

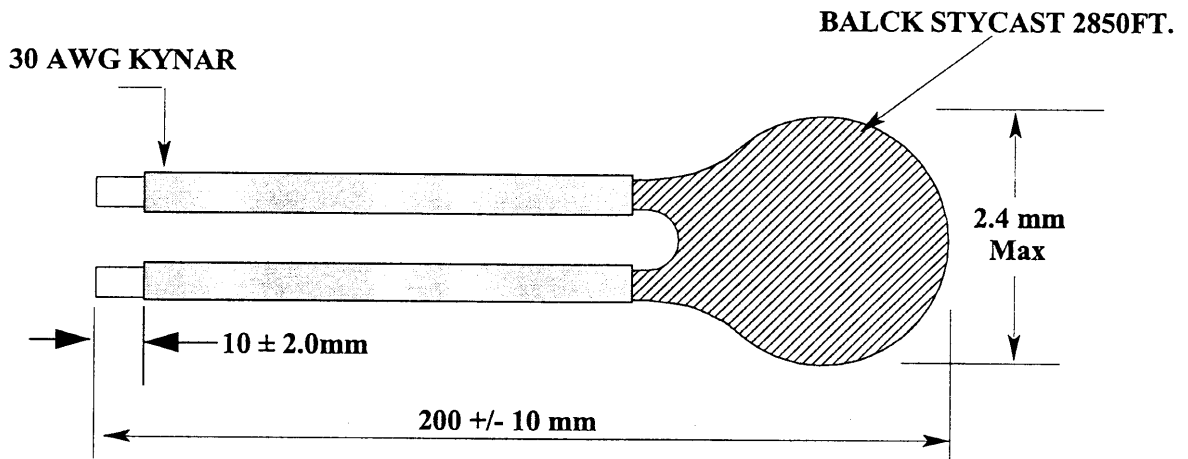
BETATHERM DATA SHEET

BETATHERM PART NO.:10K3A542I

F.E.C. NO. :732-242

DESCRIPTION NTC THERMISTOR WITH LEAD TYPE 30 AWG SOLID
SILVER PLATED COPPER WITH KYNAR INSULATION.

MECHANICAL SPECIFICATION



ELECTRICAL SPECIFICATION

Resistance @ 25°C: 10,000 Ohms
Tolerance: ±0.2°C from 0°C to 70°C
Operating Range: -55°C to +150°C
Beta Value 0/50: 3892 +/- 1,0%
Alpha Value @ 25°C: -4.39%/°C

Curve 3	R @ 25°C :	10000.00
Temp	Multiplier	R nominal
-50	66.7820	667820.00
-45	47.0610	470610.00
-40	33.5668	335668.00
-35	24.2193	242193.00
-30	17.6682	176682.00
-25	13.0242	130242.00
-20	9.6976	96976.02
-15	7.2895	72895.20
-10	5.5298	55297.51
-5	4.2314	42314.39
0	3.2651	32650.98
5	2.5396	25395.65
10	1.9904	19903.64
15	1.5714	15714.03
20	1.2494	12493.78
25	1.0000	10000.00
30	0.8056	8055.95
35	0.6530	6530.20
40	0.5325	5325.04
45	0.4367	4366.87
50	0.3601	3600.98
55	0.2985	2985.08
60	0.2487	2487.08
65	0.2082	2082.33
70	0.1752	1751.64
75	0.1480	1480.11
80	0.1256	1256.17
85	0.1071	1070.56
90	0.0916	916.12
95	0.0787	786.99
100	0.0679	678.64
105	0.0587	587.30
110	0.0510	510.08
115	0.0444	444.49
120	0.0389	388.59
125	0.0341	340.82
130	0.0300	299.82
135	0.0265	264.54
140	0.0234	234.08
145	0.0208	207.70
150	0.0185	184.79