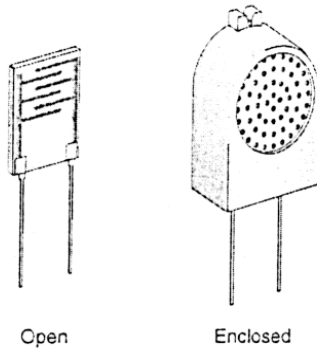


<b>Order code</b>	<b>Manufacturer code</b>	<b>Description</b>
61-0985	n/a	RESISTIVE HUMIDITY SENSOR (RC)

	Page 1 of 2
The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007

# ESI type SRHR

Miniature sensors whose ac resistance (impedance) decreases as relative humidity rises. They consist of an RH sensitive material deposited on a ceramic substrate which offers high sensitivity and reliability in a small package. Choice of resistance, with terminations set at 5.08mm pitch on the 23kΩ version and 2.54mm on the 33kΩ. Option of open construction or housed in a moulded case.



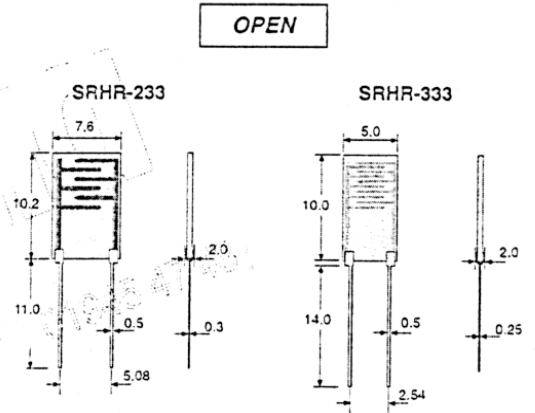
- ◆ High sensitivity & reliability
- ◆ Fast response time
- ◆ High resistance to chemicals & contaminants
- ◆ Choice of resistance
- ◆ Option of open construction or enclosed in a moulded cream coloured body

## Specification

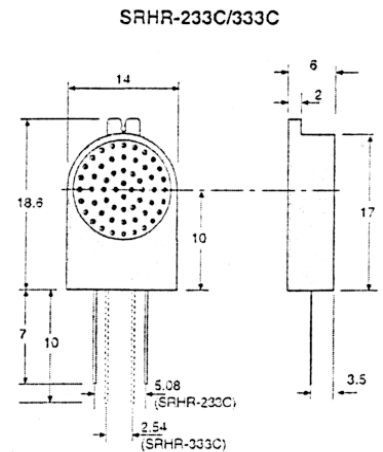
Characteristic	Figure		Conditions
	SRHR-233(C)	SRHR-333(C)	
Humidity range	30 to 90%RH	20 to 95%RH	
AC resistance (see table)	23kΩ	33kΩ	50%RH, 25°C
Rated voltage (ac)	1.4Vpk		
Rated power (ac)	0.26mWpk	0.22mWpk	
Frequency range	50Hz to 1kHz		
Accuracy	±3%RH		60%RH, 25°C
Hysteresis	±3%RH	±2%RH	between 40% and 80%RH
Temp. dependence	0.5%RH/°C		
Response time	< 60 sec.		
Oper. temp. range	0°C to +60°C		

AC Resistance Value (at 25°C)		
RH	SRHR-233(C)	SRHR-333(C)
30%	920kΩ	900kΩ
40%	220kΩ	270kΩ
50%	66kΩ	81kΩ
60%	23kΩ	33kΩ
70%	9.8kΩ	13kΩ
80%	4.2kΩ	5.3kΩ
90%	1.9kΩ	2.2kΩ

## Dimensions (mm)



## ENCLOSED



Resistance at 60%RH	Pitch	Manf. Part No. & angle Order Code	
		Open	Enclosed
23kΩ	5.08mm	SRHR-233	SRHR-233C
33kΩ	2.54mm	SRHR-333	SRHR-333C