

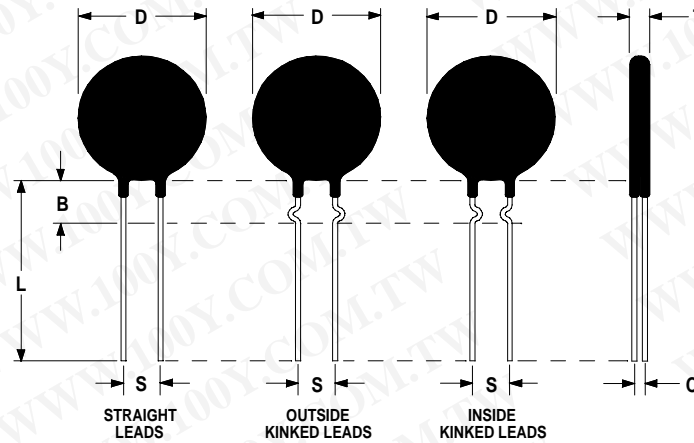


Circuit Protection Thermistors

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
Http://www.100y.com.tw

## DATA SHEET

Part Number: NT03 50169



### Electrical Specifications:

|                                       |                        |
|---------------------------------------|------------------------|
| Zero-Power Resistance @ 25°C          | 0.5K $\Omega \pm 10\%$ |
| Resistance @ 0°C/ Resistance @ 50°C   | 6.90 $\pm 2\%$         |
| Resistance @ 25°C/ Resistance @ 125°C | 19.27 $\pm 2\%$        |
| Beta                                  | 3500 $\pm 2\%$         |
| Temp Coefficient of Resistance @ 25°C | -3.83 %/°C             |
| Operating Temperature Range           | -50°C $\pm 150$ °C     |
| Maximum Permissible Power             | 0.45 W                 |
| Dissipation Constant                  | 2.90mW/°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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[www.ametherm.com](http://www.ametherm.com)

# AMETHERM

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## DATA SHEET

Part Number: NT03 50169

### Resistance Temperature Curve:

| Temperature | R@T/R@25°C |
|-------------|------------|
| -50         | 38.99      |
| -45         | 28.74      |
| -40         | 21.45      |
| -35         | 16.12      |
| -30         | 12.25      |
| -25         | 9.400      |
| -20         | 7.270      |
| -15         | 5.671      |
| -10         | 4.457      |
| -5          | 3.529      |
| 0           | 2.813      |
| 5           | 2.257      |
| 10          | 1.824      |
| 15          | 1.484      |
| 20          | 1.214      |
| 25          | 1.000      |
| 30          | 0.8282     |
| 35          | 0.6897     |
| 40          | 0.5773     |
| 45          | 0.4857     |
| 50          | 0.4105     |
| 55          | 0.3485     |
| 60          | 0.2972     |
| 65          | 0.2546     |
| 70          | 0.2189     |
| 75          | 0.1890     |
| 80          | 0.1638     |
| 85          | 0.1425     |
| 90          | 0.1244     |
| 95          | 0.1089     |
| 100         | 0.09569    |
| 105         | 0.08417    |
| 110         | 0.07428    |
| 115         | 0.06577    |
| 120         | 0.05842    |
| 125         | 0.05205    |
| 130         | 0.04651    |
| 135         | 0.04167    |
| 140         | 0.03744    |
| 145         | 0.03372    |
| 150         | 0.03045    |

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