

# Radial Glass NTC Thermistors – Series A

2 to 500K Ohms Resistance @25°C  
Hermetically Sealed Package  
High Temperature Stability  
Available in  $\pm 1\%$ ,  $\pm 2\%$ ,  $\pm 3\%$  or  $\pm 5\%$   
Tolerance @25°C  
Rated up to +250 °C  
Low Cost



## RADIAL GLASS THERMISTORS

The NTC Chip is hermetically sealed in a glass encapsulation package

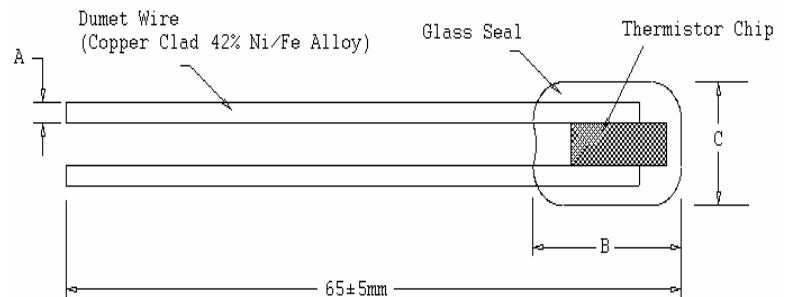
## FEATURES

- 2 to 500K Ohms Resistance @25°C
- Proven Stability
- Glass Encapsulation
- Low cost
- Temperature range -40°C to +250°C
- RoHS Compliant

## APPLICATIONS

- Air conditioning systems
- Refrigeration control
- Assembly into probes for a wide variety of applications
- In environments where thermal shock and humidity are present
- Hot water boiler systems
- Sensor for engine temperature control

## Dimensions



Dimensions			
	A	B	C
Series A Thermistor	0.3mm	4mm Max	2.5mm Max

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## Stability

Reliability Tests	Standard	Test Condition	Delta R
Storage in Dry Heat	IEC 60068-2-2	Storage temperature: +250°C Duration: 1000 hours	< 3%
Storage in Damp Heat	IEC 60068-2-3	Temperature of air is 50°C & RH 93% Duration: 56 days.	< 2%
Rapid Temperature Cycling	IEC 60068-2-14	Lower Test Temperature -55°C Upper Test Temperature +200°C Number of Cycles: 1000	< 2%

## Product Definition

Part Number	Resistance [Ω] @ +25°C	Tolerance @ +25°C	Beta Value 25/85	Beta Tolerance	Dissipation Constant in still air @ +25°C	Time response (Still Air)	Time response (Stirred Oil)
<a href="#">G2K3348A1</a>	2,000	± 1%	3348	± 2%	1.3 mW/°C	12 Seconds	1.1 Seconds
<a href="#">G2K3499A1</a>	2,000	± 1%	3499	± 2%	1.3 mW/°C	12 Seconds	1.1 Seconds
<a href="#">G5K3976A1</a>	5,000	± 1%	3976	± 2%	1.3 mW/°C	12 Seconds	1.1 Seconds
<a href="#">G10K3435A1</a>	10,000	± 1%	3435	± 2%	1.3 mW/°C	12 Seconds	1.1 Seconds
<a href="#">G10K3694A1</a>	10,000	± 1%	3694	± 2%	1.3 mW/°C	12 Seconds	1.1 Seconds
<a href="#">G10K3976A1</a>	10,000	± 1%	3976	± 2%	1.3 mW/°C	12 Seconds	1.1 Seconds
<a href="#">G30K3942A1</a>	30,000	± 1%	3942	± 2%	1.3 mW/°C	12 Seconds	1.1 Seconds
<a href="#">G50K3976A1</a>	50,000	± 1%	3976	± 2%	1.3 mW/°C	12 Seconds	1.1 Seconds
<a href="#">G100K4000A1</a>	100,000	± 1%	4000	± 2%	1.3 mW/°C	12 Seconds	1.1 Seconds
<a href="#">G200K4261A1</a>	200,000	± 1%	4261	± 3%	1.3 mW/°C	12 Seconds	1.1 Seconds
<a href="#">G500K4261A1</a>	500,000	± 1%	4261	± 3%	1.3 mW/°C	12 Seconds	1.1 Seconds

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## Ordering Information

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