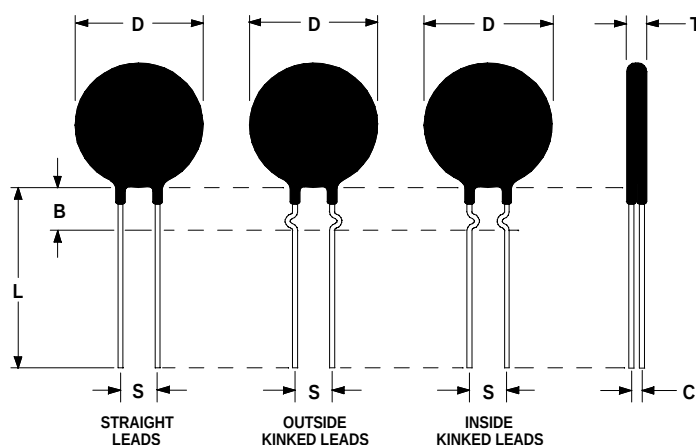


Part Number: NT03 68291



### Electrical Specifications:

|                                       |                         |
|---------------------------------------|-------------------------|
| Zero-Power Resistance @ 25°C          | 6.80 K $\Omega \pm 5\%$ |
| Resistance @ 0°C/ Resistance @ 50°C   | 9.11 $\pm 2\%$          |
| Resistance @ 25°C/ Resistance @ 125°C | 29.27 $\pm 2\%$         |
| Beta                                  | 3950 $\pm 2\%$          |
| Temp Coefficient of Resistance @ 25°C | -4.40 %/°C              |
| Operating Temperature Range           | -50°C/150°C             |
| Maximum Permissible Power             | 0.45 W                  |
| Dissipation Constant                  | 3.5mW/°C                |
| Thermal Time Constant                 | 10 seconds              |

### Mechanical Specifications:

|                |                   |
|----------------|-------------------|
| D              | 2.92 $\pm 0.4$ mm |
| T              | 2.92 $\pm 0.4$ mm |
| Lead Diameter  | 0.5 $\pm 0.2$ mm  |
| S              | 3.0 mm Nom        |
| L              | 40.0 $\pm 4.0$ mm |
| Straight Leads | Standard          |

Revision Date: March 19, 2003

**Ametherm, Inc.** 3111 N. Deer Run Road #4 Carson City, NV 89701

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## DATA SHEET

Part Number: NT03 68291

### Resistance Temperature Curve:

| Temperature | R@T/R@25°C |
|-------------|------------|
| -50         | 66.97      |
| -45         | 47.25      |
| -40         | 33.74      |
| -35         | 24.37      |
| -30         | 17.80      |
| -25         | 13.13      |
| -20         | 9.776      |
| -15         | 7.348      |
| -10         | 5.570      |
| -5          | 4.257      |
| 0           | 3.279      |
| 5           | 2.550      |
| 10          | 1.998      |
| 15          | 1.576      |
| 20          | 1.252      |
| 25          | 1.000      |
| 30          | 0.8038     |
| 35          | 0.6499     |
| 40          | 0.5282     |
| 45          | 0.4316     |
| 50          | 0.3545     |
| 55          | 0.2949     |
| 60          | 0.2465     |
| 65          | 0.2070     |
| 70          | 0.1747     |
| 75          | 0.1481     |
| 80          | 0.1261     |
| 85          | 0.1077     |
| 90          | 0.09243    |
| 95          | 0.07961    |
| 100         | 0.06881    |
| 105         | 0.05977    |
| 110         | 0.05210    |
| 115         | 0.04560    |
| 120         | 0.04005    |
| 125         | 0.03529    |
| 130         | 0.03119    |
| 135         | 0.02766    |
| 140         | 0.02460    |
| 145         | 0.02194    |
| 150         | 0.01963    |

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