

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 Interchangeability 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 Interchangeability 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

## 联系方式



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