

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 PTFE insulation. Device is encapsulated in Stycast epoxy resin

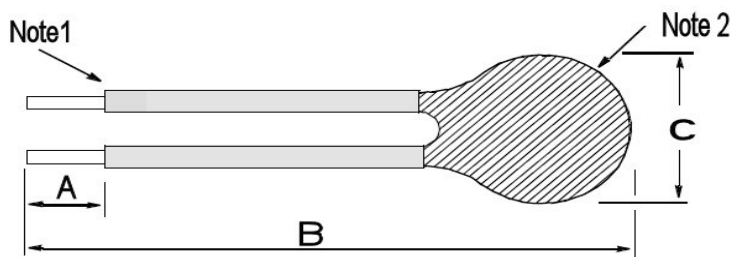
FEATURES

- 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 PTFE Insulation		
Note 2	Stycast 2850ft Epoxy		

Series II Thermistors

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					

The information in this sheet has been carefully reviewed and is believed to be accurate; however, no responsibility is assumed for inaccuracies. Furthermore, this information does not convey to the purchaser of such devices any license under the patent rights to the manufacturer. Measurement Specialties, Inc. reserves the right to make changes without further notice to any product herein. Measurement Specialties, Inc. makes no warranty, representation or guarantee regarding the suitability of its product for any particular purpose, nor does Measurement Specialties, Inc. assume any liability arising out of the application or use of any product or circuit and specifically disclaims any and all liability, including without limitation consequential or incidental damages. Typical parameters can and do vary in different applications. All operating parameters must be validated for each customer application by customer's technical experts. Measurement Specialties, Inc. does not convey any license under its patent rights nor the rights of others.

Ordering Information

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 518057
China
Tel: +86 (0) 755 33305088
Fax: +86 (0) 755 33305099

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