# Membrane Pressure Sensor



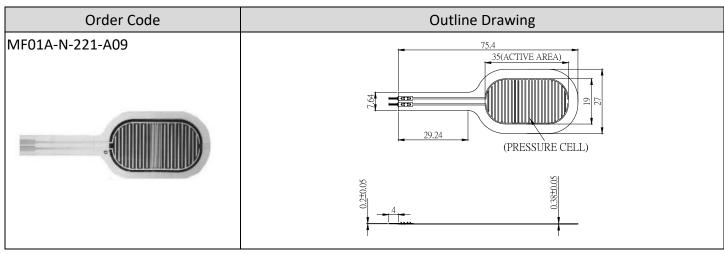
## 35\*19mm Active Area

# **Application**

✓ Fitness, sport, wearable and many applications.

#### **Feature**

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

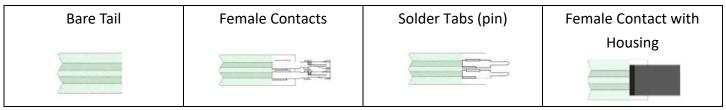


<sup>\*</sup>Sensor loaded through an actuator more than or equal to active area.

INSPECTION ITEM	SPECIFICATION
FORCE SENSITIVITY RANGE	3 kg∼45 kg (29N~450N)
FORCE RESOLUTION	Continuous (Analog)
STAND-OFF RESISTANCE (UNLOADED)	>20ΜΩ
FORCE REPEATABILITY (SINGLE PART)	2%
FORCE REPEATABILITY (PART TO PART)	10% (Single batch)
RESPONSE TIME	<1ms
LONG TERM DRIFT	<10% log10(time)
HYSTERESIS	10%
LIFE CYCLE (WITHOUT FAILURE)	>1 Million
OPERATING TEMPERATURE	-30°C to +85°C
HIGH HUMIDITY STORAGE	+70°C, 85%RH x 96hrs
HIGH TEMPERATURE STORAGE	+85°C x 120hrs
LOW TEMPERATURE STORAGE	-30°C x 120hrs

Specification based on 2 bar actuator measurement, one standard deviation / mean.

### **CONNECTOR OPTIONS**



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.