

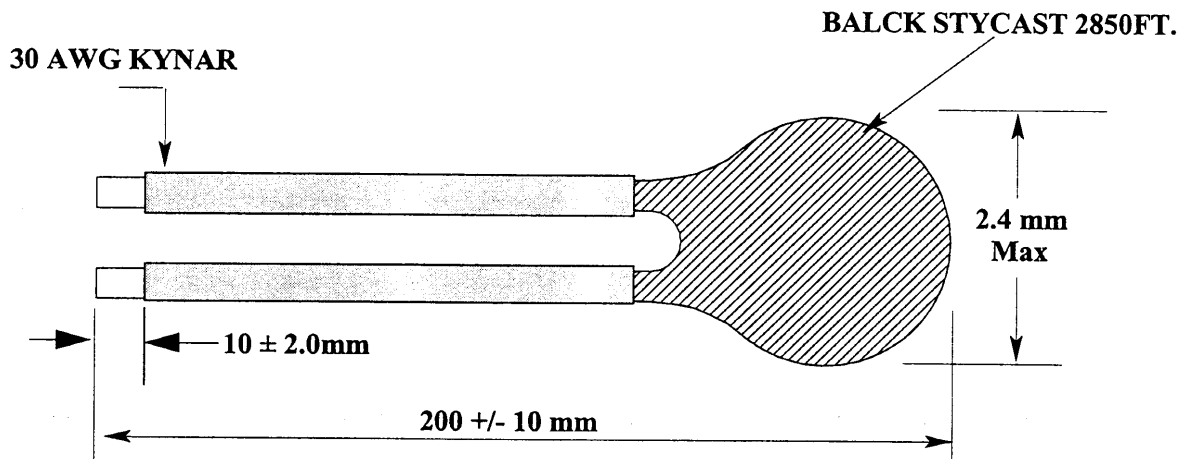
# BETATHERM DATA SHEET

BETATHERM PART NO.:100K6A372I

F.E.C. NO. :732-266

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

## 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    |