Membrane Force Sensor



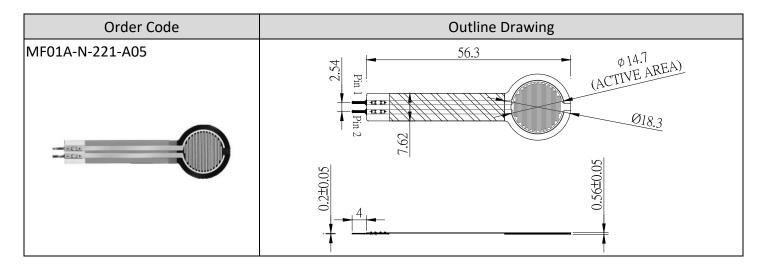
14.7mm Circle Active Area

Application

✓ Fitness, Medical, Industrial and many others

Feature

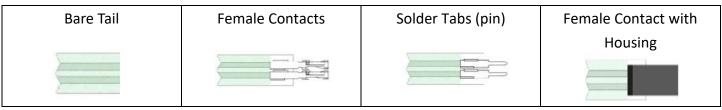
✓ Ultra-thin, with better performance at high temperature, humidity and repeatability.



INSPECTION ITEM	SPECIFICATION
FORCE SENSITIVITY RANGE	100g~10000g (1N~98N)
FORCE RESOLUTION	Continuous (Analog)
STAND-OFF RESISTANCE (UNLOADED)	>20MΩ
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)	>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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