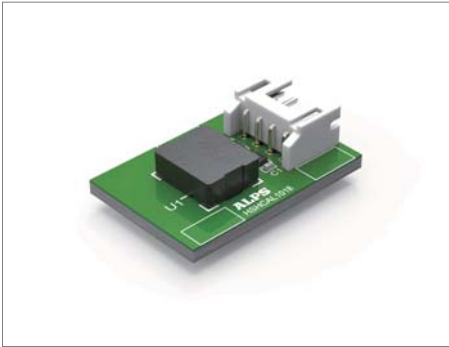## HSHCAL Series
Digital Temperature & Humidity Sensor
PC Board Mount Module Type

Addition of a PC board mount module to the lineup helps improve equipment performance and design freedom

Features

● Easily installed within end products in the optimal location for performing measurement
● Employs capacitive sensing, enabling operation in 0 to 100% relative humidity
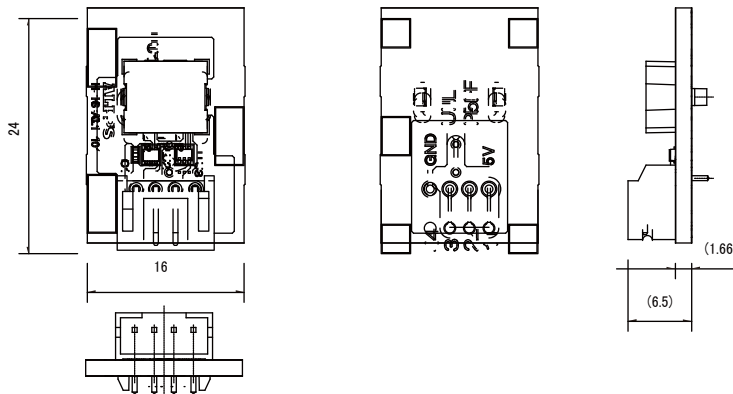● Supports I2C interface output

Applications

● Air purifiers
● Air-conditioning systems
● Refrigerators and other major home appliances

Typical Specifications

Items	Specifications
Dimensions （W×D×H）	24 × 16 × 6.5 mm
Supply voltage	2.5 - 5.5 V
Operating temperature range	- 20 to +85 ℃
Operating humidity range	0 ～100% RH
Humidity sensitivity	64LSB/% RH
Temperature sensitivity	50LSB/ ℃
Accuracy	±5%RH（@25℃/40, 60 %RH）

Dimensions

Unit : mm

Precautions when handling our products

●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. ●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. ●Unless provided for otherwise, the products have been designed and manufactured for application in equipment and devices which are sold to end users in the market, including audio-visual (AV) equipment, electrical home appliances, office machines, information and communication equipment, and amusement equipment. The products are not intended for use in, and must not be used for, any application for nuclear equipment, driving equipment for aerospace or any other unauthorized use. With the exception of the abovementioned prohibited applications, please contact an Alps sales representative and/or evaluate the total system regarding applicability for applications involving high levels of safety and liability such as medical equipment, burglar alarm equipment, disaster prevention equipment and undersea equipment. Please also incorporate fail-safe design, protection and redundant circuitry, malfunction protection, and/or fire protection into the complete system to ensure safety and reliability of the total system. ●Before using products which were not specifically designed for use in automotive applications, please contact an Alps sales representative.

Cautions for using this catalog

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