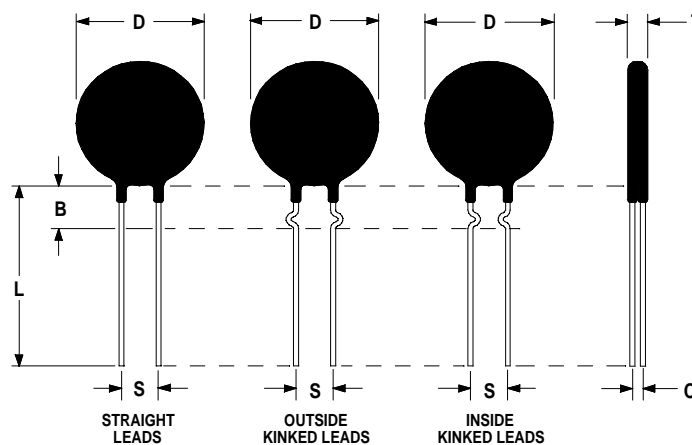


Part Number: NT05 50314

### 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 50314-A



### Electrical Specifications:

Zero-Power Resistance @ 25°C	50.0K $\Omega \pm 15\%$
Resistance @ 0°C/ Resistance @ 50°C	13.5 $\pm 1\%$
Resistance @ 25°C/ Resistance @ 125°C	55.6 $\pm 1\%$
Beta	4500 $\pm 2\%$
Temp Coefficient of Resistance @ 25°C	-5.18%/°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

Revision Date: August 12, 2002

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

Part Number: NT05 50314

### Resistance Temperature Curve:

Temperature	R@T/R@25°C
-50	139.80
-45	93.87
-40	63.29
-35	43.36
-30	30.03
-25	21.02
-20	14.87
-15	10.61
-10	7.642
-5	5.552
0	4.066
5	3.022
10	2.265
15	1.712
20	1.303
25	1.000
30	0.7726
35	0.6009
40	0.4704
45	0.3705
50	0.2936
55	0.2341
60	0.1878
65	0.1516
70	0.1231
75	0.1005
80	0.08250
85	0.06806
90	0.05642
95	0.04699
100	0.03931
105	0.03304
110	0.02790
115	0.02363
120	0.02009
125	0.01715
130	0.01469
135	0.01262
140	0.01089
145	0.009416
150	0.008170

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