

# 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.



| Foto | Outline Drawing |
|------|-----------------|
|      |                 |

| INSPECTION ITEM                    | SPECIFICATION        |
|------------------------------------|----------------------|
| FORCE SENSIVITY 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.