



## 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

| ±0.2°C<br>Interchangeability<br>Tolerance<br>0°C – 70°C | Part Number | Zero Power<br>Resistance<br>Ohm at 25°C | Beta<br>0- 50°C<br>(K) | Ratio Ohm<br>25/125°C | Maximum<br>Working<br>Temperature |
|---|-------------|---|------------------------|-----------------------|-----------------------------------|
|   | 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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