

Series IV Thermistors

2.2 to 100K Ohms Resistance @25°C
 Thermally Conductive Epoxy Coating
 Available in Custom Tolerances
 28 AWG Solid Tin Plated Copper
 Leads



SERIES IV THERMISTORS

The BetaCURVE chip is soldered to 28 AWG tin plated copper leads and encapsulated in Stycast epoxy resin

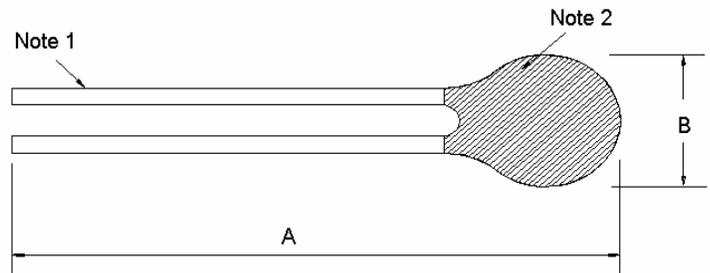
FEATURES

- 2.2 to 100K Ohms Resistance @25°C
- Proven Stability and Reliability
- 28AWG Solid Tin Plated Copper Leads
- Thermally Conductive Epoxy Coating
- Temperature Range -40°C to +125°C
- RoHS Compliant

APPLICATIONS

- Tight tolerance instrumentation
- Temperature sensing, control and compensation
- Assembly into probes for a wide variety of applications
- General instrumentation applications

Dimensions



	Dimensions	
	A	B
	46 ± 5mm	2.8mm Max
Note 1	28 AWG Solid Tin Plated Copper Leads	
Note 2	Stycast 2850ft Epoxy	

Series IV Thermistors

Part Number	Color Coding	Resistance [Ω] @ +25°C	Tolerance from 0 to +70°C	Alpha Value @ +25°C	Beta Value 25/85	Beta Tolerance	Dissipation Constant in still air @ +25°C	Time response (Stirred Oil)
2.2K3A1W3	Brown	2,252	±0.2°C	-4.39 %/°C	3976	±0.5%	3 mW/°C	<1.5 second
3K3A1W3	Red	3,000	±0.2°C	-4.39 %/°C	3976	±0.5%	3 mW/°C	<1.5 second
5K3A1W3	Orange	5,000	±0.2°C	-4.39 %/°C	3976	±0.5%	3 mW/°C	<1.5 second
10K3A1W3	Yellow	10,000	±0.2°C	-4.39 %/°C	3976	±0.5%	3 mW/°C	<1.5 second
10K4A1W3	Black	10,000	±0.2°C	-4.04 %/°C	3694	±0.5%	3 mW/°C	<1.5 second
30K5A1W3	White	30,000	±0.2°C	-4.30 %/°C	3942	±0.5%	3 mW/°C	<1.5 second
30K6A1W3	Green	30,000	±0.2°C	-4.68 %/°C	4261	±0.5%	3 mW/°C	<1.5 second
50K6A1W3	Blue	50,000	±0.2°C	-4.68 %/°C	4261	±0.5%	3 mW/°C	<1.5 second
100K6A1W3	Violet	100,000	±0.2°C	-4.68 %/°C	4261	±0.5%	3 mW/°C	<1.5 second

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