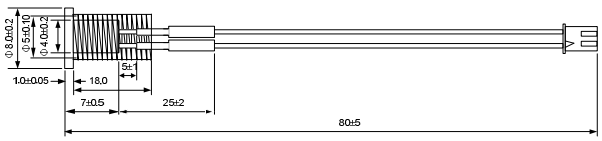
Temperature Sensor：
Beverage Heating Appliances

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**

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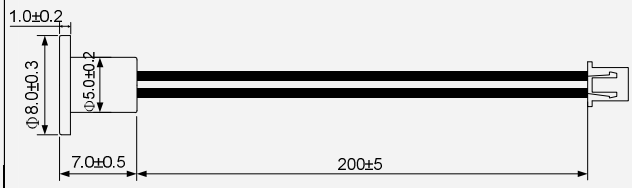
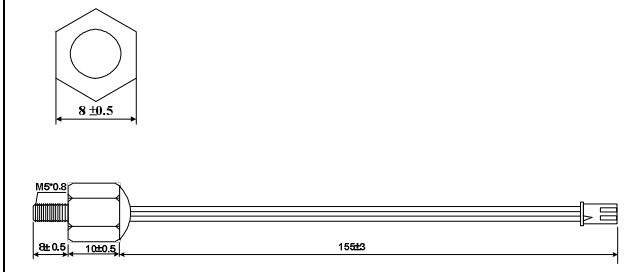
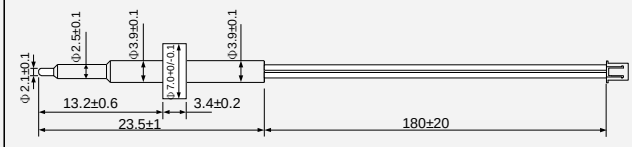
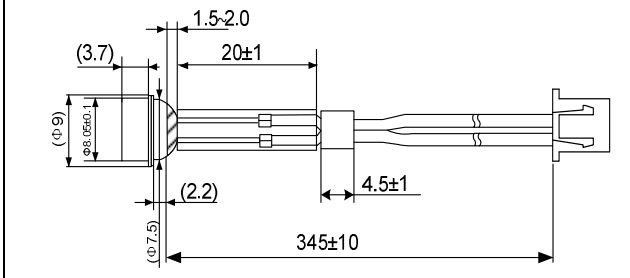
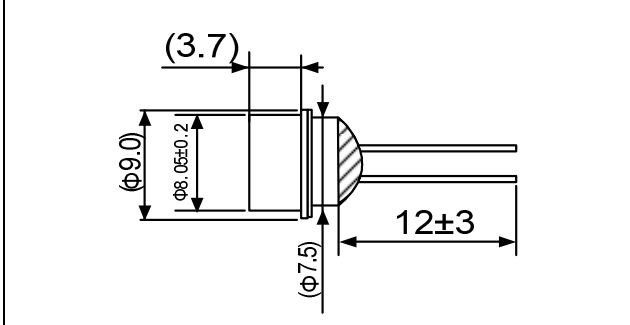
2		Features	Flatly attach on heating surface		
		Zero Power Resistance	R25: 100KΩ	B25/85	4085K
		Thermal Time Constant	Approx. 5 sec. (From room temp. to 100℃metal plate)	Power Rating @ 25℃	210mW
		Operation Temp. Range	-40~+150℃	Voltage Proof Test	1500Vac, 1sec
3		Features	Screw-in design for easy installation		
		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