

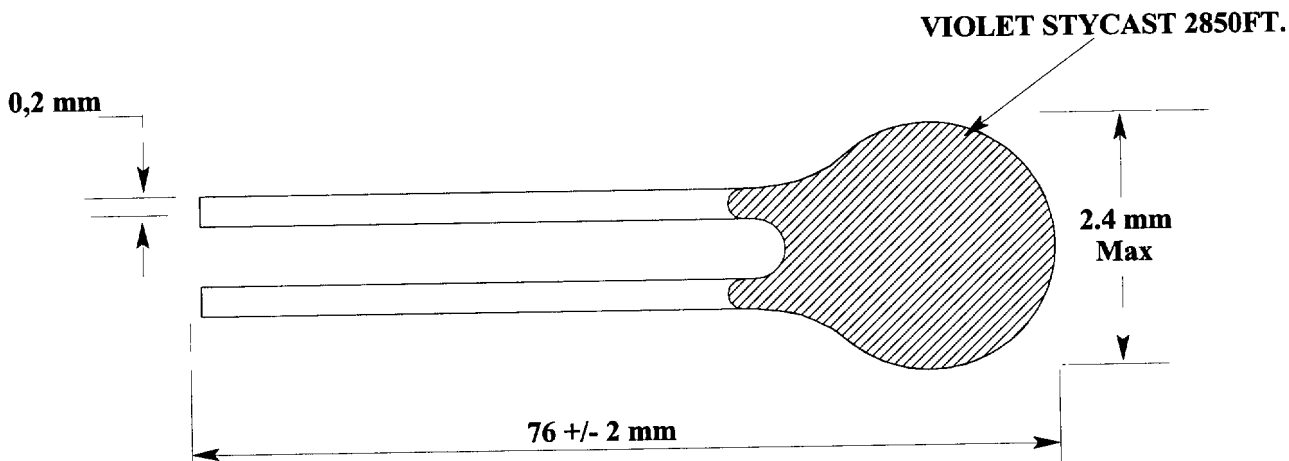
# BETATHERM DATA SHEET

BETATHERM PART NO.:100K6A1

F.E.C. NO. :151-593

DESCRIPTION:NTC THERMISTOR WITH LEAD TYPE 32 AWG ALLOY

## MECHANICAL SPECIFICATION



## ELECTRICAL SPECIFICATION

Resistance @ 25°C: 100,000 Ohms  
 Tolerance: ±0.2°C from 0°C to 70°C  
 Operating Range: -55°C to +150°C  
 Beta Value 0/50: 4143 +/- 1,0%  
 Alpha Value @ 25°C: -4.68%/°C

Curve 6	R @ 25°C:	100000
Temp °C	Multiplier	R nominal
-50	83.2610	8326096.7
-45	57.8215	5782153.3
-40	40.6390	4063896.7
-35	28.8912	2889116.7
-30	20.7648	2076480.0
-25	15.0853	1508530.1
-20	11.0625	1106253.3
-15	8.1928	819283.3
-10	6.1232	612323.3
-5	4.6167	461673.3
0	3.5102	351016.7
5	2.6904	269043.3
10	2.0782	207823.3
15	1.6170	161703.3
20	1.2673	126730.0
25	1.0000	100000.0
30	0.7943	79426.7
35	0.6349	63486.7
40	0.5106	51056.7
45	0.4130	41300.0
50	0.3360	33596.7
55	0.2748	27478.7
60	0.2259	22592.3
65	0.1867	18668.7
70	0.1550	15502.0
75	0.1293	12932.7
80	0.1084	10838.0
85	0.0912	9122.3
90	0.0771	7710.7
95	0.0654	6544.0
100	0.0558	5575.7
105	0.0477	4768.7
110	0.0409	4093.7
115	0.0353	3526.7
120	0.0305	3048.7
125	0.0264	2644.0
130	0.0230	2300.7
135	0.0201	2008.0
140	0.0176	1758.0
145	0.0154	1543.3
150	0.0136	1359.0