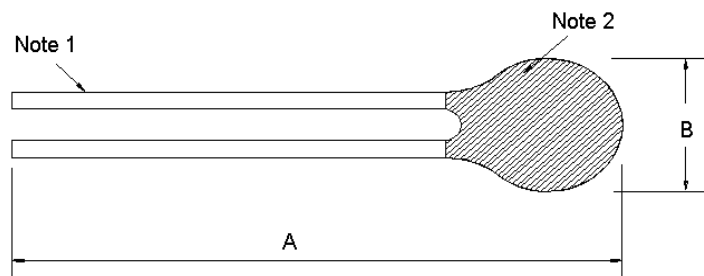




Dimensions



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

SERIES V THERMISTORS

SPECIFICATIONS

- .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

FEATURES

- .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

APPLICATIONS

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

PRODUCT DEFINITION

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

RELIABILITY DATA

Test	Standard	Test conditions	ΔR25/R25	Remarks
Storage in dry heat	IEC 60068-2-2	High temperature storage @+100°C. Duration: 1000 h	<0.5%	No mechanical damage
Storage in dry heat	IEC 60068-2-2	High temperature storage @+125°C. Duration: 1000 h	<1%	No mechanical damage
Storage in damp heat, steady state	IEC60068-2-78	Ambient Conditions: Temperature: +40°C. Relative humidity 93% Duration: 56 days	<1%	No mechanical damage
Rapid temperature cycling	IEC60068-2-14	Lower test temperature: -40°C Upper test temperature: +125°C Number of cycles: 1000	<1%	No mechanical damage
Endurance		Pmax: 60mW Duration: 1000 h	<2%	No mechanical damage

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