

BETATHERM DATA SHEET

Product: BetaCurve Interchangeable Thermistor

Product Description

NTC thermistor soldered to 30 AWG Solid Silver Plated Copper with White Kynar Insulation.
 Unit coated with Black Stycast 2850ft epoxy.

Customer:

Customer Part No.: N/A

Application

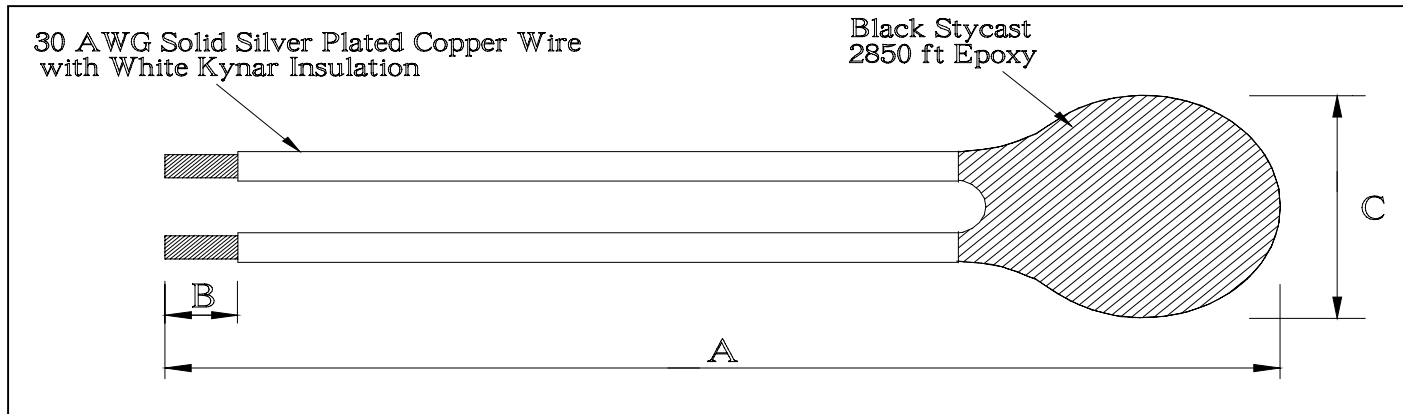
No information available.

Betatherm Part No.: 100K6A372i

Electrical Specifications

Parameter	Unit	Value
Resistance at +25°C	Ohms	100,000
Tolerance from 0°C to +70°C	°C	± 0.2
Alpha at +25°C	%/°C	-4.68
Beta Value $_{0/50}$	K	4143
Dissipation Constant (still air at +25°C)	mW/°C	1 Approx.
Operating Temperature	°C	-40 to +125

Mechanical Details



Dimension		
A	B	C
200 ± 10mm	10 ± 2.0mm	2.4mm Maximum

Betatherm Approval

Engineering: _____ Date: _____
 Quality: _____ Date: _____

Customer Approval

Signed: _____ Date: _____



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Resistance/Temperature Chart

Temp. °C	Resistance
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-40.00	4071185.7
-39.00	3798837.4
-38.00	3546330.0
-37.00	3312107.1
-36.00	3094742.7
-35.00	2892929.6
-34.00	2705468.6
-33.00	2531259.5
-32.00	2369292.4
-31.00	2218639.3
-30.00	2078447.8
-29.00	1947933.8
-28.00	1826376.2
-27.00	1713111.6
-26.00	1607528.9
-25.00	1509065.2
-24.00	1417202.0
-23.00	1331460.9
-22.00	1251401.0
-21.00	1176615.1
-20.00	1106727.4
-19.00	1041390.8
-18.00	980284.6
-17.00	923112.3
-16.00	869599.5
-15.00	819492.7
-14.00	772556.8
-13.00	728574.6
-12.00	687344.4
-11.00	648679.6
-10.00	612407.0
-9.00	578366.1
-8.00	546407.9
-7.00	516394.0
-6.00	488196.1
-5.00	461694.8
-4.00	436779.2
-3.00	413346.2
-2.00	391300.0
-1.00	370551.3
0.00	351017.0
1.00	332619.9
2.00	315287.9
3.00	298953.9
4.00	283555.3

Temp. °C	Resistance
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5.00	269033.9
6.00	255335.1
7.00	242408.3
8.00	230205.9
9.00	218683.8
10.00	207800.6
11.00	197517.7
12.00	187798.9
13.00	178610.5
14.00	169920.8
15.00	161700.4
16.00	153921.5
17.00	146558.2
18.00	139586.4
19.00	132983.1
20.00	126727.2
21.00	120798.6
22.00	115178.6
23.00	109849.7
24.00	104795.3
25.00	100000.0
26.00	95449.2
27.00	91129.2
28.00	87027.3
29.00	83131.4
30.00	79430.1
31.00	75912.7
32.00	72569.3
33.00	69390.4
34.00	66367.2
35.00	63491.2
36.00	60754.6
37.00	58149.9
38.00	55670.3
39.00	53309.0
40.00	51059.9
41.00	48917.1
42.00	46875.2
43.00	44928.8
44.00	43073.0
45.00	41303.3
46.00	39615.2
47.00	38004.5
48.00	36467.5
49.00	35000.3

Temp. °C	Resistance
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50.00	33599.4
51.00	32261.6
52.00	30983.7
53.00	29762.8
54.00	28596.1
55.00	27480.8
56.00	26414.6
57.00	25395.0
58.00	24419.8
59.00	23486.8
60.00	22594.0
61.00	21739.5
62.00	20921.6
63.00	20138.3
64.00	19388.3
65.00	18669.8
66.00	17981.4
67.00	17321.7
68.00	16689.4
69.00	16083.2
70.00	15502.0
71.00	14944.6
72.00	14409.8
73.00	13896.8
74.00	13404.5
75.00	12932.0
76.00	12478.4
77.00	12042.8
78.00	11624.5
79.00	11222.7
80.00	10836.7
81.00	10465.8
82.00	10109.4
83.00	9766.7
84.00	9437.3
85.00	9120.5
86.00	8815.9
87.00	8522.8
88.00	8240.9
89.00	7969.5
90.00	7708.4
91.00	7457.1
92.00	7215.1
93.00	6982.0
94.00	6757.6

Temp. °C	Resistance
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95.00	6541.4
96.00	6333.1
97.00	6132.4
98.00	5939.0
99.00	5752.5
100.00	5572.8
101.00	5399.5
102.00	5232.4
103.00	5071.2
104.00	4915.7
105.00	4765.6
106.00	4620.9
107.00	4481.1
108.00	4346.3
109.00	4216.0
110.00	4090.3
111.00	3968.9
112.00	3851.6
113.00	3738.3
114.00	3628.9
115.00	3523.1
116.00	3420.9
117.00	3322.1
118.00	3226.6
119.00	3134.3
120.00	3045.0
121.00	2958.6
122.00	2875.1
123.00	2794.3
124.00	2716.1
125.00	2640.4



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