

DC20/20YWA      YELLOW

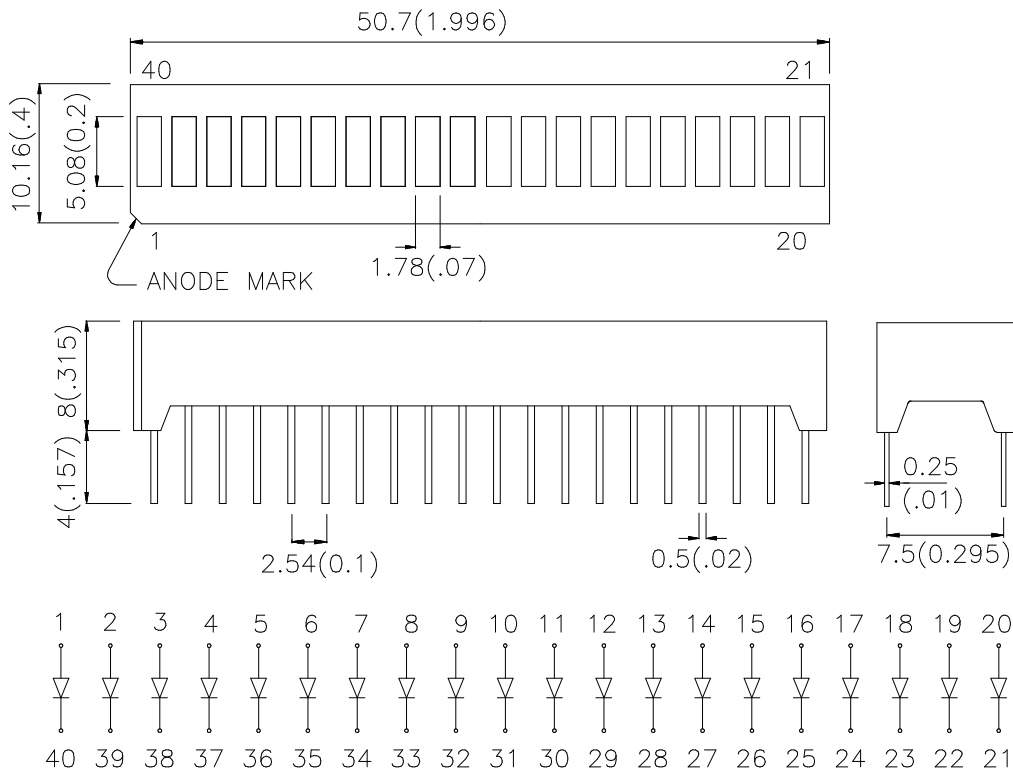
### Features

- SUITABLE FOR LEVEL INDICATORS.
- LOW CURRENT OPERATION.
- EXCELLENT ON/OFF CONTRAST.
- WIDE VIEWING ANGLE.
- END STACKABLE.
- MECHANICALLY RUGGED.
- BI-COLOR VERSION AVAILABLE.
- DIFFERENT COLORS IN ONE UNIT AVAILABLE.
- STANDARD:GRAY FACE, WHITE SEGMENT.

### 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) @ 10 mA		Description
			Min.	Typ.	
DC20/20YWA	YELLOW (GaAsP/GaP)	WHITE DIFFUSED	3600	9000	20 Segments Bargraph-Display

## Electrical / Optical Characteristics at T<sub>A</sub>=25°C

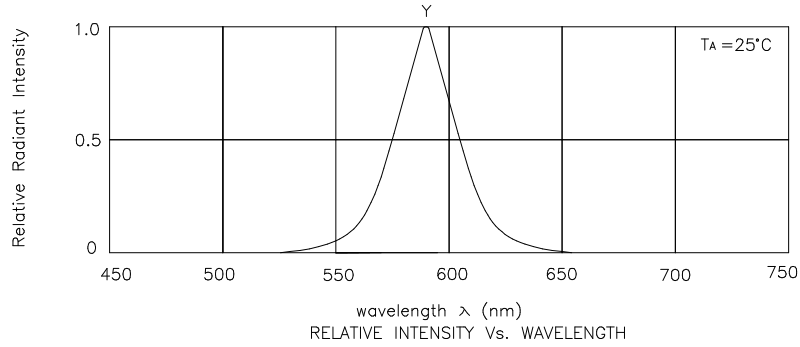
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
$\lambda_{\text{peak}}$	Peak Wavelength	Yellow	590		nm	I <sub>F</sub> = 20mA
$\lambda_D$	Dominate Wavelength	Yellow	588		nm	I <sub>F</sub> = 20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Yellow	35		nm	I <sub>F</sub> = 20mA
C	Capacitance	Yellow	20		pF	V <sub>R</sub> = 0V; f = 1MHz
V <sub>F</sub>	Forward Voltage	Yellow	2.1	2.5	V	I <sub>F</sub> = 20mA
I <sub>R</sub>	Reverse Current	Yellow		10	uA	V <sub>R</sub> = 5V

## Absolute Maximum Ratings at T<sub>A</sub>=25°C

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

Notes:

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



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