

Temperature Sensor: Beverage Heating Appliances



Features	• NTC thermistor potted into a metal case • Designed to be quick responded for high temperature environment • Customizable sensor design of wire lengths, R/T characteristics, and connectors • Agency recognition: UL /cUL file no. E138827 , VDE file no. 40025693 (partial parts)
Applications	Temperature control for various drink related equipments
Typical Applications	Coffee machine , Electric hot-water pot, Milk warmer

1		Features	Flat surface of sensor top with the spring measures temperature		
		Zero Power Resistance	R75: 14KΩ	B100/200	4300K
		Thermal Time Constant	Approx. 5 sec. (From room temp. to 100℃ metal plate)	Power Rating @ 25℃	50mW
		Operation Temp. Range	-20~+200℃ (only head)	Voltage Proof Test	1500Vac, 1 sec

Temperature Sensor: Beverage Heating Appliances



2		Features	Flatly attach on heating surface		
		Zero Power Resistance	R25: 100KΩ	B25/85	4085K
		Thermal Time Constant	Approx. 5 sec. (From room temp. to 100℃metal plate)	Power Rating @ 25℃	210mW
		Operation Temp. Range	-40~+150℃	Voltage Proof Test	1500Vac, 1sec
3		Features	Screw-in design for easy installation		
		Zero Power Resistance	R100: 6.1828 KΩ	B100/200	4300K
		Thermal Time Constant	Approx. 2 sec. (in water)	Power Rating @ 25℃	75mW
		Operation Temp. Range	-10~+200℃ (only head)	Voltage Proof Test	1500Vac, 1sec
4		Features	Sensor can be soaked directly in the water to measure water (liquid) temperature		
		Zero Power Resistance	R100: 3.3KΩ	B0/100	3970K
		Thermal Time Constant	Approx. 2 sec. (in water)	Power Rating @ 25℃	40mW
		Operation Temp. Range	-20~+120℃	Voltage Proof Test	1500Vac, 1sec
5		Features	Flatly attach on heating surface and suitable for use in steamy environment		
		Zero Power Resistance	R100: 3.3KΩ	B0/100	3970K
		Thermal Time Constant	Approx. 3 sec. (in water)	Power Rating @ 25℃	70mW
		Operation Temp. Range	-20~+180℃	Voltage Proof Test	1500Vac, 1 sec
6		Features	Flatly attach on heating surface and suitable for use in steamy environment		
		Zero Power Resistance	R100: 3.3KΩ	B0/100	3970K
		Thermal Time Constant	Approx. 5 sec. (From room temp. to 100℃metal plate)	Power Rating @ 25℃	40mW
		Operation Temp. Range	-20~+180℃	Voltage Proof Test	1500Vac, 1 sec