0.3K1A341 Series V Thermistor

- **Thermally conductive epoxy coating**
- **Ø 2.4 mm Maximum Diameter**
- **32 AWG Alloy 180 Leads**
- **RoHS Compliant**

DESCRIPTION

The BetaCURVE Chip is Soldered to 32 AWG Alloy 180 Leads and Encapsulated in Stycast Epoxy Resin

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 ºC to +100ºC

APPLICATIONS

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

PERFORMANCE SPECS

Parameters	Units	Value
Resistance @ +25℃	Ohms	300
Resistance tolerance from 0℃ to +25℃	℃	1.5
Alpha Value @ 25℃	%/℃	3.5
Beta Value 25/85	K	3187
Tolerance on Beta Value 25/85	%	1
Time response in Liquids	Seconds	<1
Dissipation Constant in still air	mW/℃	0.75

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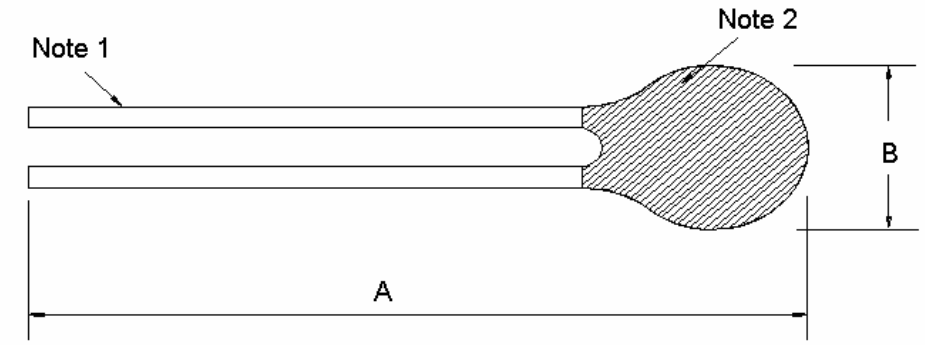
MECHANICAL DETAILS



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

RESISTANCE V TEMPERATURE TABLE

Temp. °C	Ohms	Temp. °C	Ohms	Temp. °C	Ohms	Temp. °C	Ohms
-40	4815	-18	1660	4	655	26	290
-39	4572	-17	1587	5	630	27	280
-38	4343	-16	1518	6	606	28	270
-37	4127	-15	1452	7	583	29	261
-36	3923	-14	1389	8	561	30	252
-35	3730	-13	1329	9	539	31	244
-34	3548	-12	1272	10	519	32	236
-33	3376	-11	1218	11	500	33	228
-32	3213	-10	1167	12	481	34	221
-31	3059	-9	1118	13	463	35	213
-30	2913	-8	1071	14	446	36	207
-29	2775	-7	1027	15	430	37	200
-28	2645	-6	985	16	415	38	193
-27	2521	-5	944	17	400	39	187
-26	2404	-4	906	18	385	40	181
-25	2293	-3	869	19	371	41	176
-24	2187	-2	834	20	358	42	170
-23	2088	-1	801	21	346	43	165
-22	1993	0	769	22	334	44	160
-21	1903	1	739	23	322	45	155
-20	1818	2	710	24	311	46	150
-19	1737	3	682	**25**	**300**	47	145

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48	141
49	137
50	133
51	129
52	125
53	121
54	117
55	114
56	111
57	107
58	104
59	101
60	98
61	96

62	93
63	90
64	88
65	85
66	83
67	81
68	79
69	76
70	74
71	72
72	70
73	68
74	67
75	65

76	63
77	62
78	60
79	58
80	57
81	55
82	54
83	53
84	51
85	50
86	49
87	48
88	46
89	45

90	44
91	43
92	42
93	41
94	40
95	39
96	38
97	37
98	36
99	35
100	35

ORDERING INFORMATION

Part Number	Description	Ω @25ºC	MOQ
0.3K1A341	Series V Thermistor	300	1,000*

* For quantities less than Minimum Order Quantity – Contact Distribution

NORTH AMERICA

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