

SERIES I THERMISTORS

Thermally Conductive Epoxy Coating

Ø 2.4 mm Maximum Diameter

32 AWG Alloy 180 Leads

Four Temperature Tolerance Classifications Available

RoHS Compliant

BetaCURVE series I thermistors are small epoxy coated devices with solid tin-plated lead wires. The series I offers a choice of precision temperature tolerance classifications for a wide variety of customer applications, such as temperature measurements, temperature indication, temperature control, and thermal compensation.

FEATURES

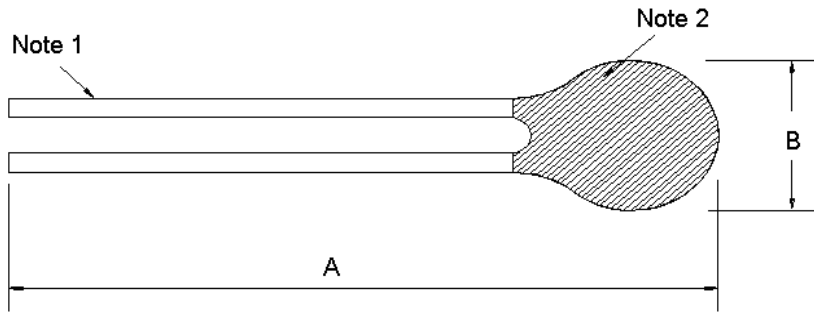
- Interchangeability
- Proven stability and reliability
- Rapid time response
- Alloy lead wires for reduced thermal conductivity ("stem effect")
- Thermally conductive epoxy coating
- Temperature range -40°C to +125°C
- Custom probe assemblies available

APPLICATIONS

- Temperature sensing, control and compensation
- Tight tolerance instrumentation
- General instrumentation applications

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MECHANICAL DETAILS



DIMENSIONS

A	B
76 ±2 mm	2.4 mm max.

Note 1: 32 AWG Solid Alloy 180 Leads

Note 2: Stycast 2850ft Epoxy

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PRODUCT DETAILS

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)
GA2.2K3A1A	Brown	2,252	±0.1°C	-4.39 %/ °C	3976	±0.5%	0.75 mW/°C	<1 second
GA2.2K3A1B			±0.2°C					
GA2.2K3A1C			±0.5°C					
GA2.2K3A1D			±1.0°C					
GA3K3A1A	Red	3,000	±0.1°C	-4.39 %/ °C	3976	±0.5%	0.75 mW/°C	<1 second
GA3K3A1B			±0.2°C					
GA3K3A1C			±0.5°C					
GA3K3A1D			±1.0°C					
GA5K3A1A	Orange	5,000	±0.1°C	-4.39 %/ °C	3976	±0.5%	0.75 mW/°C	<1 second
GA5K3A1B			±0.2°C					
GA5K3A1C			±0.5°C					
GA5K3A1D			±1.0°C					
GA10K3A1A	Yellow	10,000	±0.1°C	-4.39 %/ °C	3976	±0.5%	0.75 mW/°C	<1 second
GA10K3A1B			±0.2°C					
GA10K3A1C			±0.5°C					
GA10K3A1D			±1.0°C					
GA10K4A1A	Black	10,000	±0.1°C	-4.04 %/ °C	3694	±0.5%	0.75 mW/°C	<1 second
GA10K4A1B			±0.2°C					
GA10K4A1C			±0.5°C					
GA10K4A1D			±1.0°C					
GA30K5A1A	White	30,000	±0.1°C	-4.30 %/ °C	3942	±0.5%	0.75 mW/°C	<1 second
GA30K5A1B			±0.2°C					
GA30K5A1C			±0.5°C					
GA30K5A1D			±1.0°C					
GA30K6A1A	Green	30,000	±0.1°C	-4.68 %/ °C	4261	±0.5%	0.75 mW/°C	<1 second
GA30K6A1B			±0.2°C					
GA30K6A1C			±0.5°C					
GA30K6A1D			±1.0°C					
GA50K6A1A	Blue	50,000	±0.1°C	-4.68 %/ °C	4261	±0.5%	0.75 mW/°C	<1 second
GA50K6A1B			±0.2°C					
GA50K6A1C			±0.5°C					
GA50K6A1D			±1.0°C					
GA100K6A1A	Violet	100,000	±0.1°C	-4.68 %/ °C	4261	±0.5%	0.75 mW/°C	<1 second
GA100K6A1B			±0.2°C					
GA100K6A1C			±0.5°C					
GA100K6A1D			±1.0°C					

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