



45000 SERIES THERMISTOR COMPONENTS

SPECIFICATIONS

- 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

THERMISTOR FAILURE MODE

FEATURES

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

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

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.

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.

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 Interchangeability Tolerance 0°C – 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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