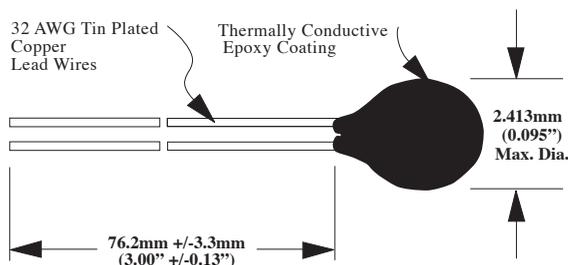
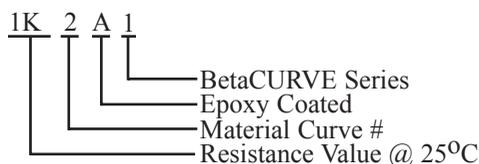




Thermistor Configuration



Example: BetaCURVE Series V Part Number



BetaCURVE Interchangeable Thermistor Series V

Applications

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

Features

- Rapid Time Response (1 second typical in liquids).
- DC (Dissipation Constant) = 0.75mW/°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

The BetaCURVE Thermistor Series V are small epoxy coated devices with solid tin plated 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 +/-0.2°C over the range -20°C to 50°C. Resistance - temperature tables are given on pages 43 to 47 for each of the thermistor types listed below. The series does not offer color coding (all thermistor in this series are coated with black epoxy).

BetaCURVE Interchangeable Series V Part Numbers and Specifications:

Part Number for +/- 5% @ 25 °C	Color Code	Resistance @ 25 °C (ohms)	Resistance Tolerance @ 25 °C	Temperature Tolerance and Range	Alpha @ 25 °C	0/50°C Beta Value	Curve #
0.1K1A1	Black	100	+/-0.50%	+/-0.2 °C 0 °C to 50 °C	-3.50%	3108	1
0.3K1A1	Black	300	+/-0.50%	+/-0.2 °C 0 °C to 50 °C	-3.50%	3108	1
1K2A1	Black	1000	+/-0.50%	+/-0.2 °C 0 °C to 50 °C	-3.68%	3263	2
1K7A1	Black	1000	+/-0.50%	+/-0.2 °C 0 °C to 50 °C	-3.87%	3422	7