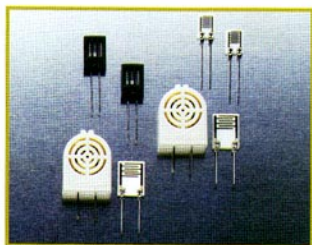


## Humidity Sensor Units SYH-1, SYH-1s

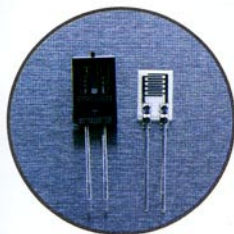


Humidity sensors made of a thermosetting resin developed by our technology for water resistance and durability show excellent electrical properties.

## Specifications

Items	SYH-1, SYH-1s
Rated voltage	AC 1V <sub>RMS</sub> (1V <sub>PK</sub> )
Rated power	AC 0.26mW
Operating temperature	0~60°C
Operating humidity	20 ~ 95%RH
Standard characteristics	23k $\Omega$ (at 25°C, 60%RH)
Storage temperature	-30 ~ 85°C
Storage humidity	Within 95%RH
Humidity accuracy	$\pm 5\%$ RH(at 25°C, 60%RH) * <sup>1)</sup>
Humidity response time	<60 sec.(40 → 80%RH)
Hysteresis	$\pm 2\%$ RH(40 → 80%RH)

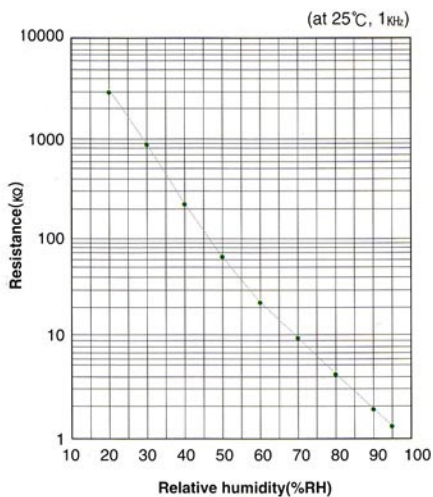
\*<sup>1)</sup> possible to  $\pm 2\%$ RH by customer requirement



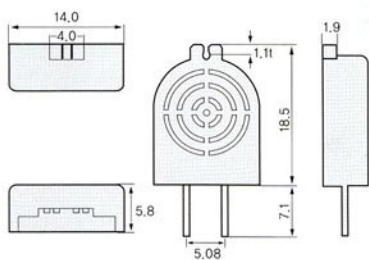
## Standard Characteristics

%RH	Spec. (kΩ) SYH-1, SYH-1s
20	3000
30	920
40	220
50	66
60	23
70	9.6
80	4.2
90	1.9
95	1.3

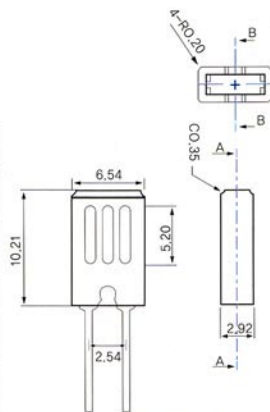
## Characteristics Curve



## Dimensions (Unit : mm)



SYH-1



SYH-1s