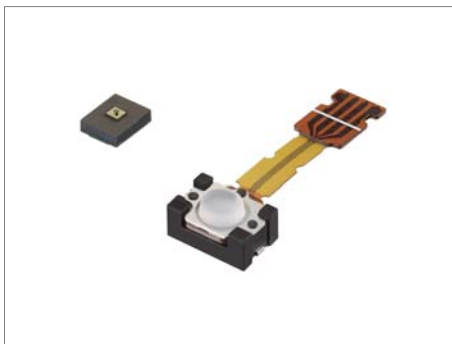


# HSFPAR Series Force Sensor

## Industry's Smallest Size<sup>※</sup> and High Sensitivity Realized with MEMS Technology



### Features

- Compact, low-profile dimensions allow integration even into thin end products
- Detects stress as low as 0.01N
- Long operating life of more than 1 million cycles
- Unit type with FPC also available

### Applications

- Stylus pens and various other input devices
- Load balance and grip force detection for robots
- Various industrial equipment

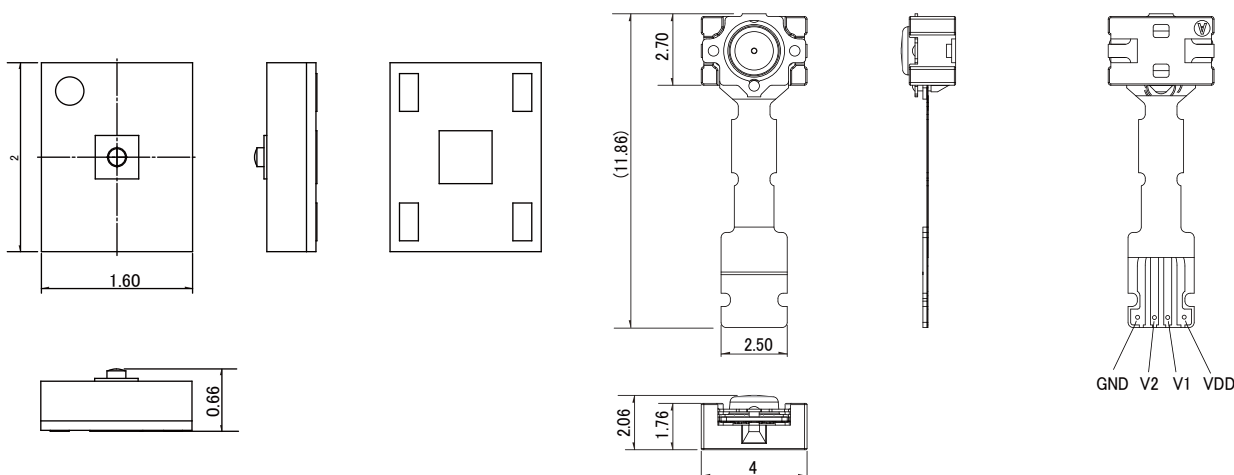
※According to Alps Electric research as of July 2015

### Typical Specifications

Items	Specifications	
	SMD type	Shock-resistant unit type
Dimensions (W×D×H)	2.00 × 1.60 × 0.66 mm	4.00 × 2.70 × 2.06 mm
Measurement range	8N	7N
Sensitivity	3.7mV/V/N	3.7mV/V/N
Linearity	<3% FS	<3% FS
Operating life	1 million cycles (@8N)	1 million cycles (@7N)
Supply voltage	1.5 - 3.7V	1.5 - 3.7V
Impact resistance	50N	200N

### Dimensions

Unit : mm



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### Cautions for using this catalog

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