

Membrane Force Sensor



14.7mm Circle Active Area

Application

- ✓ Wearable, VR Gloves Sensing, Pulse Detection (Medical), Sleeping Posture Monitoring and many others

Feature

- ✓ Ultra-thin, Lightweight, textile-like softness, causing minimum interference with physical movement.



Order Code	Outline Drawing
MF01A-N-221-A12	

INSPECTION ITEM	SPECIFICATION
FORCE SENSITIVITY RANGE	30g~4000g (0.3N~39N)
FORCE RESOLUTION	Continuous (Analog)
STAND-OFF RESISTANCE (UNLOADED)	> 20MΩ
FORCE REPEATABILITY (SINGLE PART)	2%
FORCE REPEATABILITY (PART TO PART)	10%
RESPONSE TIME	< 1ms
LIFE CYCLE (WITHOUT FAILURE)	> 10 Million
OPERATING TEMPERATURE	-30°C to + 60°C
HIGH HUMIDITY STORAGE	+40°C, 95%RH x 96hrs
HIGH TEMPERATURE STORAGE	+60°C x 120hrs
LOW TEMPERATURE STORAGE	-30°C x 120hrs

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.