

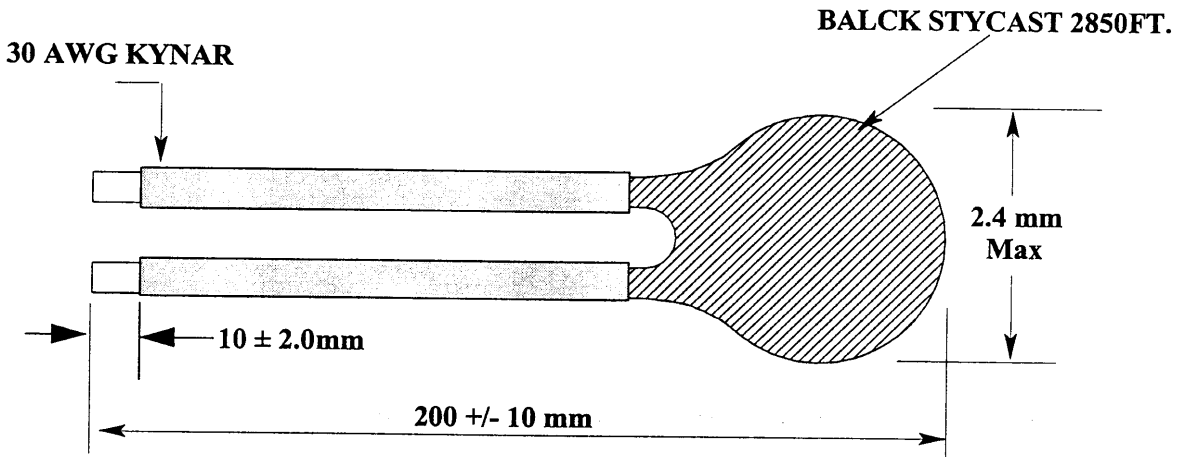
# BETATHERM DATA SHEET

BETATHERM PART NO. 5K3A373I

F.E.C. NO. :732-230

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

## MECHANICAL SPECIFICATION



## ELECTRICAL SPECIFICATION

Resistance @ 25°C: 5,000 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 : | 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     |