AMETHERM
Circuit Protection Thermistors

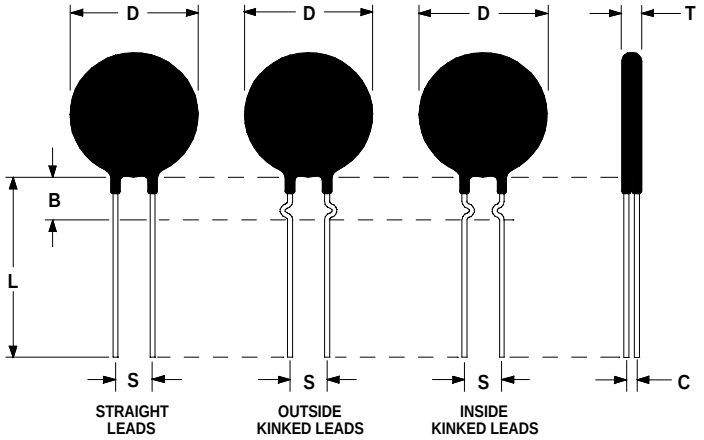
DATA SHEET

Part Number: SL05 25001

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 SL05 25001**-A**



Electrical Specifications:

Resistance @ 25°C	25.0 Ω ± 20%
Resistance @ 0°C/ Resistance @ 50°C	5.6 ± 1%
Resistance @ 25°C/ Resistance @ 125°C	14.1 ± 2%
Beta	3129 ± 0.87%
Resistance @ Max Steady State Current	0.890 Ω Nom
Max Steady State Current Up to 65°C	1.0 A
Max Recommended Energy Rating (Joules)	5.0 J
Dissipation Constant	4.0 Mw/°C
Thermal Time Constant	20.0 Second
Operating Temperature Range	-50°C ± 150°C
Temperature Coefficient of Resistance @ 25°C	-3.42%/°C

Mechanical Specifications:

D	5.0 ± 0.5 mm Max
T	2.7 ± 0.4 mm Max
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
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www.ametherm.com

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Part Number: SL05 25001

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	1.0000
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	0.9120
90	0.7710
95	0.6540
100	0.5570
105	0.4760
110	0.4080
115	0.3510
120	0.3030
125	0.2630
130	0.2280
135	0.1990
140	0.1730
145	0.1520
150	0.1330

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