

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



## 55000 SERIES THERMISTORS

Moisture-proof Hermetic Glass  
 Encapsulated Precision Interchangeable  
 NTC Thermistor utilizing high stability  
 pressed-disk ceramic sensor for general  
 applications

### FEATURES

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

### APPLICATION

- High Moisture Applications
- Low to Mid Range Temperature Applications
- Drop in Replacement for 44000 Series Epoxy
- Tight Tolerance Instrumentation
- Use up to 200°C
- Applications Requiring Improved Stability
- Allows use in Applications World-wide

### stability

MEAS thermistors are chemically stable and are not significantly affected by aging or exposure to strong nuclear radiation. The table below shows typical stability for a MEAS 55016.

Typical Thermometric Drift

Operating Temperature	10 months
0°C	< 0.01°C
25°C	< 0.01°C
100°C	0.12°C
150°C	0.15°C
200°C	0.20°C

# 55000 Series Thermistor Components

## product definition

	Part Number	Zero Power Resistance Ohm at 25°C	Beta 0- 50°C (K)	Ratio Ohm 25/125°C	Short Term Temperature	Best Working Temperature
±0.2°C Interchange- ability Tolerance 0 – 70°C	<a href="#">55004</a>	2252	3891	29.26	250°C	-80-+200°C
	<a href="#">55005</a>	3000	3891	29.26	250°C	-80-+200°C
	<a href="#">55007</a>	5000	3891	29.26	250°C	-80-+200°C
	<a href="#">55017</a>	6000	3891	29.26	250°C	-80-+200°C
	<a href="#">55016</a>	10K	3891	29.26	250°C	-80-+200°C
±0.1°C Interchange- ability Tolerance 0 – 70°C	<a href="#">55006</a>	10K	3574	23.51	200°C	-80-+150°C
	<a href="#">55008</a>	30K	3810	29.15	200°C	-80-+150°C
	<a href="#">55033</a>	2252	3891	29.26	250°C	-80-+125°C
	<a href="#">55030</a>	3000	3891	29.26	250°C	-80-+125°C
	<a href="#">55034</a>	5000	3891	29.26	250°C	-80-+125°C
	<a href="#">55037</a>	6000	3891	29.26	250°C	-80-+125°C
	<a href="#">55036</a>	10K	3891	29.26	250°C	-80-+125°C
	<a href="#">55031</a>	10K	3574	23.51	200°C	-80-+100°C
	<a href="#">55032</a>	30K	3810	29.15	200°C	-80-+100°C

## 联系方式



深圳市亿为测控电子有限公司  
Shenzhen Bill-Well Measurement & Control Electronics Co., Ltd.

广东省深圳市南山区创业路怡海广场东座2407 邮编：518000

电话：+86 755 2641 9890 传真：+86 755 2641 9680

电子邮箱：sales@bill-well.com