

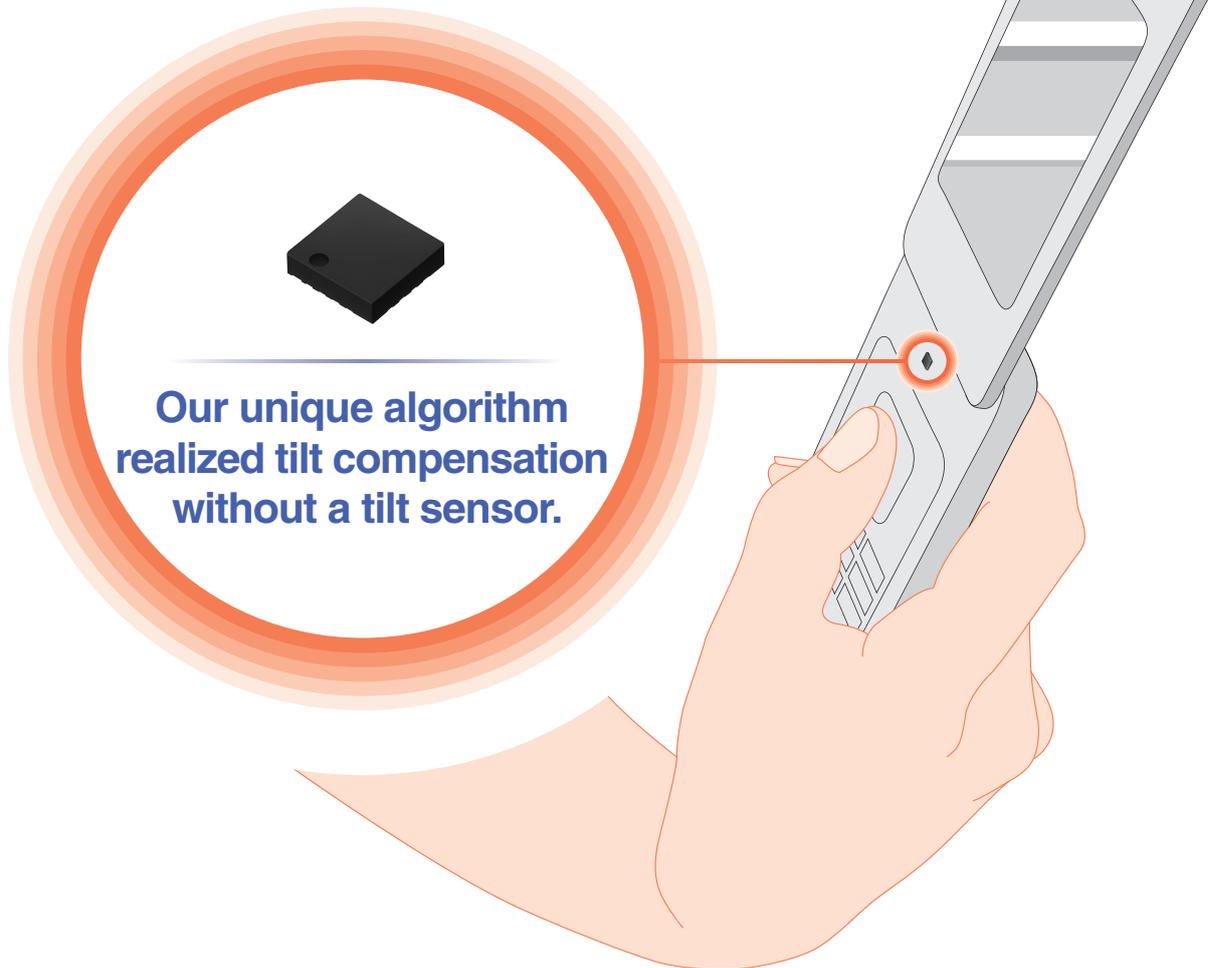
Geomagnetic Sensor

ALPS[®]

HSCD Series

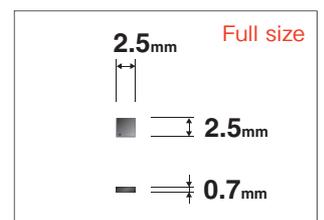
New
2007

Tilt compensation with eazy operation.



This 3 axes geomagnetic sensor realizes compact and high signal/noise ratio with unique high sensitive magnetic element and high precision mounting technologies.

- Realization of compact size and thin shape (2.5×2.5×0.7mm) .
- Unique high sensitive magnetic element makes it possible to detect azimuth direction in low magnetic area.
- Automatic tilt compensation allows accurate detection of position even if the set product is tilted in vertical direction (mesurable range is $\pm 90^\circ$ in vertical).
- Low power consumption.



Alps offers a new world in high precision geomagnetic Sensor.

Geomagnetic Sensor

HSCD Series



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Applications

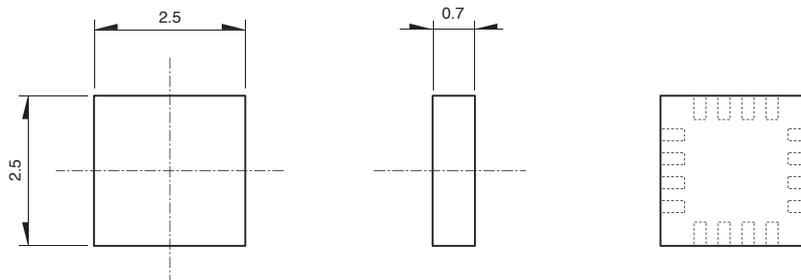
Mobile Phones, Portable Navigation Systems, Wristwatch, Personal Digital Assistances

Typical Specifications

Items	Specifications
Dimensions (W×D×H)	2.5×2.5×0.7mm
Azimuth accuracy	±5°
Current consumption	200 μ A
Measurement range	-0.6 to 0.6mT
Interface	I ² C

Dimensions

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.

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