Force Sensor

HSFPAR007A

Compact, High-Linearity Type Ideal for Stylus Pens for Smartphones

Features Footprin

- Footprint 40% of earlier product, realized through ongoing size reduction efforts
- High sensitivity and high linearity (2% FS)
- Long operating life of 1 million cycles
- Detects stress as light as zero stroke (0.01N)
- Outstanding impact resistance achieved with a load-distributing design
- Structure unaffected by external magnetic or electric fields

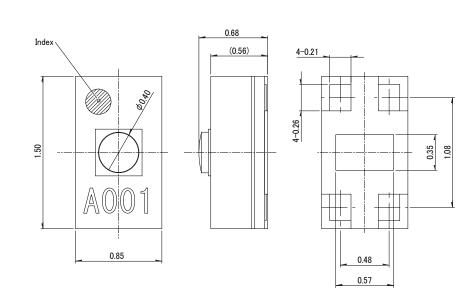
Applications

- Stylus pens and other input devices
- Pressure application adjustment for gripping by robot arms
- Various industrial equipment

Typical Specifications

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|--------------------|-------------------------|
| Dimensions (W×D×H) | 1.50 × 0.85 × 0.68 mm |
| Force range | 8N |
| Supply voltage | 1.5 - 3.6V |
| Sensitivity | 2.5 mV/V/N |
| Linearity | 2% FS (FS = full scale) |
| Operating life | 1 million cycles (@ 8N) |
| Max. load rating | 55N |

Dimensions



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