

# 46000 Series Thermistor Components

Glass Hermetic Seal  
 2252 Ohm to 30K Ohm Resistance  
 @ 25°C  
 0.125" (3.2 mm) Maximum  
 Diameter  
 Interchangeability to  $\pm 0.05^\circ\text{C}$   
 Excellent High Temperature  
 Performance  
 Excellent Long Term Stability  
 RoHS Compliance



## 46000 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 to  $\pm 0.05^\circ\text{C}$
- 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
- Use up to 250°C
- Applications Requiring Outstanding Stability and/or Requiring Sensing Small Changes in Temperature
- Allows use in Applications World-wide

## Stability

**Typical Thermometric Drift**, after continuous exposure at listed operating temperatures.

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

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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 Interchangeability Tolerance 0 – 70°C	<a href="#">46004</a>	2252	3891	29.26	200°C
	<a href="#">46005</a>	3000	3891	29.26	200°C
	<a href="#">46007</a>	5000	3891	29.26	200°C
	<a href="#">46017</a>	6000	3891	29.26	200°C
	<a href="#">46016</a>	10K	3891	29.26	200°C
	<a href="#">46006</a>	10K	3574	23.51	200°C
±0.1°C Interchangeability Tolerance 0 – 70°C	<a href="#">46008</a>	30K	3810	29.15	200°C
	<a href="#">46033</a>	2252	3891	29.26	200°C
	<a href="#">46030</a>	3000	3891	29.26	200°C
	<a href="#">46034</a>	5000	3891	29.26	200°C
	<a href="#">46037</a>	6000	3891	29.26	200°C
	<a href="#">46036</a>	10K	3891	29.26	200°C
	<a href="#">46031</a>	10K	3574	23.51	200°C
	<a href="#">46032</a>	30K	3810	29.15	200°C

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