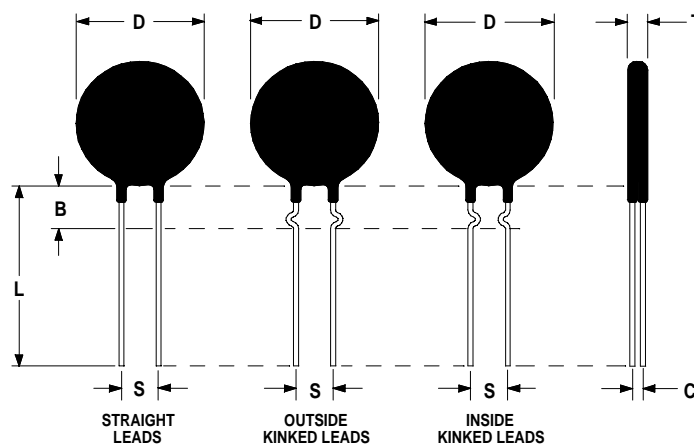


Part Number: NT05 40054

### 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 40054-A



### Electrical Specifications:

Zero-Power Resistance @ 25°C	40.0 Ω ± 10%
Resistance @ 0°C/ Resistance @ 50°C	5.6 ± 1%
Resistance @ 25°C/ Resistance @ 125°C	14.1 ± 2%
Beta	3169 ± 0.87%
Temp Coefficient of Resistance @ 25°C	-3.42%/°C
Operating Temperature Range	-50°C/ 150°C
Resistance @ Max Steady State Current	6.00 Ω
Max Steady State Current Up To 65°C	0.250 A
Max Instantaneous Energy (Joules)	3.0 J
Dissipation Constant	4.0mW/°C
Thermal Time Constant	20 seconds

### Mechanical Specifications:

D	5.5 ± 0.5 mm
T	2.7 ± 0.4 mm
Lead Diameter	0.5 mm Nom
S	6.0 mm Nom
L	38.0 mm Min
Coating Material	Flame Retarded Silicone Resin

Revision Date: March 19, 2003

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

[www.ametherm.com](http://www.ametherm.com)



## DATA SHEET

Part Number: NT05 40054

### Resistance Temperature Curve:

Temperature	R@T/R@25°C
-50	26.32
-40	15.41
-30	9.357
-20	5.870
-10	3.792
0	2.514
5	2.6908
10	2.0785
15	1.6173
20	1.2674
25	1.000
30	0.7942
35	0.6348
40	0.5105
45	0.4129
50	0.3359
55	0.2748
60	0.2259
65	0.1867
70	0.1550
75	0.1293
80	0.1084
85	0.09120
90	0.07710
95	0.06540
100	0.05570
105	0.04760
110	0.04080
115	0.03510
120	0.03030
125	0.02630
130	0.02280
135	0.01990
140	0.01730
145	0.01520
150	0.01330

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