

# Bending Detection Sensor



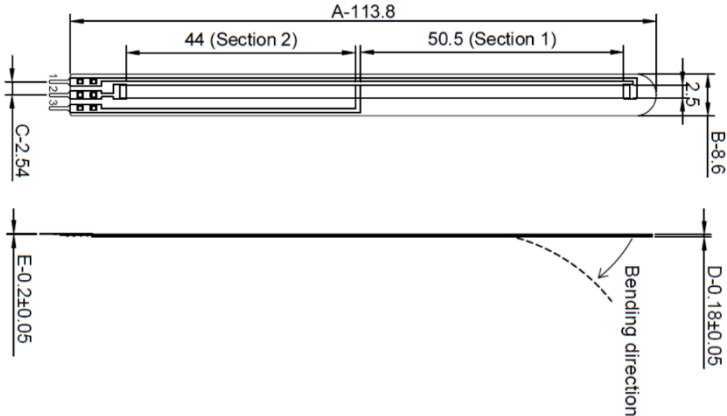
90mm Effective Length

## Application

- ✓ Rehabilitation, Gaming and many applications.

## Feature

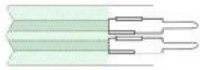
- ✓ Two angles detection in one sensor
- ✓ Thinner thickness, unaffected by pressure
- ✓ High-resolution and durable

| Order Code                                                                                          | Outline Drawing                                                                     |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| MB090-N-231-A03<br> |  |

## SPECIFICATION

|                                |                         |
|--------------------------------|-------------------------|
| MODEL                          | MB090-N-231-A03         |
| Angle range                    | 0° ~ 180°               |
| Resolution                     | 1°                      |
| Section 1 stand-off resistance | 70 K $\Omega$ $\pm$ 30% |
| Section 2 stand-off resistance | 60 K $\Omega$ $\pm$ 30% |
| Response time                  | < 1ms                   |
| Durability (Lifecycle)         | >40 Million             |
| Operating temperature          | -30°C to +80°C          |
| Power rating                   | 0.5 Watt max. @25°C     |

## CONNECTOR OPTIONS

|                                                                                                        |                                                                                                          |                                                                                                                      |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Female Contacts<br> | Solder Tabs (pin)<br> | Female Contact with Housing<br> |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|

Design and specifications presented here are for the standard parts only. Please kindly contact us for your special requests and ask for the current technical specifications before purchase and/or use.