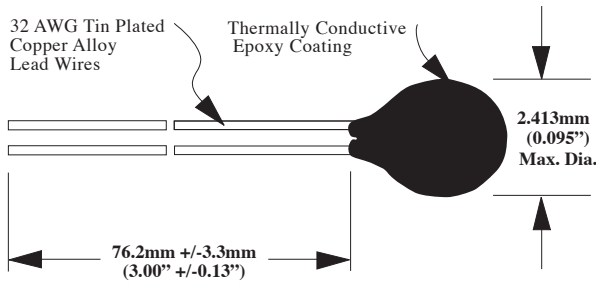
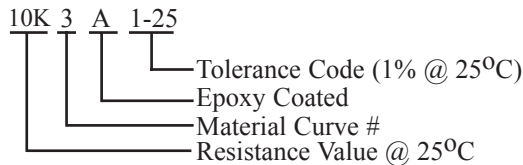




Thermistor Configuration



Example: BetaCHIP Series VII Part Number



BetaCHIP Thermistor Series VII

Applications

- Ambient temperature sensing, control and compensation.
- Aerospace instrumentation and crystal oscillator compensation.
- Liquid or gas temperature control and monitoring.
- Assembly into probes for a wide variety of applications.

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 150°C.
- Available in custom probe assemblies.
- Proven Stability and Reliability.
- Alloy Lead Wires for reduced thermal conductivity ("stem effect").

The BetaCHIP +/-1% @ 25°C Thermistor Series are small epoxy coated devices with solid tin plated lead wires. The series offers an economical alternative to the precision BetaCURVE Series for a wide variety of customer applications such as temperature control and thermal compensation where less precision will perform in the application.

The series is useful in applications where the temperature range is near room temperature (25°C). Predicted deviations across the complete temperature range are given in BetaTHERM Resistance Multipliers-Temperature and Deviation Tolerance Tables on pages 48 and 49.

BetaCHIP Series VII Part Numbers and Specifications:

Part Number	Resistance @ +25°C	Alpha @ +25 °C	0/50 °C Beta Value	Curve #
0.1K1A1-25	100	-3.50%	3108	1
0.3K1A1-25	300	-3.50%	3108	1
1K2A1-25	1000	-3.68%	3263	2
1K7A1-25	1000	-3.87%	3422	7
2K3A1-25	2000	-4.39%	3892	3
2.2K3A1-25	2252	-4.39%	3892	3
3K3A1-25	3000	-4.39%	3892	3
5K3A1-25	5000	-4.39%	3892	3
10K3A1-25	10000	-4.39%	3892	3
10K4A1-25	10000	-4.04%	3575	4
30K5A1-25	30000	-4.30%	3811	5
30K6A1-25	30000	-4.68%	4143	6
50K6A1-25	50000	-4.68%	4143	6
100K6A1-25	100000	-4.68%	4143	6
1M9A1-25	1000000	-5.18%	4582	9

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