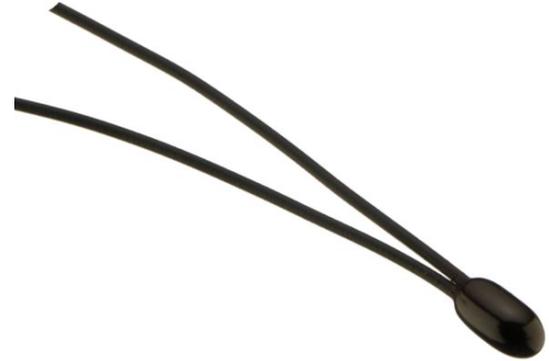


Moisture Resistant NTC Thermistors

5K to 1M Ohms Resistance @25°C
 Climatic Category (IEC 60068-1)
 40/125/56
 Proven Stability and Reliability
 Kynar Insulated Lead Wires



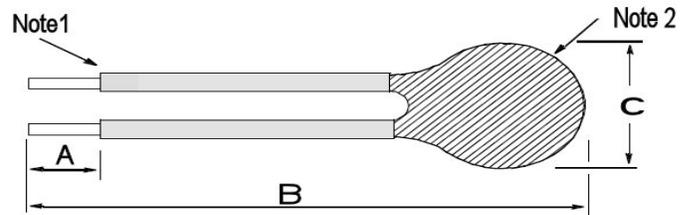
MOISTURE RESISTANT THERMISTOR

The BetaCURVE Chip is Soldered to 30 AWG Solid Silver Plated Nickel Leads with Black Kynar Insulation. Device is Encapsulated in Epoxy Resin.

FEATURES

- 5 to 1M Ohms Resistance @25°C
- Proven Stability and Reliability
- Rapid Time Response
- 30AWG Solid Silver Plated Nickel Leads with Black Kynar Insulation
- Temperature range -40°C to +125°C
- RoHS Compliant

Dimensions



	Dimensions		
	A	B	C
	5 ± 1mm	50 ± 3mm	2.5mm Max
Note 1	30AWG Solid Silver Plated Nickel Leads with Black Kynar Insulation		
Note 2	Epoxy Resin		

APPLICATIONS

- Temperature sensing in environments where thermal shock and humidity are present
- Fire Detection Systems
- Refrigeration control
- Air conditioning systems
- Assembly into probes for a wide variety of applications

Moisture Resistant NTC Thermistors

Stability

Reliability Tests	Standard	Test Condition	Delta R
Storage in Dry Heat	IEC 60068-2-2	Storage temperature: +125°C Duration: 1000 hours	< 3%
Storage at Low Temperature	IEC 60068-2-1	Temperature of air is -40°C Duration: 1000 hours	< 3%
Storage in Damp Heat	IEC 60068-2-3	Temperature of air is 40°C & RH 93% Duration: 56 days.	< 2%
Rapid Temperature Cycling	IEC 60068-2-14	Lower Test Temperature -40°C Upper Test Temperature +125°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 (Still Air @ +25 °C)	T.C. Constant (Stirred Liquid)	Operating Temperature
5K3MR1I	5,000	± 1%	3976	± 2%	1.5 mW/ °C	2 second	-40° to +125°C
10K3MR1I	10,000	± 1%	3976	± 2%	1.5 mW/ °C	2 second	-40° to +125°C
30K5MR1I	30,000	± 1%	3942	± 2%	1.5 mW/ °C	2 second	-40° to +125°C
100K6MR1I	100,000	± 1%	4261	± 2%	1.5 mW/ °C	2 second	-40° to +125°C
1M9MR1I	1,000,000	± 1%	4799	± 2%	1.5 mW/ °C	2 second	-40° to +125°C

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