

# 44000 Series Thermistor Components

100 to 1 Meg Ohm Resistance @ 25°C  
 Thermally Conductive Epoxy Coating  
 Interchangeability  
 Pressed Key Characteristic  
 High sensitivity  
 RoHS Compliant



## 44000 SERIES THERMISTORS

Epoxy Encapsulated Precision  
 Interchangeable NTC Thermistors utilizing  
 high stability pressed-disk ceramic sensor  
 for general applications.

### FEATURES

- 100 Ohm Resistance @ 25°C
- Interchangeable  $\pm 0.1^\circ\text{C}$  or  $\pm 0.2^\circ\text{C}$ ,  $0^\circ\text{C}$  to  $70^\circ\text{C}$
- Good Long Term Stability
- High Sensitivity
- Thermally Conductive Epoxy Coating
- RoHS Compliance
- 32 AWG, 3" (7.6 cm) Silver Plated 0.095" (2.4 mm)

### APPLICATIONS

- Tight Tolerance Instrumentation
- General Applications Requiring Stability
- Applications Requiring Sensing Small Changes in Temperature
- Non-condensing Moisture Environments
- Allows use in Applications World-wide

### stability

MEAS thermistors are chemically stable and are not significantly affected by aging or exposure to strong nuclear radiation. The table below shows typical stability for a representative thermistor, the MEAS 44005.

Typical Thermometric Drift

Operating Temperature	10 months	100 months
0°C	< 0.01°C	< 0.01°C
25°C	< 0.01°C	< 0.02°C
100°C	0.20°C	0.32°C
150°C	1.5°C	Not recommended

# 44000 Series Thermistor Components

## product definition

	Part Number	Zero Power Resistance ohm at 25°C	Beta 0- 50°C (K)	Ratio ohm 25/125°C	Maximum working temperature	Best storage and working temperature
±0.2°C Interchange- ability Tolerance 0 – 70°C	<a href="#">44001A</a>	100	2854	11.49	100°C	-80 + 50°C
	<a href="#">44002A</a>	300	3118	15.15	100°C	-80 + 50°C
	<a href="#">44003A</a>	1000	3271	17.33	100°C	-80 + 50°C
	<a href="#">44004</a>	2252	3891	29.26	150°C	-80 + 120°C
	<a href="#">44005</a>	3000	3891	29.26	150°C	-80 + 120°C
	<a href="#">44007</a>	5000	3891	29.26	150°C	-80 + 120°C
	<a href="#">44006</a>	10K	3574	23.51	150°C	-80 + 120°C
	<a href="#">44008</a>	30K	3810	29.15	150°C	-80 + 120°C
	<a href="#">44011</a>	100K	3988	34.82	150°C	-80 + 120°C
	<a href="#">44014</a>	300K	4276	46.02	150°C	-80 + 120°C
±0.1°C Interchange- ability Tolerance 0 – 70°C	<a href="#">44015</a>	1 meg	4582	61.96	150°C	-80 + 50°C
	<a href="#">44035</a>	1000	3271	17.33	100°C	-80 + 75°C
	<a href="#">44033</a>	2252	3891	29.26	150°C	-80 + 75°C
	<a href="#">44030</a>	3000	3891	29.26	150°C	-80 + 75°C
	<a href="#">44034</a>	5000	3891	29.26	150°C	-80 + 75°C
	<a href="#">44037</a>	6K	3891	29.26	150°C	-80 + 75°C
	<a href="#">44036</a>	10K	3891	29.26	150°C	-80 + 75°C
	<a href="#">44031</a>	10K	3574	23.51	150°C	-80 + 75°C
	<a href="#">44032</a>	30K	3810	29.15	150°C	-80 + 75°C

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## ordering info

### NORTH AMERICA

Measurement Specialties, Inc.  
910 Turnpike Road  
Shrewsbury, MA 01545  
Tel: 1-508-842-0516  
Fax: 1-508-842-0342

Sales email:  
[temperature.sales.amer@meas-spec.com](mailto:temperature.sales.amer@meas-spec.com)

### EUROPE

Measurement Specialties, Inc.  
Ballybrit Business Park  
Galway Ireland  
Tel: +353-91-753238  
Fax: +353-91-770789

Sales email:  
[temperature.sales.emea@meas-spec.com](mailto:temperature.sales.emea@meas-spec.com)

### ASIA

Measurement Specialties (China) Ltd.  
No. 26 Langshan Road  
Shenzhen High-Tech Park (North)  
Nanshan District, Shenzhen 51807  
China  
Tel: +86 (0) 755 33305088  
Fax: +86 (0) 755 33305099

Sales email:  
[temperature.sales.asia@meas-spec.com](mailto:temperature.sales.asia@meas-spec.com)