

AMETHERM

Circuit Protection Thermistors

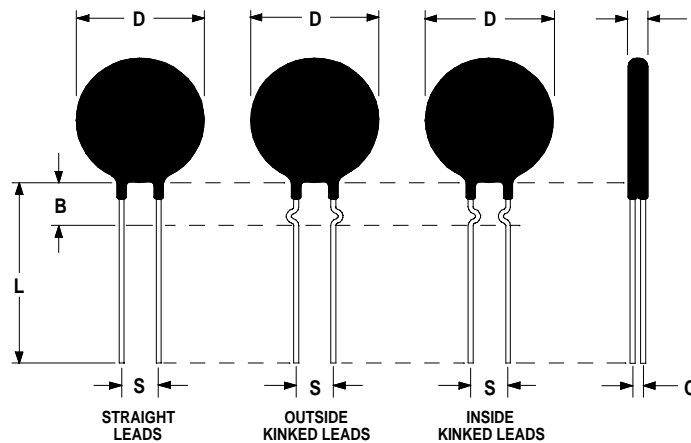
DATA SHEET

Part Number: SL05 10001

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 10001-A



Electrical Specifications:

Resistance @ 25°C	10.0 Ω ± 20%
Resistance @ 0°C/ Resistance @ 50°C	4.95 ± 1%
Resistance @ 25°C/ Resistance @ 125°C	12.8 ± 2%
Beta	2929 ± 0.87%
Resistance @ Max Steady State Current	0.4 Ω
Resistance @ 50% Steady State Current	0.8 Ω
Max Steady State Current Up to 65°C	2.0 A
Max Recommended Energy Rating (Joules)	5.0 J
Material Type	"B"
Dissipation Constant	7.0 Mw/°C
Thermal Time Constant	20.0 Second
Operating Temperature Range	-50°C ± 150°C

Mechanical Specifications:

D	5.0 ± 0.5 mm Max
T	2.5 ± 0.5 mm Max
Lead Diameter	0.5 mm Nom
S	5.1 mm Nom
L	38.0 mm Min
Straight Leads	Standard

Resistance Temperature Curve:

Temperature	R@T/R@25°C
-50 °C	23.80
-40 °C	13.73
-30 °C	8.54
-20 °C	5.370
-10 °C	3.392
0 °C	2.374

Temperature	R@T/R@25°C
25 °C	1.000
50 °C	0.4810
75 °C	0.2459
100 °C	0.1432
125 °C	0.0781

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