

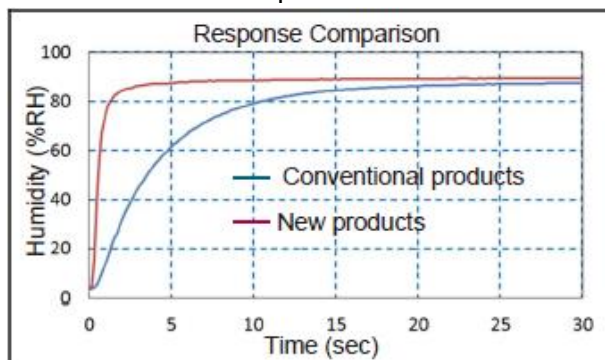
Model No.HSU-CHU-41A

World's Fastest



Features

- Ultra-high-speed response by reviewing materials and structure.
- Supports a wide range of drive voltages (1.62 to 5.5V)
- Low current consumption



Utilizing high-speed response, it is ideal for use in the fields shown below.

Classification	Application
General consumer products such as air conditioners and refrigerators	Energy saving measures
Medical equipment	CPAP device (continuous positive airway pressure) Ventilator
In-vehicle	Fogging detection Energy saving measures

Specifications

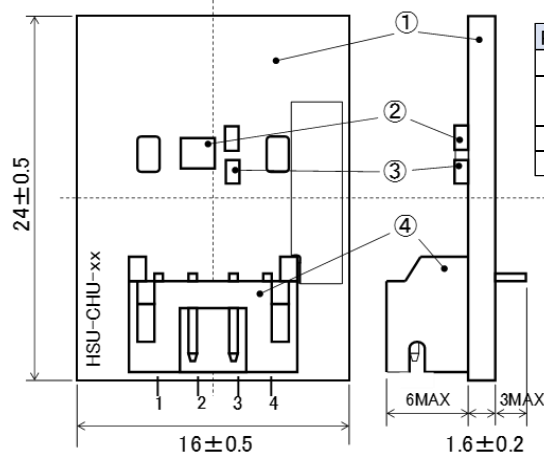
1) Absolute Maximum Ratings

Item	Specification	Unit	Remarks
Storage temperature range	-25~85	°C	
Drive voltage	-0.3~7.0	V	

2) Electrical Characteristics

Item	Specification	Unit	Remarks
Drive voltage	1.62~5.5	V	
Current consumption	300	μA	
Humidity	Operating range	0~100	%RH
	Output form	Digital output	I2C communication
	Resolution	0.1	%RH
	Humidity accuracy	±3	%RH
Temperature	Operating range	-20~85	°C
	Output form	Digital output	I2C communication
	Resolution	0.1	°C
	Temperature accuracy	±0.5	°C

3) Dimensions



Parts No.	Name	Specification
①	Printed Circuit	CEM-3 / 1.6±0.2mmt
②	Humidity & Temperature Sensor	Capacitive Type Humidity Sensor (HSU-CHM-04A)
③	Mounted Parts	Chip Capacitor
④	Connector	S4B-PH-K-S, Manufactured by JST, 2mm pitch

<CirCuit Diagram>

No.	Symbol	Name
1	Vcc	Power Terminal
2	SCL	I2C Clock
3	SDA	I2C Data
4	Vss	Ground Terminal

