

# Membrane Pressure Sensor



35\*19mm Active Area

## Application

- ✓ Fitness, sport, wearable and many applications.

## Feature

- ✓ Ultra-thin, flexible and sealed properties; improved resolution under high-pressure.

Order Code	Outline Drawing
MF01-N-221-A09	<p>75.4</p> <p>35</p> <p>19</p> <p>27</p> <p>29.24</p> <p>7.64</p> <p>(ACTIVE AREA)</p> <p>0.22±0.05</p> <p>4</p> <p>0.38±0.05</p>

\*Sensor loaded through an actuator more than or equal to active area.

## SPECIFICATION

MODEL	MF01-N-221-A09
PRESSURE SENSITIVITY RANGE	3 ~ 45 kg (29~450N)
ACTIVE AREA	35mm*19mm
FORCE REPEATABILITY (SINGLE PART)	±5%
FORCE REPEATABILITY (PART TO PART)	±20%
FORCE RESOLUTION	Continuous(Analog)
STAND-OFF RESISTANCE (UNLOADED)	>20MΩ
RESPONSE TIME	<1ms
OPERATING TEMPERATURE	-20°C to +70°C
LIFE CYCLE (WITHOUT FAILURE)	>1 Million

## CONNECTOR OPTIONS

Bare Tail	Female Contacts	Solder Tabs (pin)	Female Contact with Housing

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.