



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





## SERIES V THERMISTORS

Thermally Conductive Epoxy Coating

Ø 2.4 mm Maximum Diameter

32 AWG Alloy 180 Leads

RoHS Compliant

BetaCURVE series V thermistors are small epoxy coated devices with solid tin-plated lead wires. Due to the low nominal resistance values, these devices are suitable for measurement applications at the lower temperature ranges.

### FEATURES

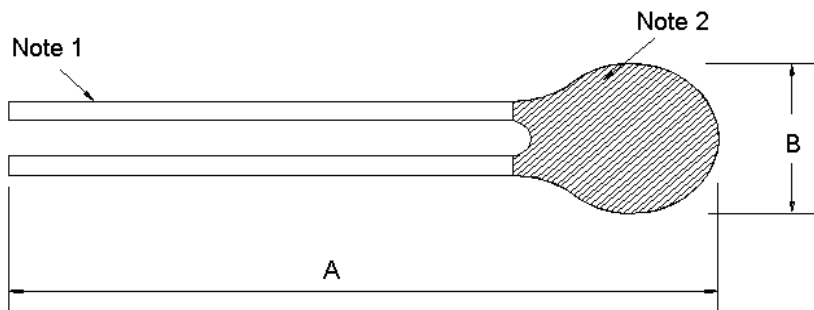
- Interchangeability
- Proven stability and reliability
- Rapid time response
- Alloy lead wires for reduced thermal conductivity ("stem effect")
- Thermally conductive epoxy coating
- Temperature range -40°C to +125°C
- Custom probe assemblies available

### APPLICATIONS

- Temperature sensing, control and compensation
- Measurement applications at low temperature ranges

## SERIES V THERMISTORS

### MECHANICAL DETAILS



### DIMENSIONS

| A        | B           |
|----------|-------------|
| 76 ±2 mm | 2.4 mm max. |

Note 1: 32 AWG Solid Alloy 180 Leads

Note 2: Black Stycast 2850ft Epoxy

### PRODUCT DETAILS

| Part Number | Color Coding | Resistance [Ω] @ +25°C | Tolerance from 0 to +25°C | Alpha Value @ +25°C | Beta Value 25/85 | Beta Tolerance | Dissipation Constant in Still Air @+25°C | Time Response (Stirred Oil) |
|-------------|--------------|------------------------|---------------------------|---------------------|------------------|----------------|--|-----------------------------|
| GA1K2A1     | Black        | 1,000                  | ±0.2°C                    | 3.68 %/ °C          | 3348             | ±0.5%          | 0.75 mW/°C                               | <1 second                   |
| GA1K7A1     | Black        | 1,000                  | ±0.2°C                    | 3.87 %/ °C          | 3499             | ±0.5%          | 0.75 mW/°C                               | <1 second                   |

#### NORTH AMERICA

Tel +1 800 522 6752  
[customercare.ando@te.com](mailto:customercare.ando@te.com)

#### EUROPE

Tel +31 73 624 6999  
[customercare.glw@te.com](mailto:customercare.glw@te.com)

#### ASIA

Tel +86 0400 820 6015  
[customercare.chdu@te.com](mailto:customercare.chdu@te.com)

#### [te.com/sensorsolutions](http://te.com/sensorsolutions)

BetaCURVE, TE Connectivity, TE, and the TE connectivity (logo) are trademarks of the TE Connectivity Ltd. family of companies. Other logos, products and/or company names referred to herein may be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2018 TE Connectivity Ltd. family of companies All Rights Reserved.