



46000 SERIES

Thermistor Components

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

Stability

Typical Thermometric Drift

Operating Temperature	10 months	100 months
25°C	< 0.01°C	< 0.01°C
70°C	< 0.01°C	< 0.01°C
100°C	0.02°C	0.03°C
150°C	0.05°C	0.08°C
200°C	0.22°C	0.60°C

Features

- Glass Hermetic Seal
- 2252 Ohm to 30K Ohm Resistance @ 25°C
- 0.095" (2.4 mm) Maximum Diameter
- Interchangeability up to $\pm 0.1^\circ\text{C}$ from 0°C to 70°C
- Excellent High Temperature Performance
- Drift Certified Unmatched Long Term Stability
- High Sensitivity
- RoHS Compliance

Applications

- High Moisture Applications
- Low to Mid Range Temperature Applications
- Tight Tolerance Instrumentation
- Exposure up to 200°C
- Applications Requiring Outstanding Stability and/or Requiring Sensing Small Changes in Temperature
- Allows use in Applications World-wide

Performance Specifications

	Model Number	Ordering 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	46004	069154	2252	3891	29.26	200°C
	46005	065437	3000	3891	29.26	200°C
	46007	065439	5000	3891	29.26	200°C
	46017	091688	6000	3891	29.26	200°C
	46016	091687	10K	3891	29.26	200°C
	46006	065438	10K	3574	23.51	200°C
	46008	091162	30K	3810	29.15	200°C
±0.1°C Interchange - ability Tolerance 0 – 70°C	46033	069158	2252	3891	29.26	200°C
	46030	065440	3000	3891	29.26	200°C
	46034	065442	5000	3891	29.26	200°C
	46037	091690	6000	3891	29.26	200°C
	46036	091689	10K	3891	29.26	200°C
	46031	065441	10K	3574	23.51	200°C
	46032	091163	30K	3810	29.15	200°C

NORTH AMERICA

Measurement Specialties, Inc.,
a TE Connectivity Company
Tel: 800-522-6752
customercare.ando@te.com

EUROPE

Measurement Specialties (Europe), Ltd.,
a TE Connectivity Company
Tel: 800-440-5100
customercare.tlse@te.com

ASIA

Measurement Specialties (China), Ltd.,
a TE Connectivity Company
Tel: 0400-820-6015
customercare.chdu@te.com

te.com/sensorsolutions

Measurement Specialties, Inc., a TE Connectivity company.

Measurement Specialties (MEAS), American Sensor Technologies (AST), TE Connectivity, TE Connectivity (logo) and EVERY CONNECTION COUNTS are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2016 TE Connectivity Ltd. family of companies All Rights Reserved.