

Series II Thermistors

2.2 to 100K Ohms Resistance @25°C
 Thermally Conductive Epoxy Coating
 Choice of 4 Temperature Tolerance Classifications
 Low Cost



SERIES II THERMISTORS

The BetaCURVE chip is soldered to 30 AWG solid silver plated copper leads with white teflon insulation. Device is encapsulated in Stycast epoxy resin

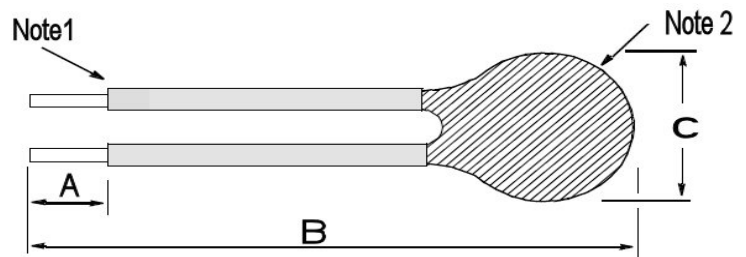
FEATURES

- 2.2 to 100K Ohms Resistance @25°C
- Proven Stability and Reliability
- 30AWG solid silver plated copper leads
- Interchangeability
- 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	C
	10 ± 2mm	76 ± 2mm	2.4mm Max
Note 1	30AWG Solid Silver Plated Copper Leads with White Teflon Insulation		
Note 2	Stycast 2850ft Epoxy		

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Product Definition

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)
2.2K3A1IA	Brown	2,252	±0.1°C	-4.39 %/ °C	3976	±0.5%	0.85 mW/°C	<1 second
2.2K3A1IB			±0.2°C					
2.2K3A1IC			±0.5°C					
2.2K3A1ID			±1.0°C					
3K3A1IA	Red	3,000	±0.1°C	-4.39 %/ °C	3976	±0.5%	0.85 mW/°C	<1 second
3K3A1IB			±0.2°C					
3K3A1IC			±0.5°C					
3K3A1ID			±1.0°C					
5K3A1IA	Orange	5,000	±0.1°C	-4.39 %/ °C	3976	±0.5%	0.85 mW/°C	<1 second
5K3A1IB			±0.2°C					
5K3A1IC			±0.5°C					
5K3A1ID			±1.0°C					
10K3A1IA	Yellow	10,000	±0.1°C	-4.39 %/ °C	3976	±0.5%	0.85 mW/°C	<1 second
10K3A1IB			±0.2°C					
10K3A1IC			±0.5°C					
10K3A1ID			±1.0°C					
10K4A1IA	Black	10,000	±0.1°C	-4.04 %/ °C	3694	±0.5%	0.85 mW/°C	<1 second
10K4A1IB			±0.2°C					
10K4A1IC			±0.5°C					
10K4A1ID			±1.0°C					
30K5A1IA	White	30,000	±0.1°C	-4.30 %/ °C	3942	±0.5%	0.85 mW/°C	<1 second
30K5A1IB			±0.2°C					
30K5A1IC			±0.5°C					
30K5A1ID			±1.0°C					
30K6A1IA	Green	30,000	±0.1°C	-4.68 %/ °C	4261	±0.5%	0.85 mW/°C	<1 second
30K6A1IB			±0.2°C					
30K6A1IC			±0.5°C					
30K6A1ID			±1.0°C					
50K6A1IA	Blue	50,000	±0.1°C	-4.68 %/ °C	4261	±0.5%	0.85 mW/°C	<1 second
50K6A1IB			±0.2°C					
50K6A1IC			±0.5°C					
50K6A1ID			±1.0°C					
100K6A1IA	Violet	100,000	±0.1°C	-4.68 %/ °C	4261	±0.5%	0.85 mW/°C	<1 second
100K6A1IB			±0.2°C					
100K6A1IC			±0.5°C					
100K6A1ID			±1.0°C					

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