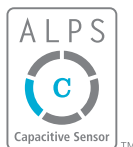


Digital Humidity Sensor

**NEW
2014**

HSICAL Series

The world's smallest mounting area※ of 2.0×2.0mm



Features

- Employs capacitive sensing, enabling measurement in 0 to 100% RH
- Built-in temperature output function enables temperature compensation within the sensor device
- Low current consumption (15 μ A) contributes to device power savings

Applications

- Smartphones, other mobile devices and wearable electronics
- Air-conditioning systems, air purifiers, refrigerators and other home appliances
- Printers, digital cameras and other electronic equipment

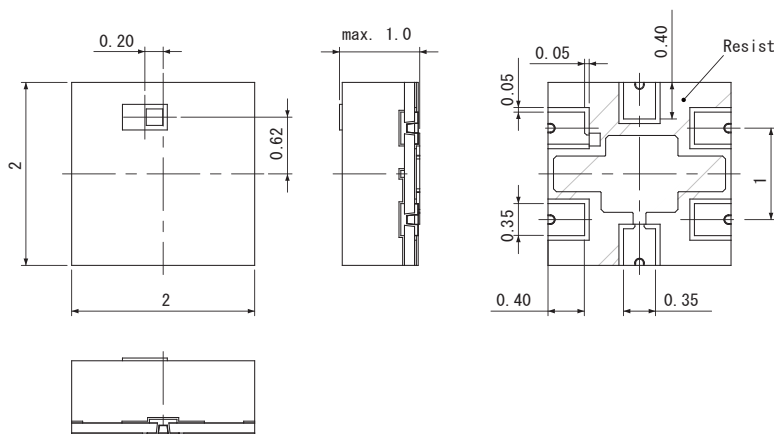
※According to Alps Electric research as of April 2014

Typical Specifications

Dimensions (W × D × H)	2.0 x 2.0 x 1.0mm
Output	Digital
Operating humidity range	0 ~ 100% RH
Operating temperature range	-20 to +85°C
Supply voltage	1.71 ~ 1.89V
Accuracy	±1.5% RH (@ 25°C/50% RH)
Temperature sensitivity	50LSB/°C
Current consumption (1Hz, Vdd=1.8V)	15 μ A
Resolution	14 bit

Dimensions

Unit:mm



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1. For the export of products which are controlled items subject to foreign and domestic export laws and regulations, you must obtain approval and/or follow the formalities of such laws and regulations.
2. Products must not be used for military and/or antisocial purposes such as terrorism, and shall not be supplied to any party intending to use the products for such purposes.
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4. Before using products which were not specifically designed for use in automotive applications, please contact an Alps sales representative.

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7. This catalog is valid until the end of December 31, 2014.

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Product Information URL

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