

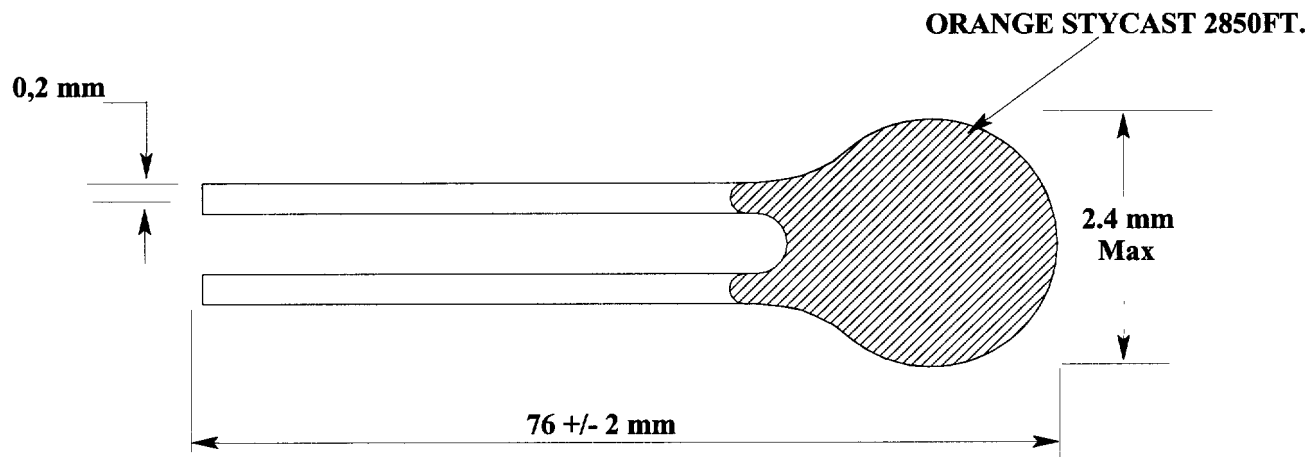
BETATHERM DATA SHEET

BETATHERM PART NO. 5K3A1

F.E.C. NO. :151-590

DESCRIPTION NTC THERMISTOR WITH LEAD TYPE 32 AWG ALLOY

MECHANICAL SPECIFICATION



ELECTRICAL SPECIFICATION

Resistance @ 25°C: 5,000 Ohms

Tolerance: $\pm 0.2^\circ\text{C}$ from 0°C to 70°C

Operating Range: -55°C to $+150^\circ\text{C}$

Beta Value 0/50: 3892 $\pm$ 1,0%

Alpha Value @ 25°C: -4,39%/°C

Curve 3	R @ 25°C	5000 00
Temp	Multiplier	R nominal
-50	66.7820	333910.00
-45	47.0610	235305.00
-40	33.5668	167834.00
-35	24.2193	121096.50
-30	17.6682	88341.00
-25	13.0242	65121.00
-20	9.6976	48488.01
-15	7.2895	36447.60
-10	5.5298	27648.76
-5	4.2314	21157.19
0	3.2651	16325.49
5	2.5396	12697.82
10	1.9904	9951.82
15	1.5714	7857.02
20	1.2494	6246.89
25	1.0000	5000.00
30	0.8056	4027.98
35	0.6530	3265.10
40	0.5325	2662.52
45	0.4367	2183.44
50	0.3601	1800.49
55	0.2985	1492.54
60	0.2487	1243.54
65	0.2082	1041.16
70	0.1752	875.82
75	0.1480	740.05
80	0.1256	628.09
85	0.1071	535.28
90	0.0916	458.06
95	0.0787	393.49
100	0.0679	339.32
105	0.0587	293.65
110	0.0510	255.04
115	0.0444	222.25
120	0.0389	194.30
125	0.0341	170.41
130	0.0300	149.91
135	0.0265	132.27
140	0.0234	117.04
145	0.0208	103.85
150	0.0185	92.39