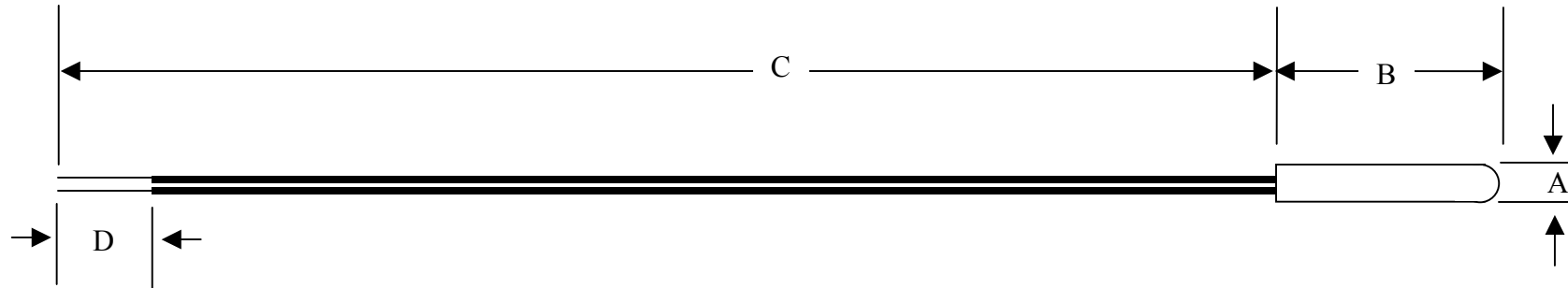


# Part Number: PANH 104450




### 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