



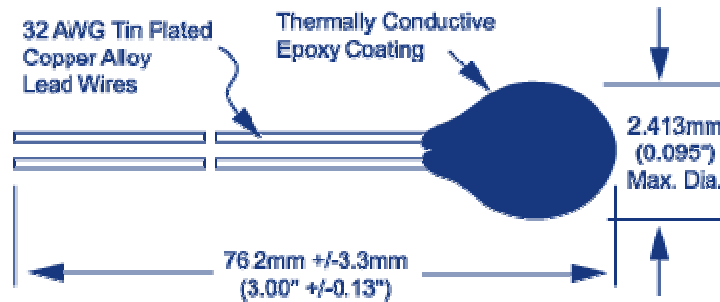
BetaCURVE Thermistor – Series V

Introduction



The BetaCURVE Thermistor Series V are small epoxy coated devices with solid tin plated copper lead wires. Due to the low nominal resistance values, these devices are suitable for measurement applications at the lower temperature ranges. The use of tin plated copper wires minimize the effects of lead wire resistance. Series V is specified with a temperature tolerance of $\pm 0.2^{\circ}\text{C}$ over the range 0°C to 25°C . The series does not offer colour coding (all thermistor in this series are coated with black epoxy).

Shape and Dimensions



Features

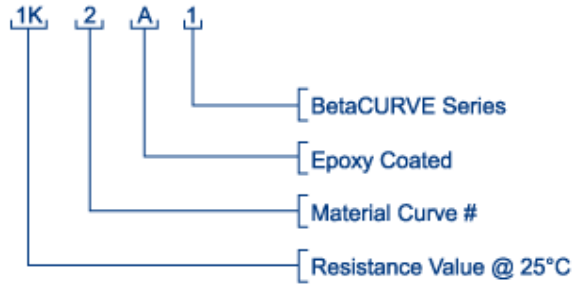
- Rapid Time Response (1 second typical in liquids).
- DC (Dissipation Constant) = $0.75\text{mW}/^{\circ}\text{C}$ typical in still air at 25°C .
- Min./Max. Temperature Exposure = -80°C to 125°C .
- Available in custom probe assemblies.
- Proven Stability and Reliability.

Applications

- Widely used for cold temperature environments.
- Artificial snow making equipment.
- Temperature compensation.
- Automotive air conditioning.



Part Numbering System



Electrical Specifications						
Part Number	Colour Code	Resistance @ +25°C (Ω)	Temperature Tolerance & Range	Alpha @ 25°C	0/50 °C Beta Value	Curve #
0.1K1A337	Black	300	±1.5 °C from 0 °C to 25°C	-3.50%	3108	1
0.1K1A339	Black	100	±3 °C from 0 °C to 25°C	-3.50%	3108	1
0.3K1A341	Black	300	±1.5 °C from 0 °C to 25°C	-3.50%	3108	1
1K2A1	Black	1000	±0.2 °C from 0 °C to 25°C	-3.68%	3263	1
1K7A1	Black	1000	±0.2 °C from 0 °C to 25°C	-3.87%	3422	7

For details on the minimum order quantity (MOQ) of this product, please contact BetaTHERM Sensors or your local BetaTHERM Sensors representative