

Part Number: NT05 10311

### 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 10311-A



### Electrical Specifications:

Zero-Power Resistance @ 25°C	10.0K $\Omega \pm 10\%$
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 $\pm 0.5$ mm
T	3.0 mm Max
Lead Diameter	0.5 mm Nom
S	2.55 $\pm 0.2$ 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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## 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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