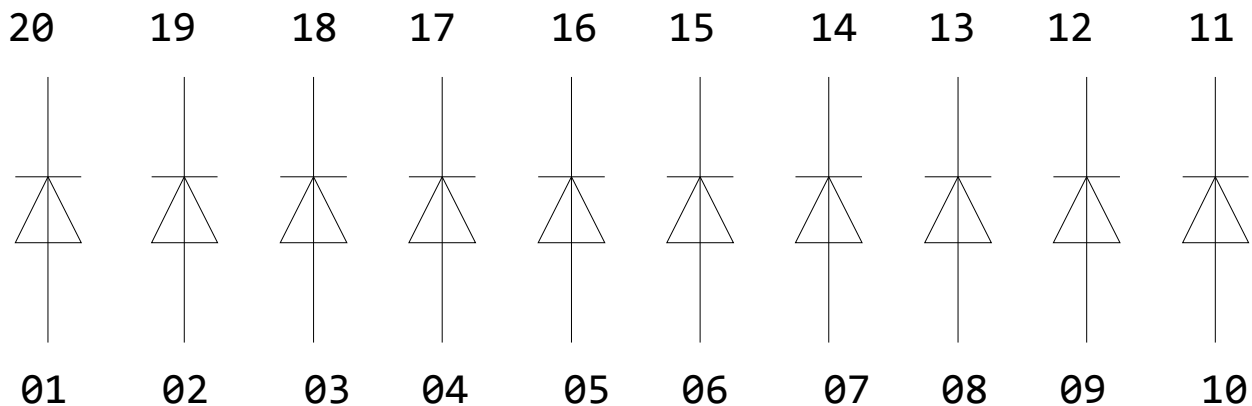


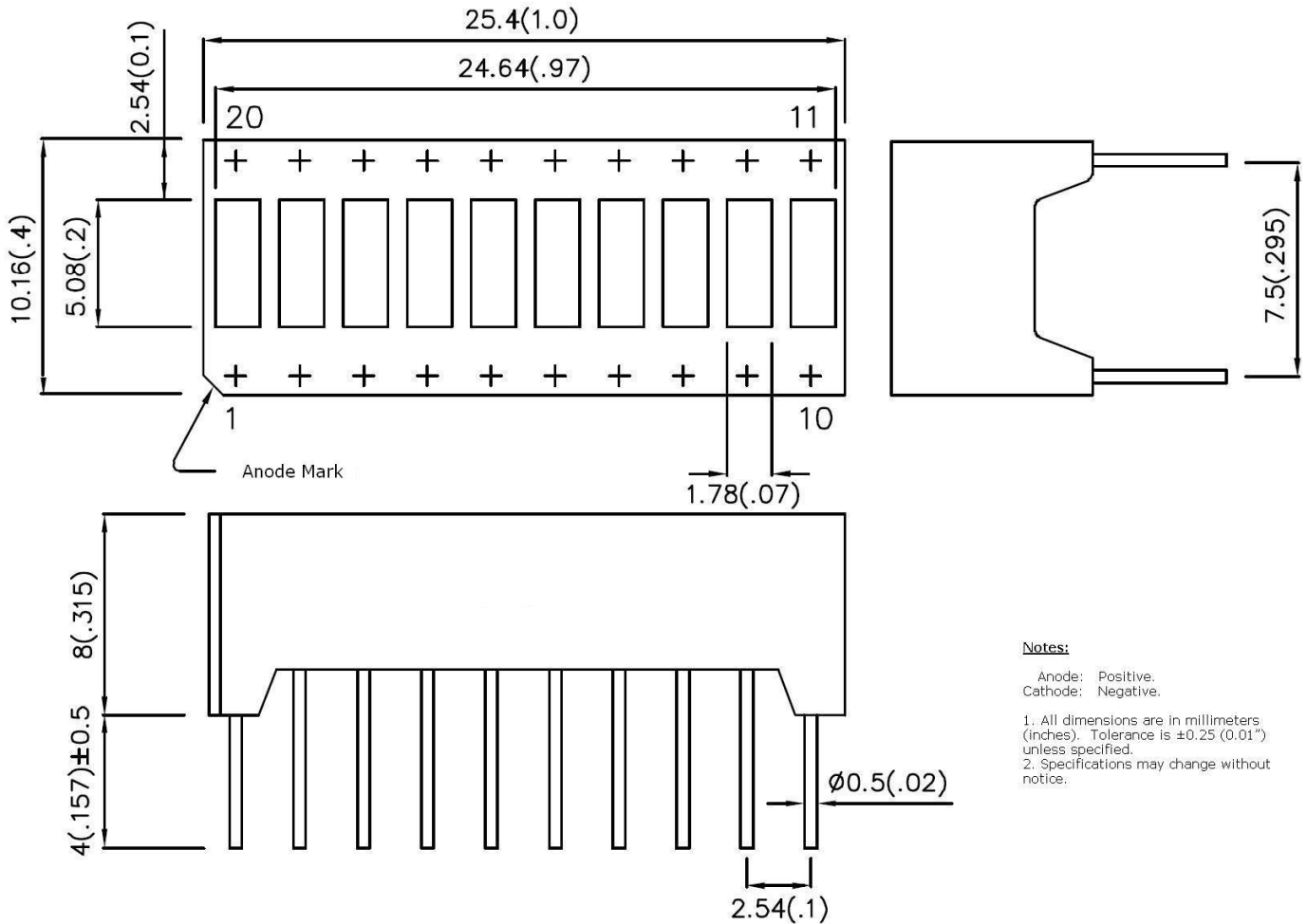
10 SEGMENT BARGRAPH ARRAY**Tri-Color Fixed (TCF 5G, 3Y, 2R)****Features:**

- ✓ 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	565	575	nm	If=20 mA
		Yellow	590	600	nm	
		Red	625	640	nm	
$\Delta\lambda$ 1/2	Spectral Line Half-Width	Green	30	---	nm	If=20 mA
		Yellow	35	---	nm	
		Red	20	---	nm	
V_F	Forward Voltage	Green	2.2	2.6	V	If=20 mA
		Yellow	2.1	2.5	V	
		Red	2.1	2.5	V	
I_R	Reverse Current	Green	20	---	μA	$V_R = 5 V$
		Yellow	20	---	μA	
		Red	20	---	μA	

Absolute Maximum Ratings at Ta= 25 °C:

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