55000 Series Thermistor Components

Glass Hermetic Seal
2252 Ohm to 30K Ohm Resistance @ 25°C
0.095″ (2.4 mm) Maximum Diameter
Interchangeability to ± 0.1°C
Excellent High Temperature Performance
Excellent Long Term Stability
RoHS Compliance

55000 SERIES THERMISTORS

Moisture-proof Hermetic Glass Encapsulated Precision Interchangeable NTC Thermistor utilizing high stability pressed-disk ceramic sensor for general applications

FEATURES

- Glass Hermetic Seal
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APPLICATION

- High Moisture Applications
- Low to Mid Range Temperature Applications
- Drop in Replacement for 44000 Series Epoxy
- Tight Tolerance Instrumentation
- Use up to 200°C
- Applications Requiring Improved Stability
- 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 MEAS 55016.

Typical Thermometric Drift

Operating Temperature	10 months
0°C	< 0.01°C
25°C	< 0.01°C
100°C	0.12°C
150°C	0.15°C
200°C	0.20°C

55000 Series Thermistor Components

product definition

	Part Number	Zero Power Resistance Ohm at 25°C	Beta 0- 50°C (K)	Ratio Ohm 25/125°C	Short Term Temperature	Best Working Temperature
±0.2°C Interchange-ability Tolerance 0 – 70°C	55004	2252	3891	29.26	250°C	-80-+200°C
	55005	3000	3891	29.26	250°C	-80-+200°C
	55007	5000	3891	29.26	250°C	-80-+200°C
	55017	6000	3891	29.26	250°C	-80-+200°C
	55016	10K	3891	29.26	250°C	-80-+200°C
±0.1°C Interchange-ability Tolerance 0 – 70°C	55006	10K	3574	23.51	200°C	-80-+150°C
	55008	30K	3810	29.15	200°C	-80-+150°C
	55033	2252	3891	29.26	250°C	-80-+125°C
	55030	3000	3891	29.26	250°C	-80-+125°C
	55034	5000	3891	29.26	250°C	-80-+125°C
	55037	6000	3891	29.26	250°C	-80-+125°C
	55036	10K	3891	29.26	250°C	-80-+125°C
	55031	10K	3574	23.51	200°C	-80-+100°C
	55032	30K	3810	29.15	200°C	-80-+100°C

ordering info