

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 |

46000 Series Thermistor Components

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 | 46004 | 2252 | 3891 | 29.26 | 200°C |
| | 46005 | 3000 | 3891 | 29.26 | 200°C |
| | 46007 | 5000 | 3891 | 29.26 | 200°C |
| | 46017 | 6000 | 3891 | 29.26 | 200°C |
| | 46016 | 10K | 3891 | 29.26 | 200°C |
| | 46006 | 10K | 3574 | 23.51 | 200°C |
| ±0.1°C Interchange- ability Tolerance 0 – 70°C | 46008 | 30K | 3810 | 29.15 | 200°C |
| | 46033 | 2252 | 3891 | 29.26 | 200°C |
| | 46030 | 3000 | 3891 | 29.26 | 200°C |
| | 46034 | 5000 | 3891 | 29.26 | 200°C |
| | 46037 | 6000 | 3891 | 29.26 | 200°C |
| | 46036 | 10K | 3891 | 29.26 | 200°C |
| | 46031 | 10K | 3574 | 23.51 | 200°C |
| | 46032 | 30K | 3810 | 29.15 | 200°C |

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