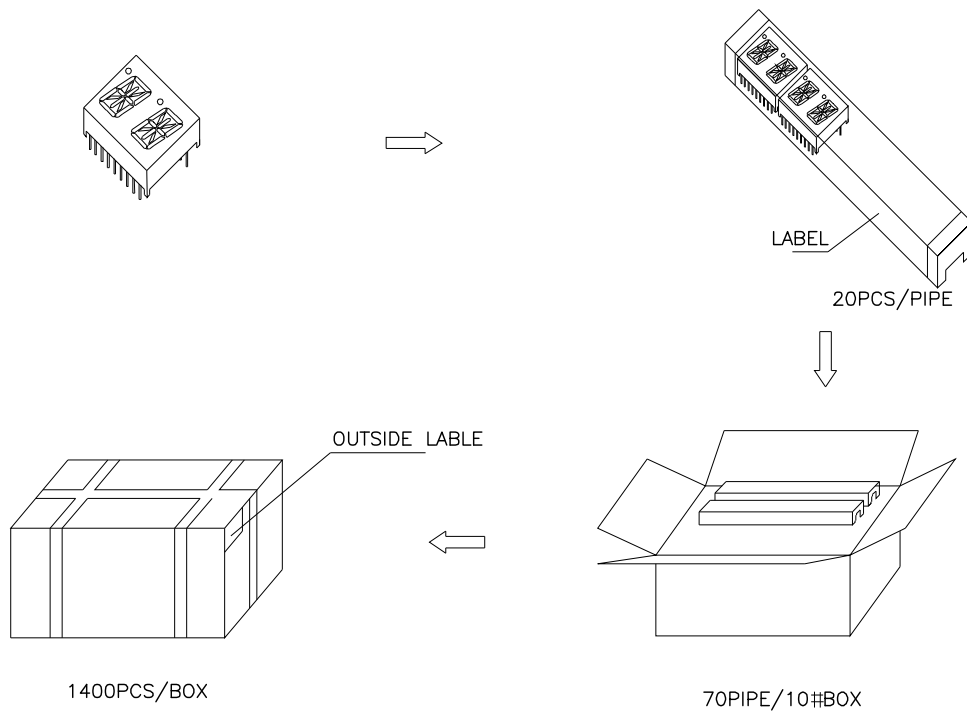
Yellow

PDA54-12YWA

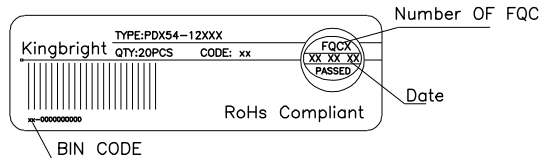


PACKING & LABEL SPECIFICATIONS

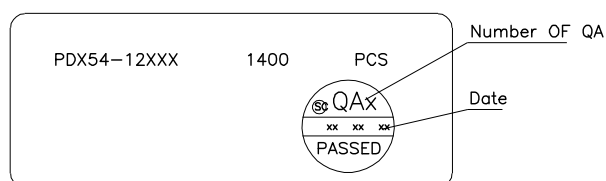
PDA54-12YWA



Inside LABEL Paste On The IC-pipe



Outside LABEL Paste On The Box



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: +/-1nm
2. Luminous Intensity/ Luminous Flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.