Radial Glass NTC Thermistors – Series B

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

RADIAL GLASS THERMISTORS

The NTC Chip is hermetically sealed in a glass encapsulation package

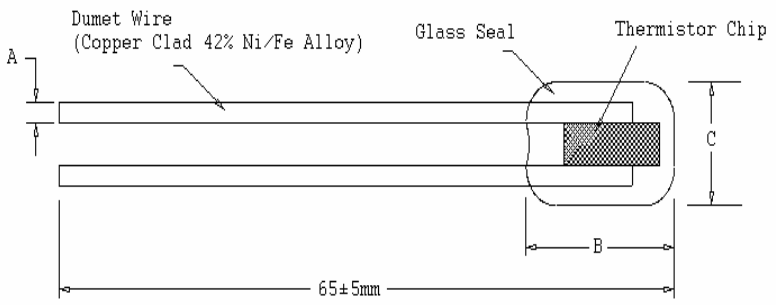
FEATURES

- 2 to 500K Ohms Resistance @25ºC
- Proven Stability
- Glass Encapsulation
- Low cost
- Temperature range -40ºC to +250ºC
- 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 B Thermistor	0.2mm	3mm Max	1.5mm 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] @ +25ºC	Tolerance @ +25ºC	Beta Value 25/85	Beta Tolerance	Dissipation Constant in still air @ +25ºC	Time response (Still Air)	Time response (Stirred Oil)
G2K3348B1	2,000	± 1%	3348	± 2%	0.8 mW/ºC	5 Seconds	0.4 Seconds
G2K3499B1	2,000	± 1%	3499	± 2%	0.8 mW/ºC	5 Seconds	0.4 Seconds
G5K3976B1	5,000	± 1%	3976	± 2%	0.8 mW/ºC	5 Seconds	0.4 Seconds
G10K3435B1	10,000	± 1%	3435	± 2%	0.8 mW/ºC	5 Seconds	0.4 Seconds
G10K3694B1	10,000	± 1%	3694	± 2%	0.8 mW/ºC	5 Seconds	0.4 Seconds
G10K3976B1	10,000	± 1%	3976	± 2%	0.8 mW/ºC	5 Seconds	0.4 Seconds
G30K3942B1	30,000	± 1%	3942	± 2%	0.8 mW/ºC	5 Seconds	0.4 Seconds
G50K3976B1	50,000	± 1%	3976	± 2%	0.8 mW/ºC	5 Seconds	0.4 Seconds
G100K4000B1	100,000	± 1%	4000	± 2%	0.8 mW/ºC	5 Seconds	0.4 Seconds
G200K4261B1	200,000	± 1%	4261	± 3%	0.8 mW/ºC	5 Seconds	0.4 Seconds
G500K4261B1	500,000	± 1%	4261	± 3%	0.8 mW/ºC	5 Seconds	0.4 Seconds

Ordering Information