# Membrane Force Sensor



## 14.7mm Circle Active Area

## **Application**

✓ Fitness, Medical, Industrial and many others

#### **Feature**

✓ Ultra-thin, Flexible and sealed properties, Velocity-sensitive

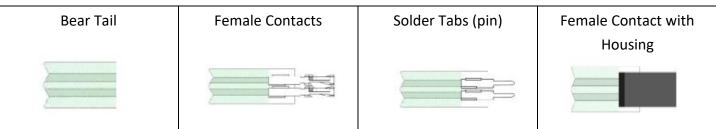
Order Code	Outline Drawing
MF01-N-221-A01	56.3  O14.7  ACTIVE AREA)  ACTIVE AREA  Fin 1  Pin 2  Fin 2  Fin 2  Fin 3  Fin 3  Fin 2  Fin 1  Fin 2  Fin 3  Fin 3  Fin 3  Fin 4  Fin 2  Fin 1  Fin 2  Fin 3  Fin 3  Fin 3  Fin 4  Fin 3  Fin 3  Fin 4  Fin 4  Fin 4  Fin 5  Fin 1  Fin 2  Fin 1  Fin 2  Fin 1  Fin 2  Fin 3  Fin 3  Fin 3  Fin 4  Fin 3  Fin 4  Fin 4  Fin 4  Fin 4  Fin 5  Fin 1  Fin 2  Fin 1  Fin 2  Fin 1  Fin 2  Fin 3  Fin 4  Fin 3  Fin 4  Fin

#### **SPECIFICATION**

MODEL	MF01-N-221-A01
FORCE SENSITIVITY RANGE	30g∼1000g (0.3N∼9.8N)
ACTIVE AREA	$\varphi$ 14.7mm
FORCE REPEATABILITY (SINGLE PART)	±2%
FORCE REPEATABILITY (PART TO PART)	±10%
FORCE RESOLUTION	Continuous(Analog)
STAND-OFF RESISTANCE (UNLOADED)	>20ΜΩ
RESPONSE TIME	<1ms
OPERATING TEMPERATURE	-20°C to +70°C
LIFE CYCLE (WITHOUT FAILURE)	>5 Million

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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