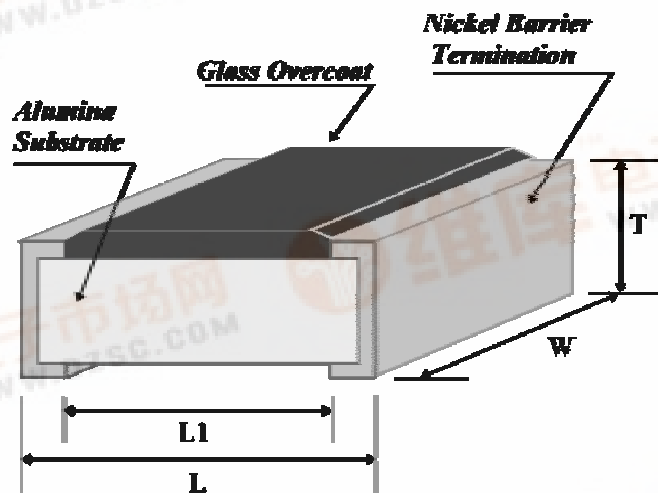


# AMETHERM

Circuit Protection Thermistors

## DATA SHEET

Part Number: SM06 104450



### Electrical Specifications:

Resistance @ 25°C	100.0K $\Omega \pm 10\%$
Beta	4500 $\pm 2\%$
Temperature Coefficient ( $\alpha$ )	-4.78% /°C
Dissipation Constant	1.50 mW /°C
Thermal Time Constant	5.0 Seconds
Maximum Continuous Power (P <sub>25</sub> )	200.0 mW
Operating Temperature	-40 °C $\approx$ +125°C
Termination	Nickel Barrier
Material Type	Curve Attached

### Mechanical Specifications:

L	1.6 $\pm$ 0.15 mm
W	0.80 $\pm$ 0.15 mm
T	0.5 $\pm$ 0.10 mm
L <sub>1</sub>	1.20 $\pm$ 0.20 mm
Tape & Reel	Per Mil Std 201 method 208
Qty/Reel	5000 pcs

Revision Date: March 19, 2003





## DATA SHEET

Part Number: SM06 104450

### Resistance Temperature Curve:

Temperature	R@T/R@25°C
-50	104.10
-45	71.21
-40	49.31
-35	34.55
-30	24.47
-25	17.52
-20	12.66
-15	9.242
-10	6.805
-5	5.053
0	3.783
5	2.855
10	2.172
15	1.665
20	1.286
25	1.000
30	0.7828
35	0.6166
40	0.4886
45	0.3895
50	0.3122
55	0.2517
60	0.2041
65	0.1663
70	0.1363
75	0.1122
80	0.0928
85	0.0771
90	0.0643
95	0.0539
100	0.0454
105	0.0383
110	0.0325
115	0.0276
120	0.0236
125	0.0202
130	0.0174
135	0.0150
140	0.0130
145	0.0113
150	0.0098