



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

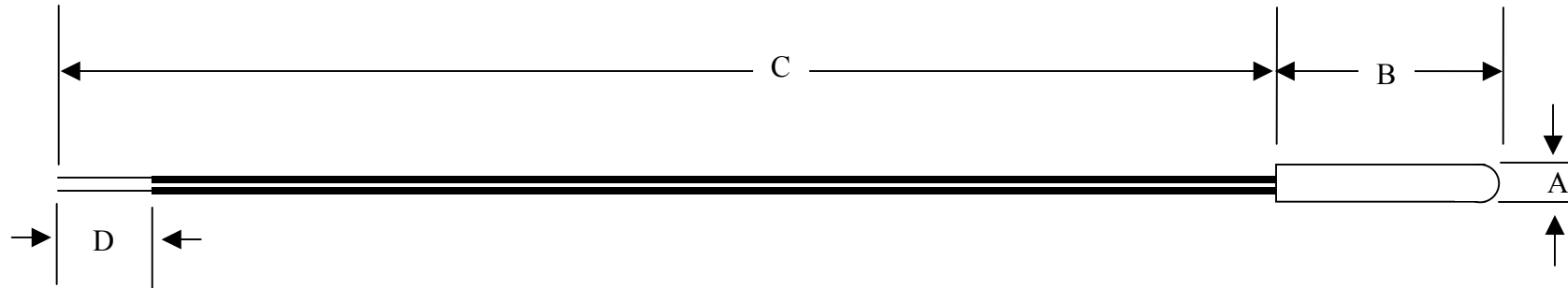
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# Part Number: PANH 104450




### Electrical Specifications:

Resistance @ 25°C	100 kΩ ±5%
Temperature Coefficient of Resistance	-4.75 % / °C
Operating Temperature Range	-50°C to +150°C
Dissipation Constant	7.2 mW / °C
Thermal Time Constant	>10 seconds
Beta	4500°K ±2%
ROHS Compliant	Yes

### Mechanical Specifications:


A	3.8mm Diameter ± 0.3 mm
B	14.5 ± 0.5 mm
C	300 ± 5 mm
D	5.0 mm Nom
Lead Diameter	0.30 mm
Lead Wire Gauge	28 AWG (Teflon Coated) tin/cu
*	Thermistor potted in stainless steel housing

Rev:	Date:	Changes Made:
0	9/22/17	Issue

DRAWN BY: C. Terry		 <b>AMETHERM</b> <i>Circuit Protection Thermistors</i>
DATE: 9/22/17	REV: 0	
ORIG. C. Terry	APPR: M SAMII	NTC THERMISTOR PROBE
SHEET 1 of 2		PANH 104450

## RESISTANCE VS. TEMPERATURE CURVE

TEMPERATURE °C	Rt / R25 NOMINAL	TEMPERATURE COEFFICIENT (% / °C)	TEMPERATURE °C	Rt / R25 NOMINAL	TEMPERATURE COEFFICIENT (% / °C)
-50	79.22	-7.21	100	0.05839	-3.11
-45	55.52	-7.02	105	0.05008	-3.04
-40	39.27	-6.83	110	0.04309	-2.97
-35	28.05	-6.64	115	0.03722	-2.90
-30	20.23	-6.45	120	0.03225	-2.83
-25	14.73	-6.26	125	0.02803	-2.77
-20	10.82	-6.07	130	0.02445	-2.71
-15	8.029	-5.88	135	0.02138	-2.65
-10	6.010	-5.70	140	0.01876	-2.59
-5	4.538	-5.53	145	0.01650	-2.53
0	3.452	-5.36	150	0.01456	-2.48
5	2.654	-5.19	155	0.01287	-2.43
10	2.056	-5.03	160	0.01142	-2.38
15	1.605	-4.88	165	0.01015	-2.33
20	1.262	-4.73	170	0.009044	-2.28
25	1.000	-4.61	175	0.008078	-2.24
30	0.7963	-4.48	180	0.007232	-2.19
35	0.6387	-4.35	185	0.006489	-2.15
40	0.5153	-4.23	190	0.005835	-2.11
45	0.4183	-4.12	195	0.005258	-2.06
50	0.3414	-4.01	200	0.004747	-2.02
55	0.2801	-3.90			
60	0.2311	-3.80			
65	0.1916	-3.70			
70	0.1596	-3.61			
75	0.1335	-3.52			
80	0.1122	-3.43			
85	0.09774	-3.35			
90	0.08031	-3.26			
95	0.06835	-3.19			

DRAWN BY: C. Terry		
DATE: 9/27/17	REV: 0	
ORIG. C. Terry	APPR: M SAMII	NTC THERMISTOR PROBE
SHEET 2 of 2		PANH 104450