AMETHERM
Circuit Protection Thermistors

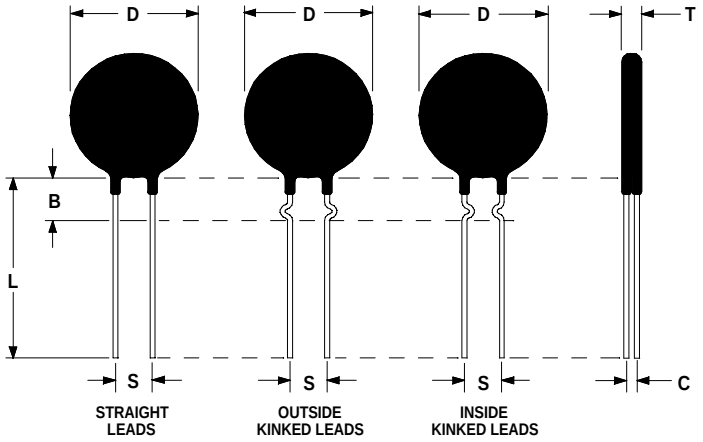
DATA SHEET

Part Number: NT05 20291

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 20291-**A**



Electrical Specifications:

Zero-Power Resistance @ 25°C	2.0K Ω ± 10%
Resistance @ 0°C/ Resistance @ 50°C	9.11 ± 2%
Resistance @ 25°C/ Resistance @ 125°C	29.27 ± 2%
Beta	3950 ± 2%
Temp Coefficient of Resistance @ 25°C	-4.40 %/ °C
Operating Temperature Range	-50°C/ 150°C
Maximum Permissible Power	0.45 W
Dissipation Constant	5.0mW/°C
Thermal Time Constant	15 seconds

Mechanical Specifications:

D	5.0 ± 0.5 mm
T	2.92 ± 0.4 mm
Lead Diameter	0.5 ± 0.2 mm
S	5.0 mm Nom
L	40.0 ± 4.0 mm
Straight Leads	Standard
B	5.0 ± 0.20 mm
C	1.7 ± 0.10 mm

Revision Date: August 09, 2002

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www.ametherm.com

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Part Number: NT05 20291

Resistance Temperature Curve:

Temperature	R@T/R@25°C
-50	66.97
-45	47.25
-40	33.74
-35	24.37
-30	17.80
-25	13.13
-20	9.776
-15	7.348
-10	5.570
-5	4.257
0	3.279
5	2.550
10	1.998
15	1.576
20	1.252
25	1.000
30	0.8038
35	0.6499
40	0.5282
45	0.4316
50	0.3545
55	0.2949
60	0.2465
65	0.2070
70	0.1747
75	0.1481
80	0.1261
85	0.1077
90	0.09243
95	0.07961
100	0.06881
105	0.05977
110	0.05210
115	0.04560
120	0.04005
125	0.03529
130	0.03119
135	0.02766
140	0.02460
145	0.02194
150	0.01963

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