



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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HUMIDITY SENSORS: TYPE HS12P, HS15P

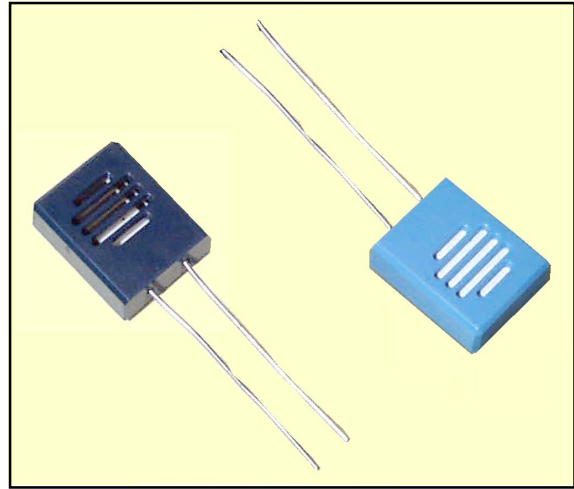
RELATIVE HUMIDITY SENSOR

DESCRIPTION:

Non-refresh type humidity sensor made of polymer.

FEATURES:

- Good long term reliability
- Cost effective performance
- HS15P water resistive
- Typical applications include humidity monitors, humidity controllers, air conditioners, humidifiers, dehumidifiers, automatic ventilation



DATA:

CODE	HS12P	HS15P
Operating Temperature	0 to 50°C	
Operating Humidity	20 to 90% RH (without condensing)	20 to 100% RH
Impedance at 25°C 50% RH	60 k ohm +/- 30 k ohm (+/- 5% RH)	
Rated Voltage	A.C. 1 V rms	
Rated Frequency	50 Hz to 1 kHz	
Consumption Power	0.3 mW	

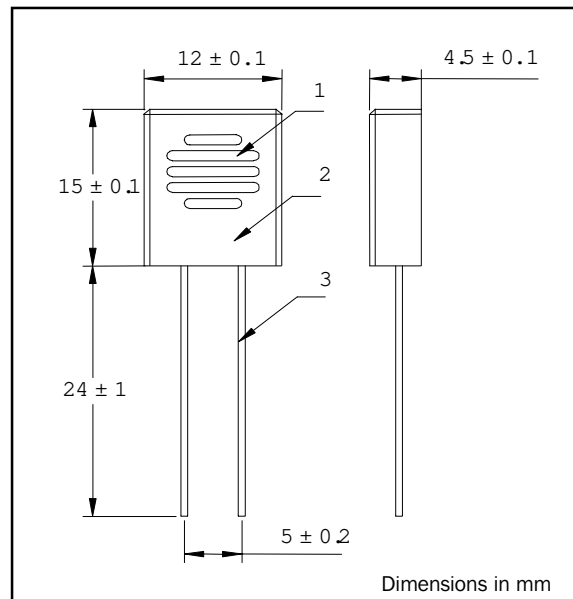
CODING:

HS12P: quick response type
 HS15P: water resistant type

WARNING:

Use only within the specified limits.
 Do not disassemble and change any parts.
 Do not apply DC voltage or DC bias.
 Do not immerse into water or any solution.

DIMENSIONS:



1. Filter

2. Case ABS: Dark blue (HS12P)
 Light blue (HS15P)

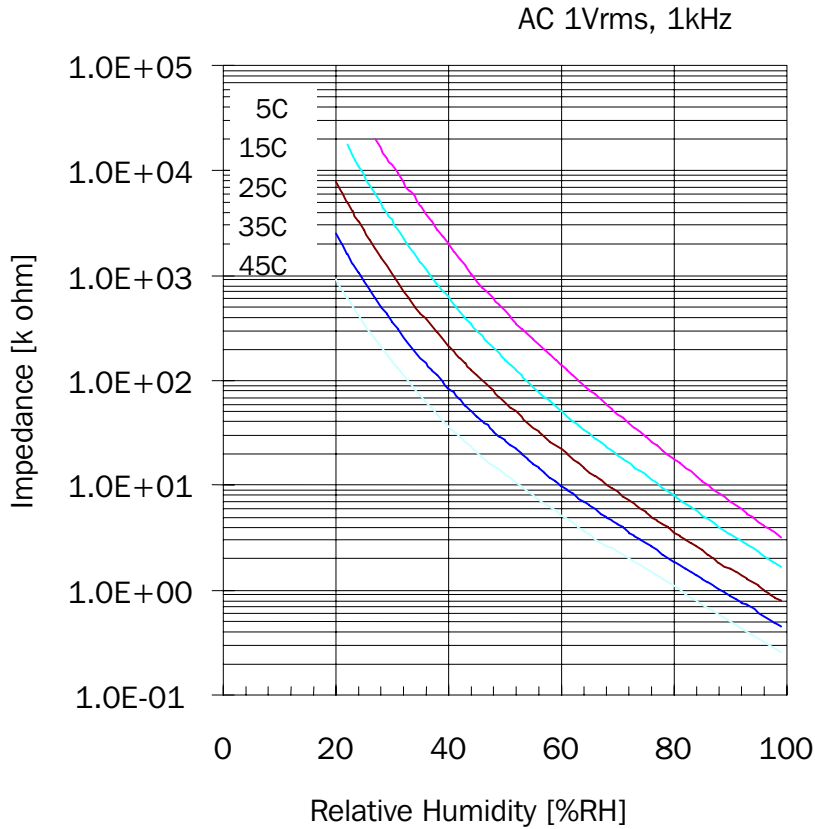
3. Lead wire Sn-Pb plated Cu
 Diameter: 0.6mm



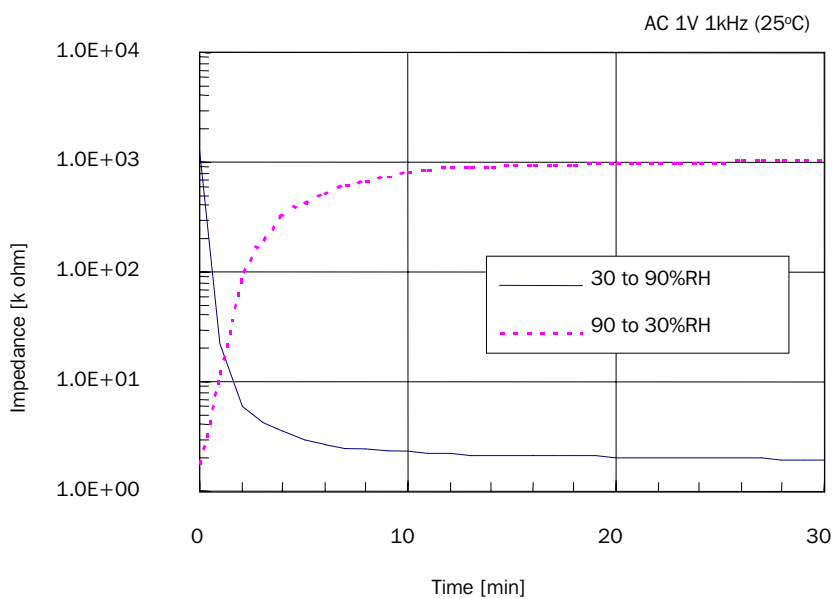
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RELATIVE HUMIDITY SENSOR

TYPICAL HUMIDITY CURVE:



TYPICAL RESPONSE CURVE:



Data sheet D-HS12/15P-1