

45000 Series Thermistor Components

Glass Hermetic Seal

2252 Ohm to 30K Ohm Resistance @ 25°C

Interchangeability to $\pm 0.2^\circ\text{C}$

Excellent High Temperature Performance

Superior Long Term Stability

High Sensitivity

RoHS Compliant



45000 SERIES THERMISTORS

Hermetically Sealed Glass Encapsulated Precision Interchangeable NTC Thermistor utilizing high stability pressed-disk ceramic sensor for high temperature and high stability applications.

FEATURES

- Glass Hermetic Seal
- 2252 Ohm to 30K Ohm Resistance @ 25°C
- Interchangeability
- Excellent High Temperature Performance
- Superior Long Term Stability
- High Sensitivity

APPLICATIONS

- High Moisture Applications
- Low to Mid Range Temperature Applications
- Tight Tolerance Instrumentation
- Use up to 250°C
- Applications Requiring Excellent Stability
- Applications Requiring Sensing Small Changes in Temperature
- Non-condensing Moisture Environments
- Allows Use in Applications World-wide

thermistor failure mode

Moisture is the common cause of failure. Water reacts with internal electrode material resulting in a downward shift in resistance. MEAS 45000, 46000, and 55000 Series glass coated thermistors virtually eliminate this type of failure. Customer-induced failures, resulting from mishandling during leads splicing or potting can be eliminated by allowing MEAS to perform your assembly work. Contact us directly for 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
±0.2°C Interchange- ability Tolerance 0 – 70°C	45004	2252	3891	29.26	200°C
	45005	3000	3891	29.26	200°C
	45007	5000	3891	29.26	250°C
	45017	6K	3891	29.26	250°C
	45016	10K	3891	29.26	250°C
	45006	10K	3574	23.51	250°C
	45008	30K	3810	29.15	250°C

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