

Humidity Sensor Units SYH-2T

- Humidity, with temperature, is an important factor in personal comfort and in quality control for materials, machinery etc.

Specifications

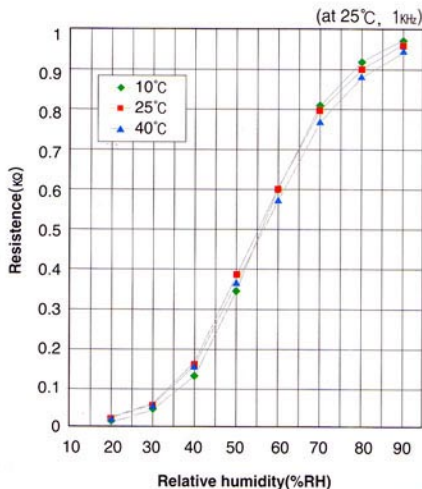
Items	SYH-2T
Rated voltage	AC 1V _{rms} (1kHz)
Rated power	AC 0.22mW
Operating temperature	0~60°C
Operating humidity	20~95%RH
Storage humidity	Within 95%RH
Storage temperature	-30~85°C
Remarks	PCB unit containing thermistor or diode for temperature compensation

Standard Characteristics

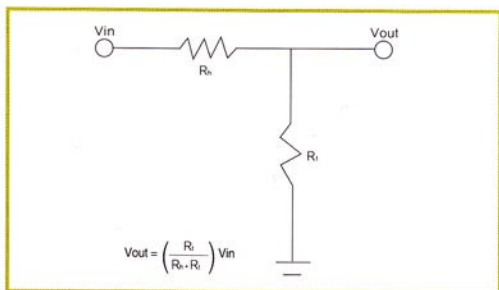
%RH	Spec.		
	10°C	25°C	40°C
20	0.012	0.017	0.019
30	0.042	0.053	0.053
40	0.128	0.156	0.153
50	0.330	0.382	0.355
60	0.601	0.602	0.573
70	0.808	0.794	0.768
80	0.919	0.904	0.884
90	0.972	0.958	0.946

Rh = SYH-2
 Rt = 50kΩ (at 25°C)
 = 108.3kΩ (at 10°C)
 = 24.46kΩ (at 40°C)

Characteristics Curve



Driving Circuits



Dimensions (Unit : mm)

