# Membrane Force Sensor



## 14.7mm Circle Active Area

## **Application**

✓ Fitness, Medical, Industrial and many others

### **Feature**

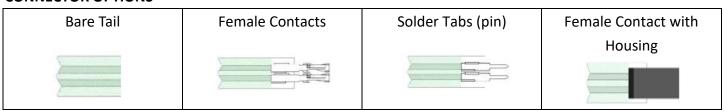
✓ Ultra-thin, with better performance at high temperature, humidity and repeatability.

Order Code	Outline Drawing
MF01A-N-221-A08	56.3  \$\frac{\phi}{4} \\ \frac{\phi}{200750}

INSPECTION ITEM	SPECIFICATION
FORCE SENSITIVITY RANGE	30g∼1000g (0.3N∼9.8N)
FORCE RESOLUTION	Continuous (Analog)
STAND-OFF RESISTANCE (UNLOADED)	50KΩ±20% (Fixed Resistor)
FORCE REPEATABILITY (SINGLE PART)	2%
FORCE REPEATABILITY (PART TO PART)	5% (Single batch)
RESPONSE TIME	<1ms
LONG TERM DRIFT	<10% log10(time)
HYSTERESIS	10%
LIFE CYCLE (WITHOUT FAILURE)	>10 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 1kg 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.

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