Series VI Thermistors

2.2 to 10K Ohms Resistance @25ºC
Thermally Conductive Epoxy Coating
32 AWG Alloy 180 Leads

SERIES VI THERMISTORS

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

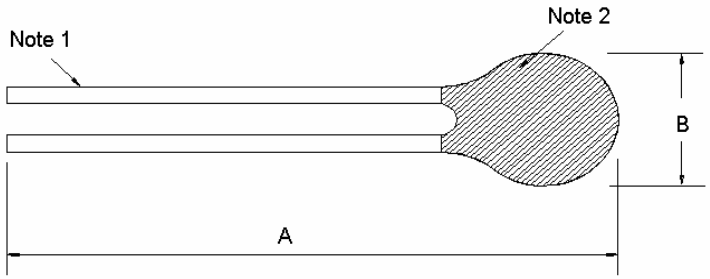
FEATURES

- 2.2 to 10K Ohms Resistance @25ºC
- Proven Stability and Reliability
- 32 AWG alloy 180 leads
- Thermally conductive epoxy coating
- Temperature range -40ºC to +125ºC
- RoHS Compliant

APPLICATIONS

- Tight tolerance instrumentation
- Esophageal catheters
- Skin sensors
- Oral and rectal probes
- Pharmaceutical manufacturing equipment
- Temperature sensing, control and compensation

Dimensions



	Dimensions	
	A	B
	76 ± 3mm	2.4mm Max
Note 1	32 AWG Alloy 180 Leads	
Note 2	Stycast 2850ft Epoxy	

Series VI Thermistors

Part Number	Color Coding	Resistance [Ω] @ +25ºC	Tolerance from +32 to +44ºC	Alpha Value @ +25ºC	Beta Value 25/85	Beta Tolerance	Dissipation Constant in still air @ +25ºC	Time response (Stirred Oil)
2.2K3A1AM	Brown	2,252	±0.05ºC	-4.39 %/ ºC	3976	±0.5%	0.75 mW/°C	<1 second
10K3A1AM	Yellow	10,000	±0.05ºC	-4.39 %/ ºC	3976	±0.5%	0.75 mW/°C	<1 second
10K4A1AM	Black	10,000	±0.05ºC	-4.04 %/ ºC	3694	±0.5%	0.75 mW/°C	<1 second

Ordering Information

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NORTH AMERICA

Measurement Specialties, Inc.
910 Turnpike Road
Shrewsbury, MA 01545
Tel: 1-508-842-0516
Fax: 1-508-842-0342

Sales email:
temperature.sales.amer@meas-spec.com

EUROPE

Measurement Specialties, Inc
Ballybrit Business Park
Galway Ireland
Tel: +353-91-753238
Fax: +353-91-770789

Sales email:
temperature.sales.emea@meas-spec.com

ASIA

Measurement Specialties (China) Ltd.
No. 26 Langshan Road
Shenzhen High-Tech Park (North)
Nanshan District, Shenzhen 51807
China
Tel: +86 (0) 755 33305088
Fax: +86 (0) 755 33305099

Sales email:
temperature.sales.asia@meas-spec.com