

NTC Thermistor

SAMPLE DETAILS

Customer:	Farnell	
Customer Part No.:		
Sample Reference Number		
Betatherm Part No.:	5K3A373I	

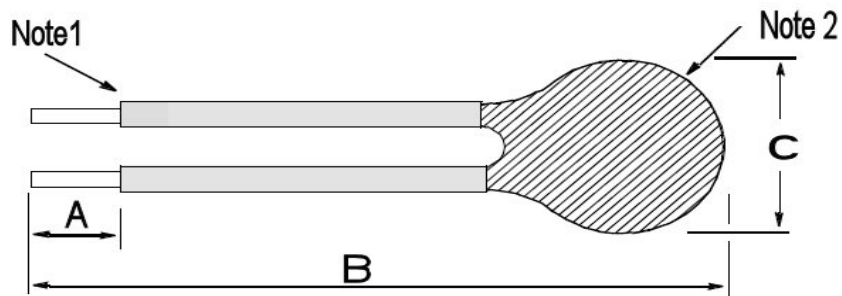
DESCRIPTION

The BetaCURVE Chip is Soldered to 30AWG Solid Silver Plated Copper wire with White Kynar Insulation Device is Encapsulated in Stycast Epoxy Resin

PERFORMANCE SPECS

Parameters	Units	Value
Resistance @ +25°C	Ohms	5,000
Resistance tolerance from 0°C to 70°C	°C	±0.2
Beta Value 25/85	K	3976
Tolerance on Beta Value 25/85	%	±0.5
Time response in Liquids	Seconds	<1
Dissipation Constant in still air	mW/°C	0.85

MECHANICAL DETAILS



	Dimensions		
	A	B	C
	10 ± 2mm	200 ± 10mm	2.4mm Maximum
Note 1	30AWG Solid Silver Plated Copper with White Kynar Insulation		
Note 2	Black Stycast Epoxy		

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RESISTANCE V TEMPERATURE TABLE

Temp. °C	Ohms
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-40	167,864
-39	157,113
-38	147,119
-37	137,822
-36	129,170
-35	121,116
-34	113,613
-33	106,621
-32	100,103
-31	94,024
-30	88,351
-29	83,055
-28	78,108
-27	73,487
-26	69,167
-25	65,128
-24	61,348
-23	57,811
-22	54,500
-21	51,398
-20	48,491
-19	45,766
-18	43,210
-17	40,813
-16	38,563
-15	36,450
-14	34,465
-13	32,601
-12	30,848
-11	29,200
-10	27,650
-9	26,191
-8	24,817
-7	23,524
-6	22,306
-5	21,158
-4	20,075
-3	19,055
-2	18,092
-1	17,183
0	16,325
1	15,516

Temp. °C	Ohms
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2	14,750
3	14,027
4	13,344
5	12,698
6	12,087
7	11,508
8	10,961
9	10,443
10	9,952
11	9,487
12	9,046
13	8,629
14	8,233
15	7,857
16	7,501
17	7,162
18	6,841
19	6,536
20	6,247
21	5,972
22	5,710
23	5,461
24	5,225
25	5,000
26	4,786
27	4,582
28	4,388
29	4,204
30	4,028
31	3,860
32	3,701
33	3,549
34	3,403
35	3,265
36	3,133
37	3,007
38	2,887
39	2,772
40	2,662
41	2,558
42	2,458
43	2,362

Temp. °C	Ohms
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44	2,271
45	2,183
46	2,100
47	2,020
48	1,944
49	1,870
50	1,800
51	1,733
52	1,669
53	1,608
54	1,549
55	1,493
56	1,438
57	1,387
58	1,337
59	1,289
60	1,244
61	1,200
62	1,158
63	1,117
64	1,078
65	1,041
66	1,005
67	971
68	938
69	906
70	876
71	846
72	818
73	791
74	765
75	740
76	716
77	693
78	670
79	649
80	628
81	608
82	589
83	570
84	552
85	535

Temp. °C	Ohms
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86	519
87	503
88	487
89	472
90	458
91	444
92	431
93	418
94	406
95	393
96	382
97	371
98	360
99	349
100	339
101	330
102	320
103	311
104	302
105	294
106	285
107	277
108	270
109	262
110	255
111	248
112	241
113	235
114	228
115	222
116	216
117	211
118	205
119	200
120	194
121	189
122	184
123	180
124	175
125	170

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SAMPLE ACCEPTANCE

Customer Approval _____

Date _____

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