

BETATHERM DATA SHEET

Product: BetaCURVE Interchangeable Thermistor

Product Description

Epoxy -coated NTC Thermistor with insulated leads

Application

Automotive

Customer:

Analytical Sensors

Customer Part No.:

NA

Sample Ref. No./Revision:

FSR20808061 rev 1

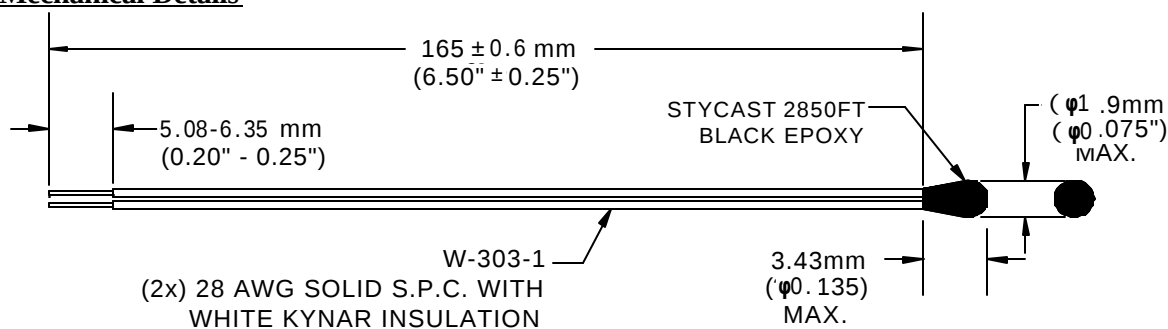
Betatherm Part No.:

10K3A748i

Electrical Specifications

Parameter	Unit	Value
Zero power resistance @ +25°C	Ohms	10,000
Tolerance from 0 to 70°C	°C	± 0.2
Beta Value _{25/85}	K	3976
Operating Temperature	°C	-40 to +125

Mechanical Details



Betatherm Approval

Engineering: _____

Date: _____

Quality: _____

Date: _____

Customer Approval (The Customer signs acceptance of the mechanical / electrical specification for the NTC thermistor)

Customer Approval: _____

Date: _____



The information provided in this data sheet is not intended as a substitute for any testing that you may need to undertake to determine the suitability of the product for your application.

• **CORPORATE HEADQUARTERS**

Betatherm Ireland Ltd.,
Ballybrit Business Park,
Galway,
Ireland.

Tel.: 353 - 91- 753238
Fax: 353 - 91 - 753615

E-mail: sales@betatherm.com

• **USA HEADQUARTERS**

Betatherm Corporation,
910 Turnpike Road,
Shrewsbury,
Massachusetts, 01545.

Tel.: 508 - 842 - 0516
Fax: 508 - 842 - 0748

E-mail: sales@betatherm.usa.com

Resistance/Temperature Chart

Re: Part #10K3A748i

Temp. (°C)	Resistance (Ohms)
-40	336109
-39	314563
-38	294534
-37	275905
-36	258571
-35	242434
-34	227404
-33	213399
-32	200344
-31	188168
-30	176807
-29	166202
-28	156298
-27	147045
-26	138396
-25	130309
-24	122743
-23	115663
-22	109034
-21	102825
-20	97008
-19	91554
-18	86440
-17	81642
-16	77139
-15	72912
-14	68941
-13	65210
-12	61703
-11	58406
-10	55304
-9	52385
-8	49638
-7	47051
-6	44614
-5	42317
-4	40152
-3	38110
-2	36184
-1	34367
0	32651
1	31031
2	29501

Temp. (°C)	Resistance (Ohms)
-40	336109
3	28054
4	26688
5	25395
6	24173
7	23016
8	21921
9	20885
10	19903
11	18973
12	18092
13	17257
14	16465
15	15714
16	15001
17	14325
18	13682
19	13073
20	12493
21	11943
22	11420
23	10923
24	10450
25	10000
26	9572
27	9165
28	8777
29	8408
30	8056
31	7721
32	7402
33	7097
34	6807
35	6530
36	6266
37	6014
38	5774
39	5544
40	5325
41	5116
42	4916
43	4724
44	4542

Temp. (°C)	Resistance (Ohms)
-40	336109
45	4367
46	4200
47	4040
48	3887
49	3741
50	3601
51	3467
52	3339
53	3216
54	3098
55	2985
56	2877
57	2773
58	2674
59	2579
60	2487
61	2399
62	2315
63	2234
64	2157
65	2082
66	2011
67	1942
68	1876
69	1813
70	1752
71	1693
72	1637
73	1582
74	1530
75	1480
76	1432
77	1385
78	1341
79	1298
80	1256
81	1216
82	1178
83	1141
84	1105
85	1070
86	1037

Temp. (°C)	Resistance (Ohms)
-40	336109
87	1005
88	974.4
89	944.7
90	916.0
91	888.3
92	861.5
93	835.8
94	810.9
95	786.8
96	763.6
97	741.2
98	719.6
99	698.6
100	678.4
101	658.9
102	640.0
103	621.8
104	604.2
105	587.1
106	570.6
107	554.7
108	539.2
109	524.3
110	509.8
111	495.9
112	482.3
113	469.2
114	456.5
115	444.2
116	432.3
117	420.8
118	409.7
119	398.8
120	388.4
121	378.2
122	368.3
123	358.8
124	349.5
125	340.6



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