Home Appliances Air conditioning

17. Copper pipe sensor

Zero power resistance R₅₅: $14.05 \text{ k}\Omega \pm 3\%$ B value B_{25/50}: 4120 K ± 2% Temperature range:

– 20°C to 80°C

Temperature sensor that is inserted into a copper pipe and can be used for a wide variety of purposes.



Temperature sensor that has been dipped in

Epoxy

Thermistor

temperature.

8.5±1.5

g

epoxy resin and optimized for measuring room

PVC wire

(105°C heat resistant)

Connector

Thermal time constant: approx, 8 sec. (in stirred water) Breakdown voltage: AC 2200 V 1 sec. Insulation resistance: DC 500 V 100 MΩ+

18. Epoxy-dipped sensor



Zero power resistance R₂₅: $10.0 \text{ k}\Omega \pm 3\%$

B value B_{25/50}: 3950 K ± 2% Temperature range: - 20°C to 80°C

Thermal time constant: approx. 5 sec. (in stirred water) Breakdown voltage: AC 2200 V 1 sec. Insulation resistance: DC 500 V 100 MΩ+

Refrigerator

19. Resin pipe sensor



Zero power resistance R₂₅: $10.0 \text{ k}\Omega \pm 1\%$

B value B_{25/85}: 3435 K ± 1% Temperature range: – 30 to 90℃

Thermal time constant: approx. 20 sec. Breakdown voltage: Insulation resistance:

AC 1800 V 1 sec. DC 500 V 100 MΩ+

20. Thermopile module non contact sensor.



Measured temperature: 0°C ± 3.0°C Output voltage: Measuring temp. range: - 35°C to 35°C – 35℃ to 35℃ Temperature range:

Response time: approx. 10 msec. type 55 Angle: Rated voltage : + 5.5 V

Module version of the infrared based thermopile

0.547 V to 3.453 V адда



Temperature sensor in a resin pipe that allows accurate measurement of low temperatures.



Home Appliances Microwave oven

21. Flange pipe sensor

Easy to mount highly heat resistant temperature sensor with integrated flange.



Zero power resistance R_{50} : 4.367 k $\Omega \pm 5\%$ 3450 K ± 3% B value B_{0/100}: Temperature range: - 30°C to 180°C (sensing part)

Thermal time constant: approx. 80 sec. Breakdown voltage: AC 1200 V 1 sec. Insulation resistance: DC 500 V 100 MQ+



22. Eyelet (lug terminal) sensor

Highly heat resistant screw mount type temperature sensor with a metal terminal part.



	· ·/5·	
B value B _{0/100} :		35
Temperature range:		- 2
Thermal time constant:	appro	DX.
	(on	n nc
	te	mp
Breakdown voltage:	AC 1	20

Zero power resistance R_{75} : 7.241 k $\Omega \pm 7\%$ 970 K ± 2% 20°C to 200°C

9 sec. ot plate at room erature) 10 V 1 sec. Insulation resistance: DC 500 V 100 MΩ+



Water heater / warm water toilet seat

23. Stainless steel triple-staged pipe

Temperature sensor optimized for water temperature measurement with thin stainless steel pipe terminal for fast response speed.



24. Stainless steel pipe sensor

Temperature sensor optimized for water temperature measurement that is inserted into a stainless steel pipe.



Zero power resistance R₂₅: $10 \text{ k}\Omega \pm 1\%$ B value B_{25/85}: 3250 K ± 1% - 20 to 80℃ Temperature range :

Thermal time constant: approx. 3.6 sec. Breakdown voltage: Insulation resistance: DC 500 V 100 M Ω +

(in stirred water) AC 1500 V 1 sec.



Home Appliances Power conditioner

25. Eyelet (lug terminal) sensor

Formed resin screw mount type temperature sensor with excellent insulation.



Rechargeable battery

26. Epoxy-dipped sensor (thermistor chip with gold electrodes)

Highly reliable temperature sensor that has been dipped in epoxy resin.

Zero power resistance R_{55}: 14.05 k\Omega \pm 1.5% B value B_{25/85}: 4120 K ± 1% Temperature range: - 30℃ to 105℃

Breakdown voltage: Insulation resistance:

Thermal time constant: approx. 5 sec. (in stirred water) AC 1800 V 1 sec. DC 500 V 100 MΩ+



Fire alarm

27. Epoxy-dipped sensor

Highly responsive temperature sensor that has been dipped in epoxy resin.

Zero power resistance R_{25}: 226.0 k\Omega \pm 3% B value B_{25/85}: 4021 K ± 1% - 40 to 100℃ Temperature range:

Thermal time constant: approx. 18 sec. Breakdown voltage: Insulation resistance:

AC 600 V 1 sec. DC 500 V 100 MΩ+



