

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
MF01A-N-221-A09	

*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)	>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)	>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

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.