

Part Number: NT05 15311

Ordering Different Lead Types:

| | |
|----------------------|---------------------------------------|
| Inside Kinked Leads | Use -A after Ametherm's part # |
| Outside Kinked Leads | Not Available |

For example: to order an inside kinked lead use part number NT05 15311-A



Electrical Specifications:

| | |
|---------------------------------------|-------------------------|
| Zero-Power Resistance @ 25°C | 15.0K $\Omega \pm 10\%$ |
| Resistance @ 0°C/ Resistance @ 50°C | 10.45 $\pm 1\%$ |
| Resistance @ 25°C/ Resistance @ 125°C | 38.7 $\pm 1\%$ |
| Beta | 4250 $\pm 1\%$ |
| Temp Coefficient of Resistance @ 25°C | -4.78%/°C |
| Operating Temperature Range | -50°C/ 150°C |
| Maximum Permissible Power | 0.45 W |
| Dissipation Constant | 4.5mW/°C |
| Thermal Time Constant | 10 seconds |

Mechanical Specifications:

| | |
|----------------|------------------|
| D | 5.0 ± 0.5 mm |
| T | 3.0 mm Max |
| Lead Diameter | 0.5 mm Nom |
| S | 5.0 ± 0.2 mm |
| L | 38.0 mm Min |
| Straight Leads | Standard |

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Ametherm, Inc. 3111 N. Deer Run Road #4 Carson City, NV 89701
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www.ametherm.com



DATA SHEET

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Resistance Temperature Curve:

| Temperature | R@T/R@25°C |
|-------------|------------|
| -50 | 86.49 |
| -45 | 58.59 |
| -40 | 40.70 |
| -35 | 30.44 |
| -30 | 20.73 |
| -25 | 15.65 |
| -20 | 11.03 |
| -15 | 8.513 |
| -10 | 6.119 |
| -5 | 4.763 |
| 0 | 3.510 |
| 5 | 2.748 |
| 10 | 2.078 |
| 15 | 1.630 |
| 20 | 1.267 |
| 25 | 1.000 |
| 30 | 0.7942 |
| 35 | 0.6524 |
| 40 | 0.5105 |
| 45 | 0.4243 |
| 50 | 0.3359 |
| 55 | 0.2810 |
| 60 | 0.2259 |
| 65 | 0.1907 |
| 70 | 0.1550 |
| 75 | 0.1317 |
| 80 | 0.1084 |
| 85 | 0.09268 |
| 90 | 0.07708 |
| 95 | 0.06639 |
| 100 | 0.05569 |
| 105 | 0.04265 |
| 110 | 0.04090 |
| 115 | 0.03568 |
| 120 | 0.03045 |
| 125 | 0.02671 |
| 130 | 0.02297 |
| 135 | 0.02026 |
| 140 | 0.01754 |
| 145 | 0.01555 |
| 150 | 0.01355 |

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