

Part Number: NT05 80210

### Ordering Different Lead Types:

Inside Kinked Leads	Use <b>-A</b> after Ametherm's part #
Outside Kinked Leads	Not Available

For example: to order an inside kinked lead use part number NT05 80210-A



### Electrical Specifications:

Zero-Power Resistance @ 25°C	8.0K $\Omega \pm 15\%$
Resistance @ 0°C/ Resistance @ 50°C	13.5 $\pm 1\%$
Resistance @ 25°C/ Resistance @ 125°C	55.6 $\pm 1\%$
Beta	4300 $\pm 2\%$
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	20 seconds

### Mechanical Specifications:

D	5.6 mm Max
T	5.0 mm Max
Lead Diameter	0.5 mm Nom
S	5.0 mm Nom
L	38.0 mm Min
Straight Leads	Standard

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**Ametherm, Inc.** 3111 N. Deer Run Road #4 Carson City, NV 89701  
 Telephone: (800) 808-2434 (775) 884-2434 Fax: (775) 884-0670

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## DATA SHEET

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### Resistance Temperature Curve:

Temperature	R@T/R@25°C
-50	72.50
-45	50.84
-40	36.09
-35	25.92
-30	18.82
-25	13.80
-20	10.23
-15	7.646
-10	5.767
-5	4.387
0	3.363
5	2.599
10	2.024
15	1.589
20	1.256
25	1.000
30	0.8013
35	0.6461
40	0.5241
45	0.4276
50	0.3507
55	0.2894
60	0.2400
65	0.2001
70	0.1677
75	0.1412
80	0.1194
85	0.1014
90	0.08652
95	0.07409
100	0.06370
105	0.05497
110	0.04760
115	0.04139
120	0.03610
125	0.03160
130	0.02774
135	0.02443
140	0.02158
145	0.01912
150	0.01698

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