



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 Interchangeability 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 Interchangeability 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 |

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