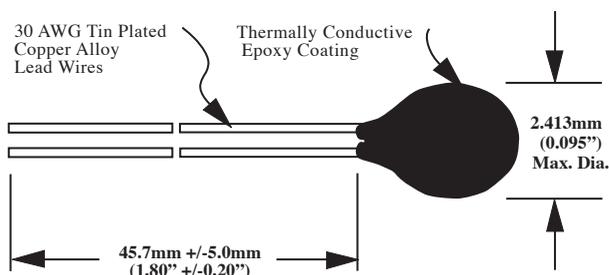
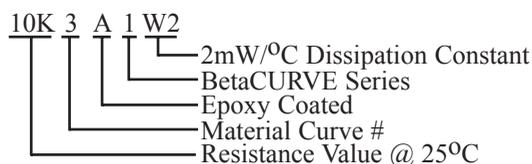


### Thermistor Configuration



### Example: BetaCURVE SeriesIII Part Number



### BetaCURVE Interchangeable Thermistor Series III

#### Applications

- Temperature sensing, control and compensation.
- Applied to applications where higher Dissipation Constant is required (2.0mW/°C).

#### Features

- Rapid Time Response (1.3 second typical in liquids).
- DC (Dissipation Constant) = 2.0mW/°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
- Larger lead wires ease assembly requirements.

BetaCURVE Thermistor Series III are similar in construction to Series I except for the use of larger (30 AWG) copper leads. This allows the Dissipation Constant (D.C.) to be raised from 0.75mW/°C to 2.0mW/°C. Larger leads also facilitate easier handling during assembly operations. The Thermal Time Constant is raised to 14 seconds in air. Custom resistance values and tolerances are available upon request.

### BetaCURVE Series III Part Numbers and Specifications:

Part Number	Color Code	Resistance ohms @ 25°C	Resistance Tolerance @ 25°C	Temperature Tolerance and Range	Alpha @ 25°C	0/50°C Beta Value	Curve #
2.2K3A1W2	Brown	2252	+/- 0.50%	+/- 0.2 °C (0 to 70 °C)	-4.39 %/°C	3892	3
3K3A1W2	Red	3000	+/- 0.50%	+/- 0.2 °C (0 to 70 °C)	-4.39 %/°C	3892	3
5K3A1W2	Orange	5000	+/- 0.50%	+/- 0.2 °C (0 to 70 °C)	-4.39 %/°C	3892	3
10K3A1W2	Yellow	10000	+/- 0.50%	+/- 0.2 °C (0 to 70 °C)	-4.39 %/°C	3892	3
10K4A1W2	Black	10000	+/- 0.50%	+/- 0.2 °C (0 to 70 °C)	-4.04 %/°C	3575	4
30K5A1W2	White	30000	+/- 0.50%	+/- 0.2 °C (0 to 70 °C)	-4.30 %/°C	3811	5
30K6A1W2	Green	30000	+/- 0.50%	+/- 0.2 °C (0 to 70 °C)	-4.68 %/°C	4143	6
50K6A1W2	Blue	50000	+/- 0.50%	+/- 0.2 °C (0 to 70 °C)	-4.68 %/°C	4143	6
100K6A1W2	Violet	100000	+/- 0.50%	+/- 0.2 °C (0 to 70 °C)	-4.68 %/°C	4143	6

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