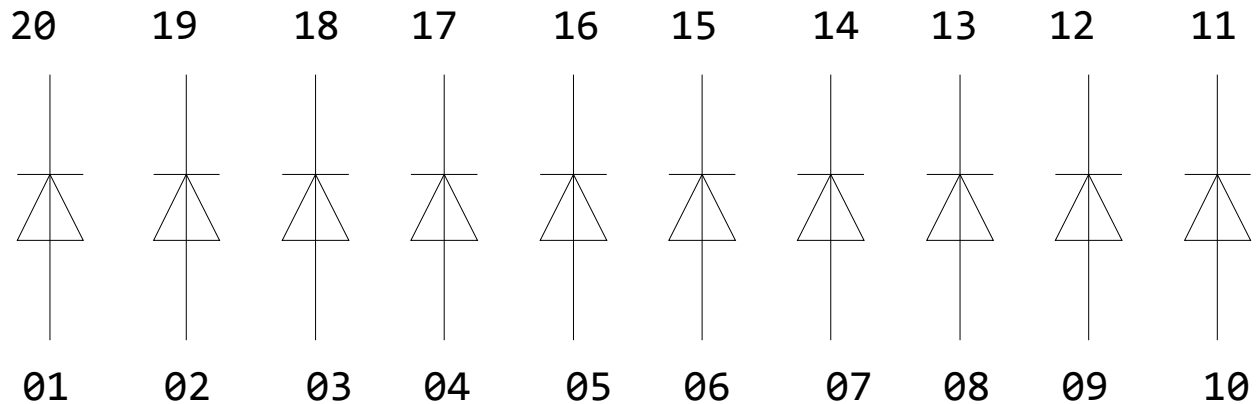


10 SEGMENT BARGRAPH ARRAY
Tri-Color Fixed (TCF 5G, 3Y, 2R)

Features:

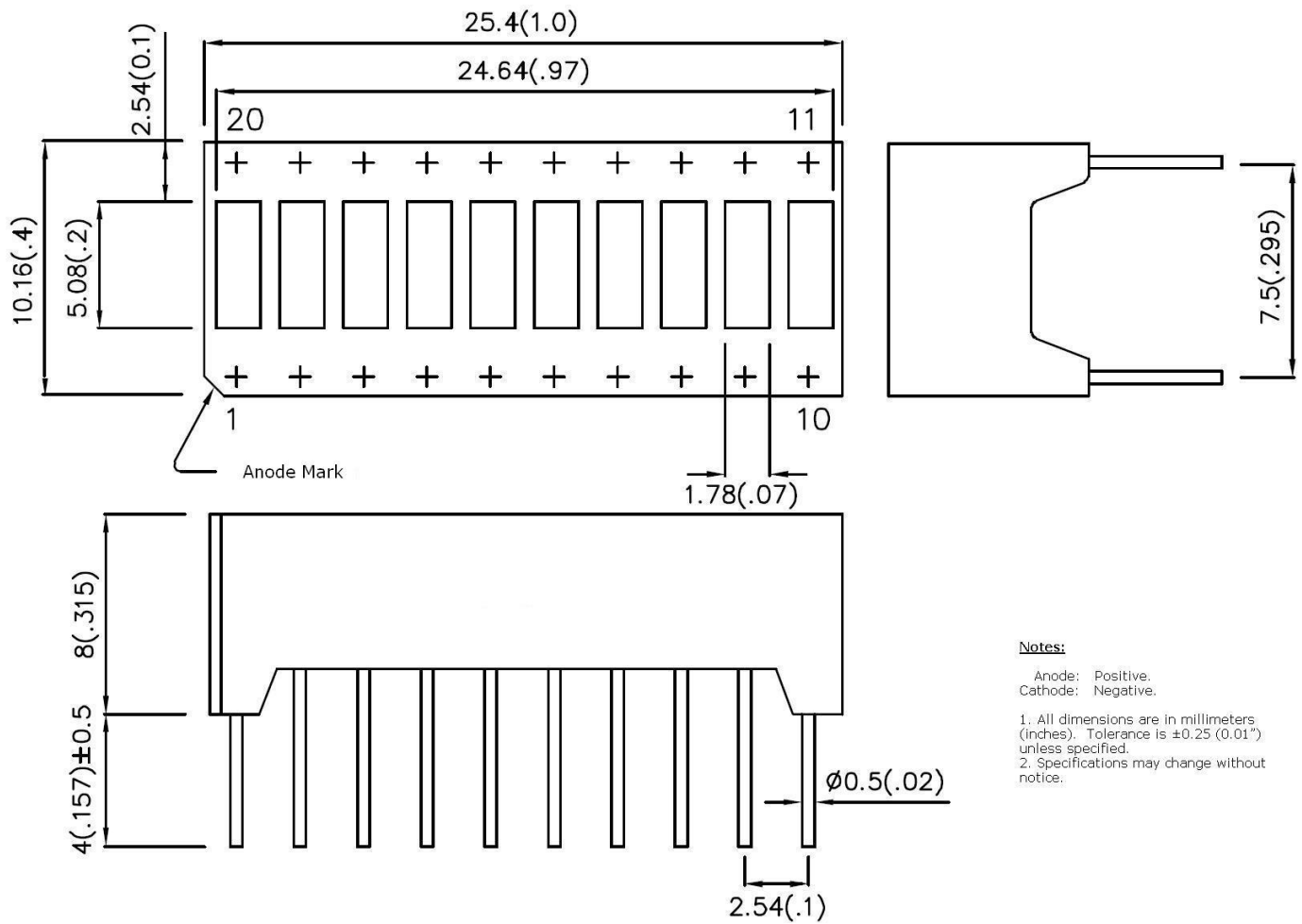
- ✓ Suitable for level indicators.
- ✓ Low current operation.
- ✓ Excellent ON/OFF contrast.
- ✓ Wide viewing angle.
- ✓ End stackable.
- ✓ Mechanically Rugged.
- ✓ Standard Design: Gray Face with White Segments.

Internal Circuit Diagram & Package Dimensions:



Tri-Color Fixed (TCF):
5 Green Segments
3 Yellow Segments
2 Red Segments

PACKAGE DIMENSIONS



Notes:

Anode: Positive.
Cathode: Negative.

1. All dimensions are in millimeters (inches). Tolerance is ± 0.25 (0.01") unless specified.
2. Specifications may change without notice.

Note 1:

- ✓ All dimensions are in millimeters (inches). Tolerance is ± 0.25 (0.01") unless specified.
- ✓ Specifications may change without notice.

<u>Bargraph/Array:</u>	<u>Lens Type:</u>	<u>Description:</u>
Tri-Color Fixed (TCF)	White Diffused	10-Segments Bargraph/Array Display (5G, 3Y, 2R).

<u>Luminous Intensity</u> <u>(if = 20 mA):</u>	<u>Max.</u>	<u>Units</u>
Green Segments	80	mcd
Yellow Segments	60	mcd
Red Segments	100	mcd

Note 2: 1 mcd = 1 milli candelas (1×10^{-3} candelas)
1 ucd = 1 micro candelas (1×10^{-6} candelas)

Electrical/Optical Characteristics at Ta= 25 °C:

<u>Symbol:</u>	<u>Parameter:</u>	<u>Device:</u>	<u>Typ.:</u>	<u>Max.:</u>	<u>Units:</u>	<u>Test Cond.:</u>
λ_{Peak}	Peak Wavelength	Green Yellow Red	565 590 625	575 600 640	nm nm nm	If=20 mA
$\Delta\lambda$ 1/2	Spectral Line Half-Width	Green Yellow Red	30 35 20	--- --- ---	nm nm nm	If=20 mA
V_F	Forward Voltage	Green Yellow Red	2.2 2.1 2.1	2.6 2.5 2.5	V V V	If=20 mA
I_R	Reverse Current	Green Yellow Red	20 20 20	--- --- ---	μA μA μA	$V_R = 5 V$

Absolute Maximum Ratings at Ta= 25 °C:

<u>Parameter:</u>	<u>TFC Device:</u>	<u>Units:</u>
Power Dissipation Green Yellow Red	50 42 40	mW mW mW
DC Forward Current Green Yellow Red	20 20 20	mA mA mA
Peak Forward Current Green Yellow Red	100 100 100	mA mA mA
Reverse Voltage Green Yellow Red	5 5 5	V V V

Operating / Storage Temperature:	-40 °C to +85 °C (~ -40 °F to 185 °F)
Lead Solder Temperature:	260 °C (~ 500 °F) for 3-5 seconds