

**SPEC. SHEET
FOR
11472-MI**

HUMIDITY SENSOR HS15-SERIES

The polymer humidity sensors HS15-series feature superior long-term reliability. And the HS15-series has much higher water resistance than the HS12-series has. It can be used in the conditions liable to dew condensation.

Some types of the HS15-series are available:

1. With standard lead pins or with flexible leads.
2. A standard shape or with a wide window.
3. Temperature compensation types.

Features

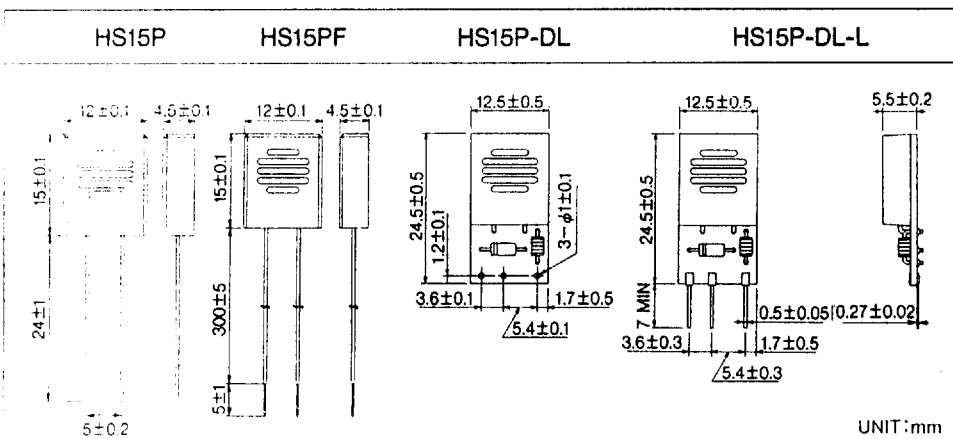
- Superior water resistance for use in conditions liable to dew condensation
- Superior long-term reliability
- Humidity sensing performance is compatible with the HS12-series

Applications

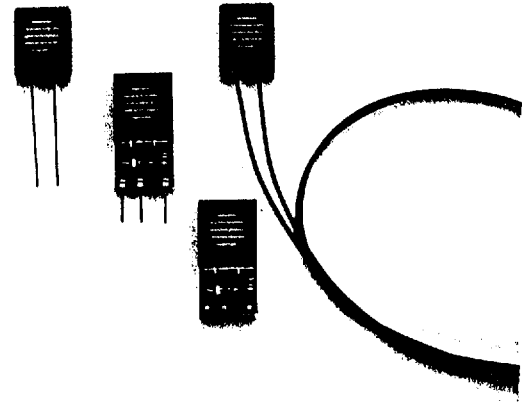
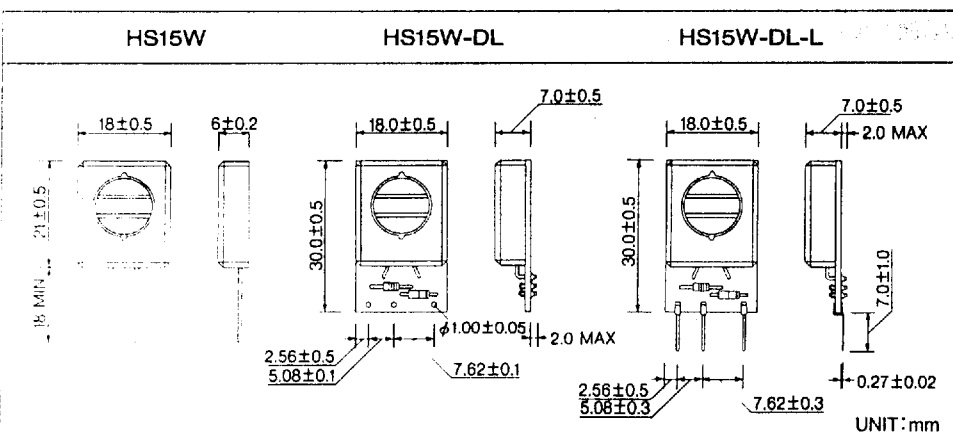
Humidifiers, Dehumidifiers
Humidity monitors and controllers
Air conditioners
Agricultural houses

Shape and Dimension

Standard Type



Wide Window Type

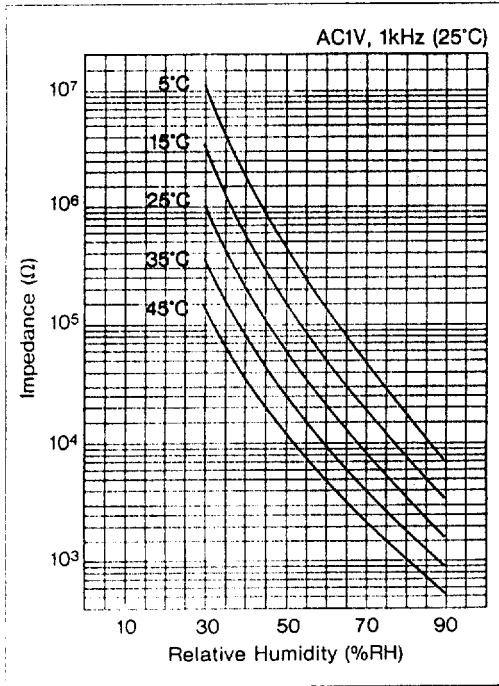


Specifications

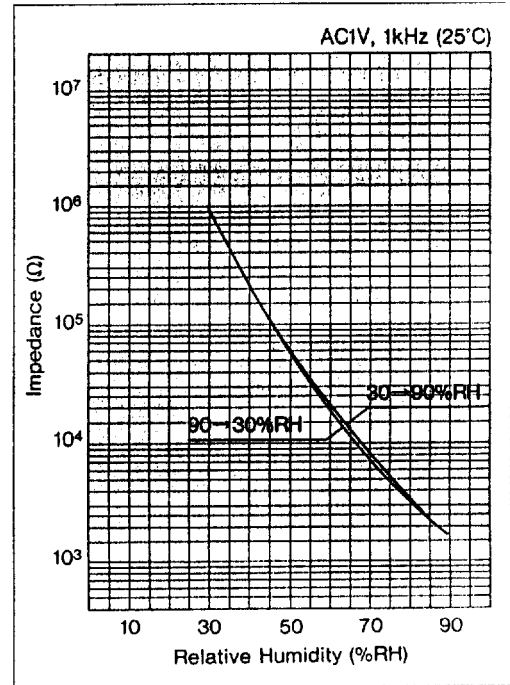
Type	HS15P	HS15P-DL	HS15W	HS15W-DL
Measurement range	20%RH~100%RH			
Operating temperature	0°C~50°C			
Measurement accuracy	±5%RH			
Impedance (25°C,50%RH)	60kΩ±30kΩ			
Drive voltage	AC 1V			
Measuring frequency	50Hz~1kHz			
Rated power	0.3 mW			
Temperature compensation	-	○	-	○
Case color	Light blue			

CHARACTERISTICS HS15-SERIES

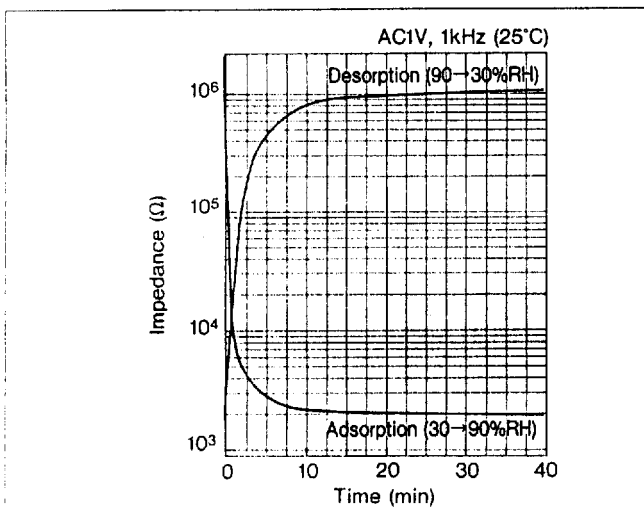
☐ Humidity Sensing Performance



☐ Humidity Hysteresis



☐ Humidity Response Characteristics



[Note]

- If the porous filter of the case is clogged, the response characteristics will be degraded. Use a wide window type if used in a place with much moistures, dust, etc.
- If any DC voltage is mixed in the supply voltage, polarization will occur and this will cause the characteristics to be deteriorated. To avoid this, be sure to use an AC power supply.