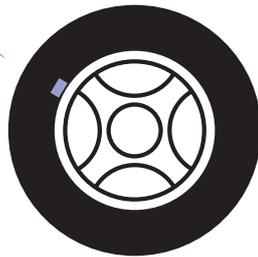


Capacitance Type Pressure Sensor (to Detect Absolute Pressure)

HSPC Series

New
2007

Tire pressure monitor
100~500kPa



Blood-pressure manometer
0~40kPa



Energy-efficient/high sensitivity.

Various pressures can be detected.

Air conditioner
0~3500kPa

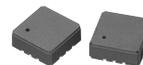


Cleaner
-100~0kPa

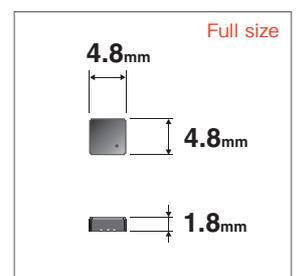


Compact, low-profile and highly sensitive capacitance type is developed through integration of thin-film processing technology, precision processing technology, and packaging technology.

- Adoption of the capacitance method enables low current consumption and high sensitivity.
- Compact and low-profile design (4.8×4.8×1.8mm).
- Automotive environment can be supported through a wide range of operating temperatures.
- Available for reflow soldering.



Tire pressure monitor type



Capacitance Type Pressure Sensor (to Detect Absolute Pressure)

HSPC Series



Tire pressure monitor type

Compact size, high sensitivity, low-current-consumption pressure sensor developed through the integration of a capacitance sensing technology and thin-film processing technology.

Applications

Pressure detection in tire pressure monitoring systems, blood, air and other pressure monitors.

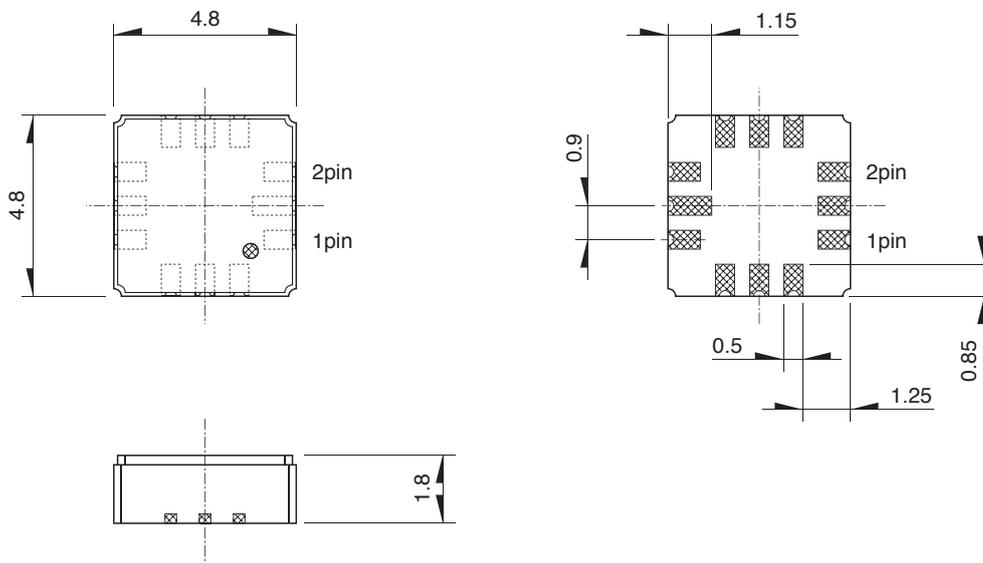
Typical Specifications (Tire pressure monitor type)

Items	Specifications
Dimensions (W×D×H)	4.8×4.8×1.8mm
Type of pressure	Absolute pressure
Operating temperature	-40 to +125°C
Measurable pressure range	100 to 500kPa
Capacity value at 100kPa	7pF (representative value)
Capacity value at 500kPa	12.6pF (representative value)
Pressure change sensitivity	1.8 (500kPa/100kPa)

Dimensions

Tire pressure monitor type

Unit:mm



Cautions for Use

1. Specification indicated in this catalog is outline only. When employing the product, use of an officially authorized specification for supply contract is recommended.
2. Unless specifically indicated otherwise, products in this catalog have been designed and manufactured for use in ordinary electronic equipment and devices, such as AV equipment, electric home appliances, office machines, and communications equipment. Equipment manufacturers are consequently advised that when these products are planned for equipment that requires a high degree of safety and reliability, especially those apparatuses like medical equipment, aviation and aircraft equipment, space equipment, and burglar alarm equipment, the manufacturers should assure equipment safety by providing protection circuits and redundant circuitry and should fully study the suitability of such products for the intended equipment.
3. The external appearance, performances, and other properties of the product may be changed for improvement without prior notice. The product introduced in this catalog may discontinue being produced without prior notice.
4. All product names, company names and names of standards described in this catalog are trademarks or registered trademarks of their respective owners.
5. Please contact us for any enquiries and queries on our products and their uses.
6. This catalog is valid till the end of December 2007.

Inquiries about Products

Products Information Center +81 (3) 5499-8154
Products Catalog Site <http://www3.alps.com>

ALPS[®]
ALPS ELECTRIC CO., LTD.
1-7, Yukigaya-otsuka-cho, Ota-ku, Tokyo, 145-8501