SUNSTAR传感与控制 http://www.sensor-ic.com/ TEL:0755-83376549 FAX:0755-83376182 E-MAIL:szss20@163.com

Series III Thermistors

2.2 to 100K Ohms Resistance @25ºC
Thermally Conductive Epoxy Coating
Available in Custom Tolerances
30 AWG Solid Tin Plated Copper Leads

SERIES III THERMISTORS

The BetaCURVE chip is soldered to 30 AWG tin plated copper leads and encapsulated in Stycast epoxy resin.

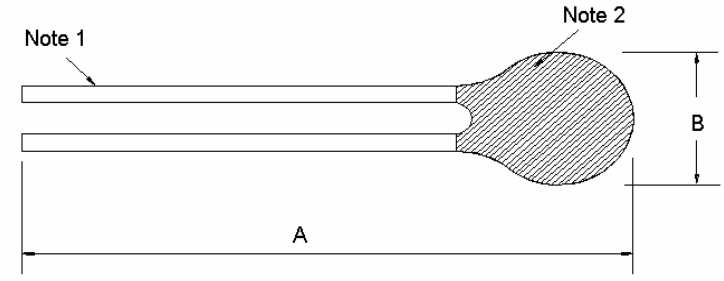
FEATURES

- 2.2 to 100K Ohms Resistance @25ºC
- Proven Stability and Reliability
- 30AWG Solid Tin Plated Copper Leads
- Thermally Conductive Epoxy Coating
- Temperature Range -40ºC to +125ºC
- 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
	46 ± 5mm	2.4mm Max
Note 1	30 AWG Solid Tin Plated Copper Leads	
Note 2	Stycast 2850ft Epoxy	

SUNSTAR自动化 http://www.sensor-ic.com/ TEL: 0755-83376489 FAX:0755-83376182 E-MAIL:szss20@163.com

SUNSTAR传感与控制 http://www.sensor-ic.com/ TEL:0755-83376549 FAX:0755-83376182 E-MAIL:szss20@163.com

Series III Thermistors

Part Number	Color Coding	Resistance [Ω] @ +25ºC	Tolerance from 0 to +70ºC	Alpha Value @ +25ºC	Beta Value 25/85	Beta Tolerance	Dissipation Constant in still air @ +25ºC	Time response (Stirred Oil)
2.2K3A1W2	Brown	2,252	±0.2ºC	-4.39 %/ ºC	3976	±0.5%	2 mW/°C	<1.3 second
3K3A1W2	Red	3,000	±0.2ºC	-4.39 %/ ºC	3976	±0.5%	2 mW/°C	<1.3 second
5K3A1W2	Orange	5,000	±0.2ºC	-4.39 %/ ºC	3976	±0.5%	2 mW/°C	<1.3 second
10K3A1W2	Yellow	10,000	±0.2ºC	-4.39 %/ ºC	3976	±0.5%	2 mW/°C	<1.3 second
10K4A1W2	Black	10,000	±0.2ºC	-4.04 %/ ºC	3694	±0.5%	2 mW/°C	<1.3 second
30K5A1W2	White	30,000	±0.2ºC	-4.30 %/ ºC	3942	±0.5%	2 mW/°C	<1.3 second
30K6A1W2	Green	30,000	±0.2ºC	-4.68 %/ ºC	4261	±0.5%	2 mW/°C	<1.3 second
50K6A1W2	Blue	50,000	±0.2ºC	-4.68 %/ ºC	4261	±0.5%	2 mW/°C	<1.3 second
100K6A1W2	Violet	100,000	±0.2ºC	-4.68 %/ ºC	4261	±0.5%	2 mW/°C	<1.3 second

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

SUNSTAR自动化 http://www.sensor-ic.com/ TEL: 0755-83376489 FAX:0755-83376182 E-MAIL:szss20@163.com