



Sensor Assemblies Thermistors RTD's

THERMOSEN Technologies Pvt. Ltd. is an ISO9001 certified company manufacturing wide range of Temperature sensors with in-house capability of custom design & development of Thermistor, RTD & assemblies for Home appliances, HVAC, Medical, Power, Industrial and Automotive applications

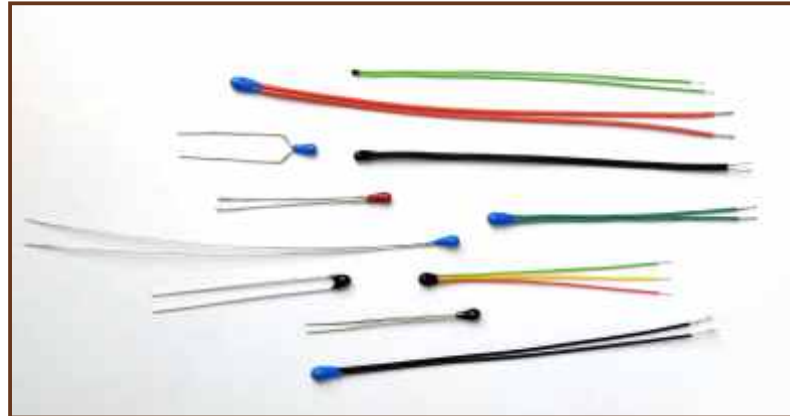
NTC Thermistors

Epoxy Bead thermistors

Excellent endurance against thermal shock, Wide range of resistance and B Value with high accuracy, Epoxy coating for hermeticity from environment

TECHNICAL SPECIFICATIONS:

- Operating temp. range: - 50 to 155
- Thermal time constant: 2-12sec (in still air)
- Thermal dissipation constant: 0.5-2.2 mW/ (in still air)
- Head diameter: Min. 1.2mm (Un insulated), Min. 2mm (Insulated)
- Resistance value at 25 : 1000 Ω to 1350 k Ω
- Beta Value: 3200K to 4500K
- Tolerance: 0.05 lowest/ 0.2% (Un insulated), 0.1 lowest/ 0.5% (Insulated)



Glass Encapsulated thermistors (AXIAL)

Glass encapsulation provides high environmental reliability and wide temperature range of -50 to 250 . Axial type thermistor gives excellent high temperature stability

TECHNICAL SPECIFICATIONS:

- Operating temp. range: - 50 to 250
- Thermal time constant: 10-15sec (in still air)
- Thermal dissipation constant: 1.9-3 mW/ (in still air)
- Glass Width/Length: 1.8mm \pm 0.2 width, 3.8 \pm 0.4mm Length
- Resistance value at 25 : 1000 Ω to 2000 k Ω
- Beta Value: 3200K to 4500K
- Tolerance: 0.2 lowest/ 1%



Glass encapsulated thermistors (LEADED)

Glass encapsulation provides high environmental reliability and wide temperature range of -50 to 300 . Leaded type thermistor gives excellent high temperature stability at high humidity conditions (Tight glass sealing)

TECHNICAL SPECIFICATIONS:

- Operating temp. range: - 50 to 300
- Thermal time constant: 2.5- 15 sec (in still air)
- Thermal dissipation constant: 0.5-1.5 mW/ (in still air)
- Glass Width/Length: 1.1-2.2 mm width, 2.2- 4.1mm Length
- Resistance value at 25 : 2000 Ω to 2000 k Ω
- Beta Value: 3250K to 4500K
- Tolerance: 0.2 lowest/ 1%

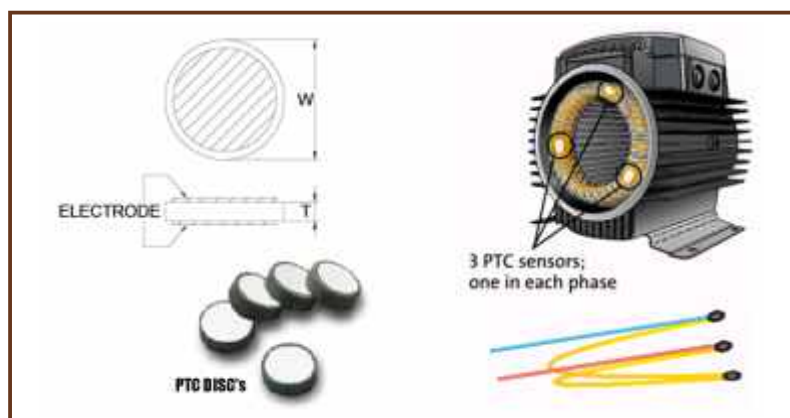


PTC Thermistor & Assemblies

PTC Thermistors for Overcurrent protection, Temperature sensing, Motor coil protection and Heating elements

TECHNICAL SPECIFICATIONS:

- Single, Double and Triple sensor coil winding protection assembly with ref. temp from 70-150
- Heating Elements in Ring or Bar shape upto 200
- Fast response time for temperature sensing
- Please refer www.thermosen.com/ptc-thermistors for more details



Temperature sensors with wire harnessing (NTC/ RTD)

Epoxy encapsulated sensor assembly



Application includes Air conditioner, Solar, Building management, home appliances. These sensor can be customized as per application demand that include wire, insulation, connector and other electrical/mechanical specs

GENERAL SPECIFICATIONS:

- Operating temp. range: - 40 to 105
- Head diameter: 4-8mm
- TYPE: NTC/ RTD (PT100/PT1000)

Metal encapsulated sensor assembly



Application includes HVAC/AC, power electronics, Industrial. These sensor can be custom wire, insulation, connector & other electrical /mechanical specs

GENERAL SPECIFICATIONS:

- Operating temp. range: - 40 to 105
- Housing: 4-6mm (Dia.), 20-30mm (L)
- Material: Copper, Nickel plated Brass
- TYPE: NTC/ RTD (PT100/PT1000)

LUG (Eyelet) sensor assembly



Application includes home appliance, power electronics, EV, Industrial. These sensor can be custom wire, insulation, connector & other electrical/mechanical specs

GENERAL SPECIFICATIONS:

- Operating temp. range: - 50 to 250
- Hole diameter: 3- 20mm
- TYPE: NTC/ RTD (PT100/PT1000)
- Nickel/Tin plated brass/copper
- Include UL Range (File: E478750)

Metal encapsulated HT sensor assembly



Application includes Industrial, Office equipments, EV, Home appliances. These sensors can be custom wire, insulation, connector & other electrical/mechanical specs

GENERAL SPECIFICATIONS:

- Operating temp. range: - 70 to 250
- Housing: 3-8mm (Dia.), 20mm-1m (L) including flange/ custom
- Material: Stainless steel
- TYPE: NTC/ RTD (PT100/PT1000)

Threaded Metal Sensor assembly



Application includes HVAC, EV, Vending Machine, and Industrial. These sensors can be custom wire, insulation, connector & other electrical/mechanical specs

GENERAL SPECIFICATIONS:

- Operating temp. range: - 70 to 250
- Material: SS, Plated Brass, AL
- TYPE: NTC/ RTD (PT100/PT1000)

Molded Temp. Sensor assembly



Application includes Refrigeration/HVAC, Home appliance. These sensors can be custom wire, insulation, connector & other electrical/mechanical specs

GENERAL SPECIFICATIONS:

- Operating temp. range: - 30 to 85
- Housing: 6-9mm (Dia.), 20-50mm (L)
- Material: PBT, PP, ABS, Silicone
- TYPE: NTC

Other Sensors

			
Metal encapsulated sensor assembly	Humidity/temp. Transmitter	Washing Machine Sensor	Railway Ac Sensor
			
Overcurrent Protection Sensor	Temperature Transmitter Assembly	Medical Temperature Sensor	Turbine Coil Sensor
			
Bimetallic Switch & Fuses	Digital Sensor Assembly	Automotive Sensor	Sensor Harnesses



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