

0.1 to 1K Ohms Resistance @25°C
Thermally Conductive Epoxy Coating
32 AWG Alloy 180 Leads

SERIES V THERMISTORS

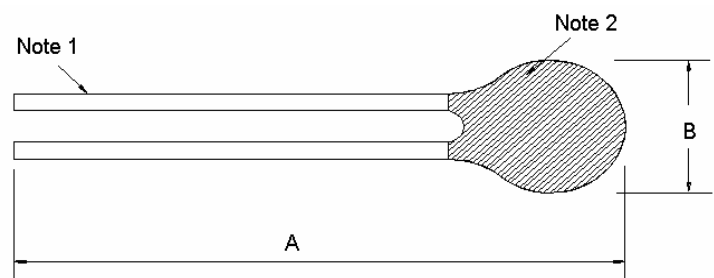
The BetaCURVE chip is soldered to 32 AWG Alloy 180 leads and encapsulated in Stycast epoxy resin



Dimensions

FEATURES

- 0.1 to 1K Ohms Resistance @25°C
- Proven Stability and Reliability
- 32 AWG alloy 180 leads
- Thermally conductive epoxy coating
- Temperature range -40°C to +100°C
- RoHS Compliant



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

APPLICATIONS

- Assembly into probes used in low temperature applications
- Suitable for measurement applications at the lower temperature ranges
- Temperature sensing, control and compensation

Series V Thermistors

Part Number	Color Coding	Resistance [Ω] @ +25°C	Tolerance from 0 to +25°C	Alpha Value @ +25°C	Beta Value 25/85	Dissipation Constant in still air @ +25°C	Time response (Stirred Oil)
0.1K1A337	Black	100	±1.5°C	-3.50 %/ °C	3187	0.75 mW/°C	<1 second
0.1K1A339	Black	100	±3.0°C	-3.50 %/ °C	3187	0.75 mW/°C	<1 second
0.3K1A341	Black	300	±1.5°C	-3.50 %/ °C	3187	0.75 mW/°C	<1 second
1K2A1	Black	1,000	±0.2°C	-3.68 %/ °C	3348	0.75 mW/°C	<1 second
1K7A1	Black	1,000	±0.2°C	-3.87 %/ °C	3499	0.75 mW/°C	<1 second

Ordering Information

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.

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