



# NTC THERMISTORS: TYPE MS

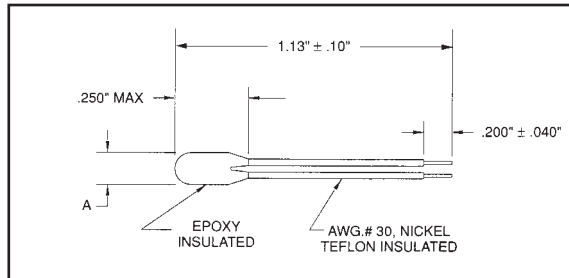
## EPOXY COATED THERMISTOR

### DESCRIPTION:

Epoxy coated point-matched disc thermistors with .010" nickel PTFE insulated lead-wires.

### FEATURES:

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



TYPE NUMBER	Ro@25C (Ohms)	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

### OPTIONS:

- Other resistances in the range 2k $\Omega$  to 100k $\Omega$
- Other tolerances, tolerances at other temperatures
- Alternative lead lengths, lead materials, insulations
- For  $\pm 5\%$  @  $25^{\circ}\text{C}$ , replace "MS" with "MS5"
- For  $\pm 3\%$  @  $25^{\circ}\text{C}$ , replace "MS" with "MS3"
- For  $\pm 2\%$  @  $25^{\circ}\text{C}$ , replace "MS" with "MS2"

### DATA:

**Temperature Accuracy**.....  $\pm 1^{\circ}\text{C}$  @  $25^{\circ}\text{C}$   
**Dissipation Constant**..... 1.4 mW/ $^{\circ}\text{C}$   
**Time Constant**..... 15 sec.  
**Operating Range** .....  $-50^{\circ}\text{C}$  to  $150^{\circ}\text{C}$