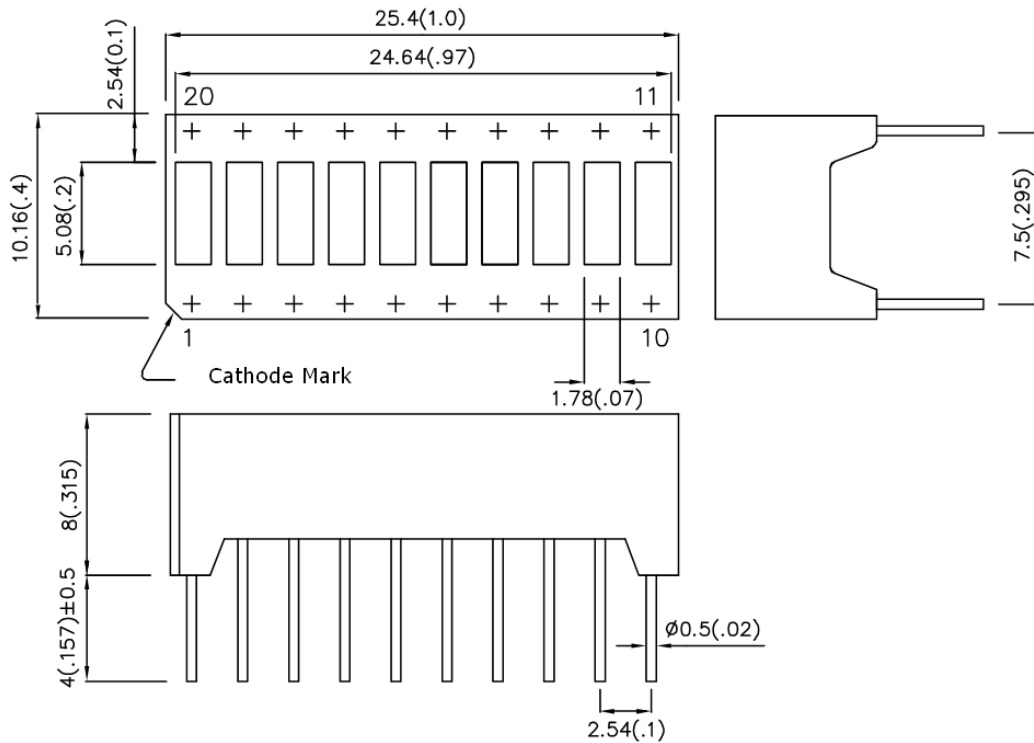
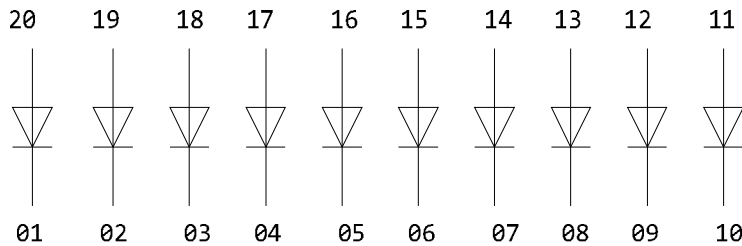


10 SEGMENT BARGRAPH ARRAY
Super GREEN LED (SG)

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.

<u>Bargraph/Array:</u>	<u>Lens Type:</u>	<u>Description:</u>
Super GREEN LED (SG)	White Diffused	10-Segments Bargraph/Array Display.

<u>Luminous Intensity:</u>	<u>Max.</u>	<u>Units</u>
If= 20 mA	80	mcd

Note 2: 1 mcd = 1 milli candelas (1×10^{-3} candelas)
1 cd = 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	SG	565	575	nm	If=20 mA
$\Delta\lambda$ 1/2	Spectral Line Half-Width	SG	30		nm	If=20 mA
V_F	Forward Voltage	SG	2.2	2.6	V	If=20 mA
I_R	Reverse Current	SG		20	μA	$V_R= 5 V$

Absolute Maximum Ratings at Ta= 25 °C:

<u>Parameter:</u>	<u>SG Device:</u>	<u>Units:</u>
Power Dissipation	40 - 52	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