

44100 Series Thermistor Components

Teflon® Sheath for Hostile Environments
 100 Ohm to 1 MEG Ohm Resistance @ 25°C
 Interchangeable ±0.2°C, 0°C to 70°C
 Good Long Term Stability
 High Sensitivity
 Pressed Disk Ceramic Characteristics
 RoHS Compliant



44100 SERIES THERMISTORS

Teflon® sheathed epoxy encapsulated precision interchangeable NTC thermistor utilizing high stability pressed-disk ceramic sensor for use in harsh chemical environments. Sensor is protected by a 2" (51mm) Teflon® sheath for protection from harsh chemicals. One inner lead is sleeved with Teflon® tubing for insulation. A nickel stiffening wire allows shaping of the sheath.

FEATURES

- Teflon® Sheath
- 100 Ohm to 1 MEG Ohm Resistance @ 25°C
- Interchangeability
- Good Long Term Stability
- High Sensitivity
- Thermally Conductive Epoxy Coating
- RoHS Compliance

APPLICATIONS

- Harsh Chemical Environments
- Moderate Temperature Applications
- Tight Tolerance Applications
- General Applications Requiring Stability
- Applications Requiring Sensing Small Changes in Temperature
- Non-condensing Moisture Environments

interchangeability

The term interchangeability refers to how accurately thermistors track a nominal resistance curve. In the case of a ±0.2°C part, through all portions of the interchangeable range, the part is within ±0.2°C of the nominal value for that part. This term is sometimes confused with accuracy. Keep in mind the ±0.2°C figure only refers to nominal curve; absolute accuracy for thermistor at a measured temperature is significantly better. Contact us directly if you require more information.

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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	44101	100	2854	11.49	100°C	-80 + 50°C
	44102	300	3118	15.15	100°C	-80 + 50°C
	44103	1000	3271	17.33	100°C	-80 + 50°C
	44104	2252	3891	29.26	150°C	-80 + 120°C
	44105	3000	3891	29.26	150°C	-80 + 120°C
	44107	5000	3891	29.26	150°C	-80 + 120°C
	44106	10K	3574	23.51	150°C	-80 + 120°C
	44108	30K	3810	29.15	150°C	-80 + 120°C
	44111	100K	3988	34.82	150°C	-80 + 120°C
	44114	300K	4276	46.02	150°C	-80 + 120°C
	44115	1 meg	4582	61.96	150°C	-80 + 120°C

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