

# Series I Thermistors

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

## SERIES I THERMISTORS

The BetaCURVE chip is soldered to 32 AWG Alloy 180 leads and encapsulated in Stycast epoxy resin

## FEATURES

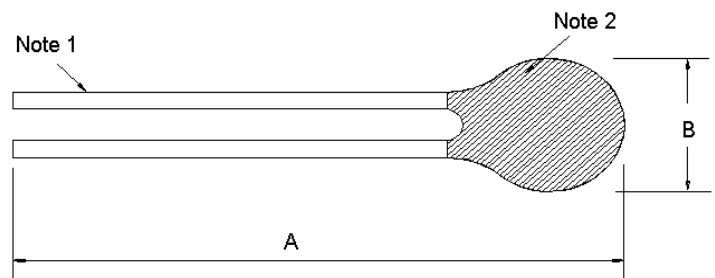
- 2.2 to 100K Ohms Resistance @25°C
- Proven Stability and Reliability
- Alloy lead wires for reduced thermal conductivity
- Interchangeability
- Thermally conductive epoxy coating
- Temperature range -40°C to +125°C
- RoHS Compliant

## 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
	76 ± 2mm	2.4mm Max
<b>Note 1</b>	32 AWG Solid Alloy 180 Leads	
<b>Note 2</b>	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)
<a href="#">2.2K3A1A</a>	Brown	2,252	±0.1°C	-4.39 %/ °C	3976	±0.5%	0.75 mW/°C	<1 second
<a href="#">2.2K3A1B</a>			±0.2°C					
<a href="#">2.2K3A1C</a>			±0.5°C					
<a href="#">2.2K3A1D</a>			±1.0°C					
<a href="#">3K3A1A</a>	Red	3,000	±0.1°C	-4.39 %/ °C	3976	±0.5%	0.75 mW/°C	<1 second
<a href="#">3K3A1B</a>			±0.2°C					
<a href="#">3K3A1C</a>			±0.5°C					
<a href="#">3K3A1D</a>			±1.0°C					
<a href="#">5K3A1A</a>	Orange	5,000	±0.1°C	-4.39 %/ °C	3976	±0.5%	0.75 mW/°C	<1 second
<a href="#">5K3A1B</a>			±0.2°C					
<a href="#">5K3A1C</a>			±0.5°C					
<a href="#">5K3A1D</a>			±1.0°C					
<a href="#">10K3A1A</a>	Yellow	10,000	±0.1°C	-4.39 %/ °C	3976	±0.5%	0.75 mW/°C	<1 second
<a href="#">10K3A1B</a>			±0.2°C					
<a href="#">10K3A1C</a>			±0.5°C					
<a href="#">10K3A1D</a>			±1.0°C					
<a href="#">10K4A1A</a>	Black	10,000	±0.1°C	-4.04 %/ °C	3694	±0.5%	0.75 mW/°C	<1 second
<a href="#">10K4A1B</a>			±0.2°C					
<a href="#">10K4A1C</a>			±0.5°C					
<a href="#">10K4A1D</a>			±1.0°C					
<a href="#">30K5A1A</a>	White	30,000	±0.1°C	-4.30 %/ °C	3942	±0.5%	0.75 mW/°C	<1 second
<a href="#">30K5A1B</a>			±0.2°C					
<a href="#">30K5A1C</a>			±0.5°C					
<a href="#">30K5A1D</a>			±1.0°C					
<a href="#">30K6A1A</a>	Green	30,000	±0.1°C	-4.68 %/ °C	4261	±0.5%	0.75 mW/°C	<1 second
<a href="#">30K6A1B</a>			±0.2°C					
<a href="#">30K6A1C</a>			±0.5°C					
<a href="#">30K6A1D</a>			±1.0°C					
<a href="#">50K6A1A</a>	Blue	50,000	±0.1°C	-4.68 %/ °C	4261	±0.5%	0.75 mW/°C	<1 second
<a href="#">50K6A1B</a>			±0.2°C					
<a href="#">50K6A1C</a>			±0.5°C					
<a href="#">50K6A1D</a>			±1.0°C					
<a href="#">100K6A1A</a>	Violet	100,000	±0.1°C	-4.68 %/ °C	4261	±0.5%	0.75 mW/°C	<1 second
<a href="#">100K6A1B</a>			±0.2°C					
<a href="#">100K6A1C</a>			±0.5°C					
<a href="#">100K6A1D</a>			±1.0°C					

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## Ordering Information