



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



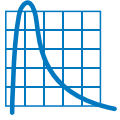
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T H E R M O M E T R I C S  
A C O M M I T M E N T T O E X C E L L E N C E

# NTC Type MS

## Thermometrics Epoxy-Coated Thermistor



### Description

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

### Features

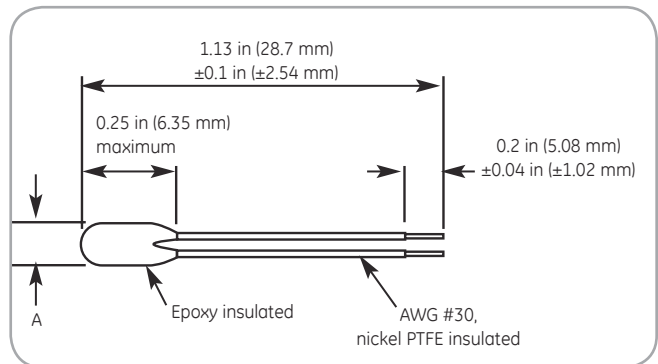
- Low cost, solid state temperature sensor
- High sensitivity to changes in temperature
- Suitable for temperature measurement, control and compensation
- Standard resistance tolerances down to  $\pm 2\%$
- Excellent mechanical strength
- Wide operating temperature range:  $-58^{\circ}\text{F}$  to  $300^{\circ}\text{F}$  ( $-50^{\circ}\text{C}$  to  $150^{\circ}\text{C}$ )
- Suitable for PCB and probe mountings
- Available in a wide range of material systems
- Overall lengths from 0.71 in to 3.07 in (18 mm to 78 mm)

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# 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
- For ±5% @ 77°F (25°C), replace “MS” with “MS5”
- For ±3% @ 77°F (25°C), replace “MS” with “MS3”
- For ±2% @ 77°F (25°C), replace “MS” with “MS2”

## Data

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

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