THERMOMETRICS
A COMMITMENT TO EXCELLENCE

NTC Type MS

Thermometrics Epoxy-Coated Thermistor



Description

Epoxy-coated point-matched disc thermistors with 30 AWG 0.01 in (0.254 mm) nickel PTFE insulated lead-wires.

Features

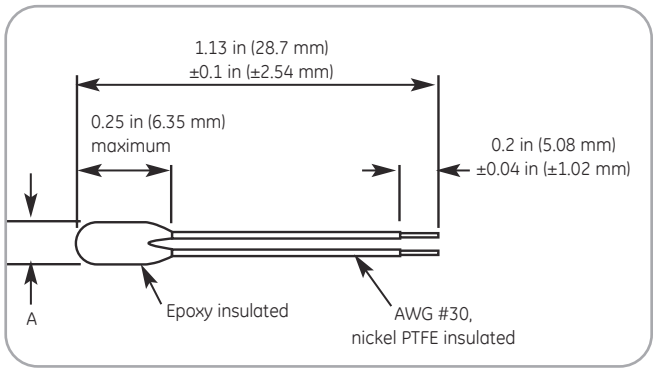
- Low cost, solid state temperature sensor
- High sensitivity to changes in temperature
- Suitable for temperature measurement, control and compensation
- Standard accuracy ±1°C
- Excellent mechanical strength
- Wide operating temperature range: -58°F to 300°F (-50°C to 150°C)
- Suitable for PCB and probe mountings
- Available in a wide range of thermistor material systems
- Customizable with overall lengths from 0.71 in to 3.07 in (18 mm to 78 mm)

Amphenol
Advanced Sensors

Type MS Specifications

Epoxy-coated thermistor

Type Number	Ro@ 77 °F (25 °C) (Ω)	Material System	A in	mm
RL0703-624-73-MS	1K	D7.3	0.120	3.05
RL0503-1248-73-MS	2K	D7.3	0.095	2.41
RL0703-1445-95-MS	2.5K	D9.5	0.120	3.05
RL0503-2890-95-MS	5K	D9.5	0.095	2.41
RL0703-2910-97-MS	5K	D9.7A	0.120	3.05
RL0703-3720-84-MS	6K	D8.4	0.120	3.05
RL0503-5820-97-MS	10K	D9.7A	0.095	2.41
RL0703-5744-103-MS	10K	D10.3	0.120	3.05
RL0503-7440-84-MS	12K	D8.4	0.095	2.41
RL0703-8780-96-MS	15K	F9.61	0.120	3.05
RL0503-11.49K-103-MS	20K	D10.3	0.095	2.41
RL0703-13.77K-120-MS	25K	D12.0	0.120	3.05
RL0503-17.56K-96-MS	30K	F9.61	0.095	2.41
RL0503-27.53K-120-MS	50K	D12.0	0.095	2.41
RL0703-27.68K-122-MS	50K	D12.2	0.120	3.05
RL0503-55.36K-122-MS	100K	D12.2	0.095	2.41



NTC Type MS Dimensions

Options

- Other resistances in the range 2 kΩ to 100 kΩ
- Other tolerances, tolerances at other temperatures
- Alternative lead lengths, lead materials, insulations and insulation colors
- Can be supplied with custom terminals crimped to leads

Data

- Temperature accuracy: ±1°C @ 77°F (25°C)
- Dissipation constant: 1.4 mW/°C
- Time constant: 15 seconds in still air
- Operating range: -58°F to 302°F (-50°C to 150°C)

Amphenol
Advanced Sensors

www.amphenol-sensors.com

© 2022 Amphenol Corporation. All Rights Reserved. Specifications are subject to change without notice.
Other company names and product names used in this document are the registered trademarks or trademarks of their respective owners.