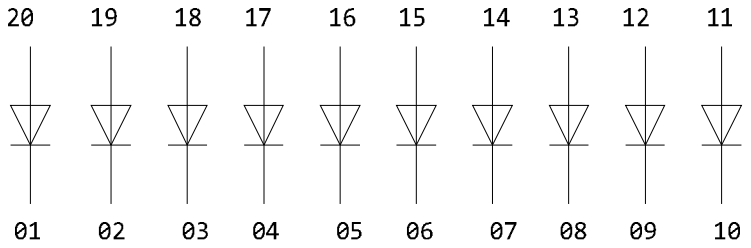
10 SEGMENT BARGRAPH ARRAY

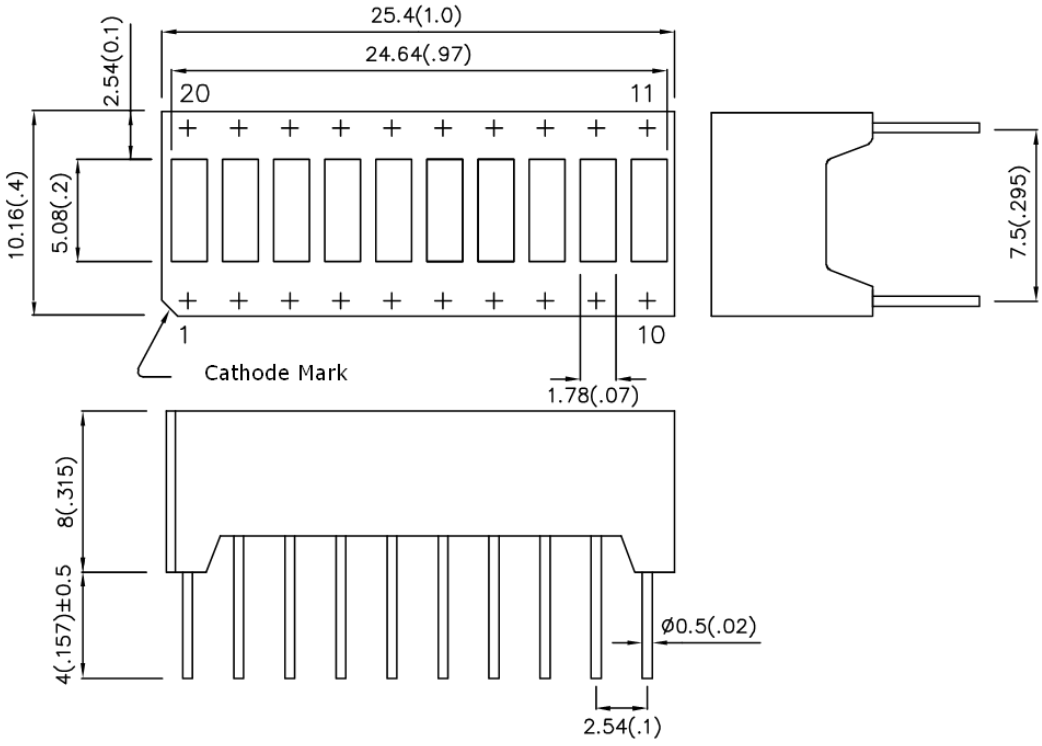
Super Bright RED LED (SBR)

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:





Note 1:

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

Bargraph/Array:	Lens Type:	Description:
Super Bright RED LED (SBR)	White Diffused	10-Segments Bargraph/Array Display.

Luminous Intensity:	Max.	Units
If= 20 mA	100	mcd

Note 2: 1 mcd = 1 milli candelas ($1x10^{-3}\ candelas$)
1 cd = 1 micro candelas ($1x10^{-6}\ candelas$)

Electrical/Optical Characteristics at Ta= 25 °C:

Symbol:	Parameter:	Device:	Typ.:	Max.:	Units:	Test Cond.:
λPeak	Peak Wavelength	SBR	625	640	nm	If=20 mA
Δλ 1/2	Spectral Line Half-Width	SBR	20		nm	If=20 mA
V_F	Forward Voltage	SBR	2.1	2.5	V	If=20 mA
I_R	Reverse Current	SBR		20	µA	V_R= 5 V

Absolute Maximum Ratings at Ta= 25 °C:

Parameter:	SBR Device:	Units:
Power Dissipation	40 - 50	mW
DC Forward Current	20	mA
Peak Forward Current	100	mA
Reverse Voltage	5	V

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