



# HUMIDITY SENSORS

## **HUMIDITY SENSORS**

Package

**Operating RH Range** 

Operating Temp.

**Unique Features** 

Dimensions (mm)

Typical Applications

Accuracy

Туре

## HUMIDITY AND TEMPERATURE (NTC) COMPONENTS

Analog Voltage and Digital Output





opening plastic cap

Capacitive humidity

Cost effective solution

180 pF. ±3 pF at 55% RH

0 to 100% RH

-60°C to 140°C

10 x 10 x 19

Through hole TO39 with side

Robust and recognized component

• Suitable for most humidity applications

Applications requiring a robust humidity sensor in appliance, HVACR, consumer

electronics, printing, meteorology

HS1101LF



#### HTU2X

DFN type

Digital RH and NTC temperature

0 to 100% RH

-40°C to 125°C

Low power consumption
 Fast response time
 Very low temperature coefficient
 I<sup>2</sup>C interface or PWM interface or SDM interface

±3% RH at 25°C (10 to 95% RH) ±0.3°C at 25°C

3.0 x 3.0 x 1.0

Humidity and temperature plug and play transducers for OEM demanding applications in appliance, printer, medical, HVACR



#### HTU2XF

DFN type

Digital RH and NTC temperature

0 to 100% RH

-40°C to 125°C

• Low power consumption

• Fast response time

- Very low temperature coefficient
- I<sup>2</sup>C interface or PWM interface or SDM interface • Optimal filter

±3% RH at 25°C (10 to 95% RH) ±0.3°C at 25°C

3.0 x 3.0 x 1.0

Humidity and temperature plug and play transducers for OEM demanding applications appliance, printer, medical, HVACR

## HUMIDITY AND TEMPERATURE (NTC) MINI-MODULES

Analog Voltage and Digital Output



	HTU3535PVBM/Wire
Package	Cost effective, small size mini-module
Туре	Analog voltage RH and NTC temperature
Operating RH Range	0 to 100% RH
Operating Temp.	-40°C to 110°C
Unique Features	<ul> <li>PTFE filter (Optional)</li> <li>Electronics fully protected (5 V)</li> <li>Multiple connector choices (JST, Samtec board to board through hole)</li> <li>Based on HTU21</li> </ul>
Calibration	±3% RH at 55% RH; ±0.25°C at 25°C
Dimensions (mm)	27 x 11.9 x YY (Depending on the connector, from 6 to 10.8 mm length)
Typical Applications	Humidity and temperature plug and play transducers for OEM demanding applications in HVACR, home appliance, printer and medical



HTU383X/Wire

Cost effective small size mini-module

Digital RH and NTC temperature

0 to 100% RH

- -40°C to 110°C
- PTFE filter (Optional)
- Electronics fully protected (5 V)Multiple connector choices (JST, Samtec
- board to board through hole)
  Based on HTU21

±3% RH at 55% RH; ±0.25°C at 25°C

27 x 11.9 x YY (Depending on the connector, from 6 to 10.8 mm length)

Humidity and temperature plug and play transducers for OEM demanding applications in HVACR, home appliance, printer and medical



#### HTG351xCH

Cost effective small size mini-module

Analog voltage RH and NTC temperature

- 0 to 100% RH
- -40°C to 110°C
- Electronics fully protected with potting material (3.3 V or 5 V)
- Multiple connector choices (JST, Samtec board to board through hole)

±3% RH at 55% RH; ±0.25°C at 25°C

27 x 11.9 x 6.7

Humidity and temperature plug and play transducers for OEM applications in HVACR, appliance, printer and medical

## **HUMIDITY SENSORS**

### **HUMIDITY AND TEMPERATURE (NTC) PROBES**

Analog Output

Туре







## HUMIDITY AND TEMPERATURE (NTC) SENSORS

Frequency Output Systems (Digital)



#### HTF3000LF

Package	PCB for board to board
Туре	Frequency output for RH, direct NTC for temperature
Operating RH Range	0 to 100% RH
Operating Temp.	-40°C to 85°C
Unique Features	<ul> <li>Voltage supply from 3 to 8 VDC</li> <li>Through hole or SMD</li> <li>T and R available</li> </ul>
Calibration	±3% RH at 55% RH; ±0.25°C at 25°C
Dimensions (mm)	12.5 x 18.5 x 11.2
Typical Applications	HVACR, printer, cabin comfort, hygrostat