

HSPPA Series Digital Pressure Sensor

Industry-lowest current consumption* and high sensing precision



Features

- 1.8 μ A low current consumption (in Low Power mode)
- \bullet High sensing precision with ± 0.7 hPa absolute and ± 0.05 hPa relative pressure accuracy
- Industry-smallest dimensions of 2.0 \times 2.5 \times 0.9mm
- 1Built-in temperature compensation circuit means compensation by the host product is not required
- Built-in 16-step FIFO

Applications

- Smartphones, tablets, wearable electronics and other mobile devices
- Altitude control for drones or other equipment
- Indoor navigation

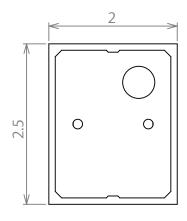
Typical Specifications

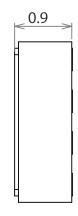
*Alps Electric research as of March 2016

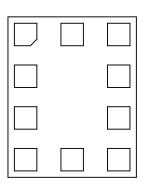
Dimensions (W×D×H)	2.0 × 2.5 × 0.9 mm
Output	Digital (I2C, SPI)
Operating temperature range	-40 to + 85°C
Absolute pressure accuracy	±0.7hPa
Relative pressure accuracy	±0.05hPa
Pressure range	300∼1100hPa
Noise	0.013hPa (High Resolution mode)
Supply voltage	1.7 – 3.6V
Current consumption	1.8 μ A (1Hz sampling, Low Power mode)

Dimensions

Unit : mm







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