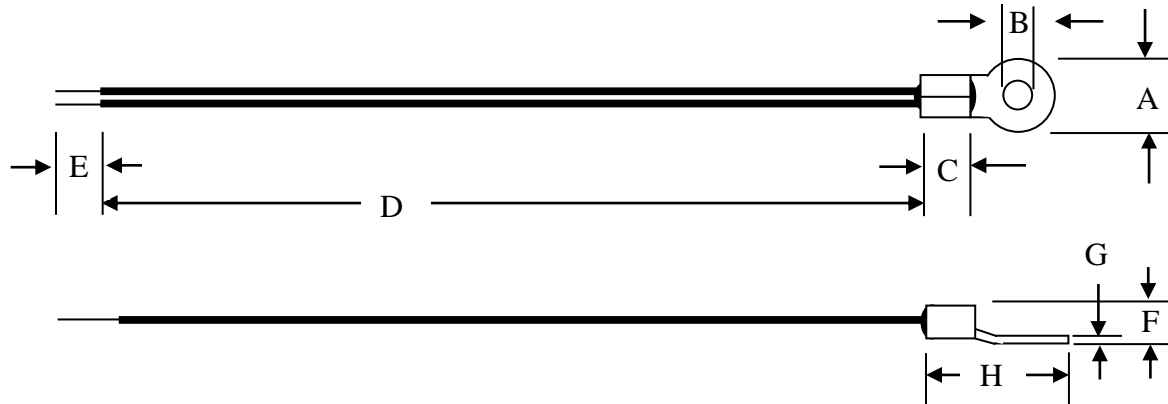


Part Number: PANR 503411




Electrical Specifications

Resistance @ 25° C	50 kΩ ±2%
Temperature Coefficient of Resistance	-4.55% / °C
Operating Temperature Range	-40 °C to 150 °C
Dissipation Constant	5 mW / °C
Thermal Time Constant	30 seconds
Beta (25/50)	4050°K ± 2 %
Dielectric Withstanding Voltage	2500 VAC
ROHS Compliant	Yes

Mechanical Specifications


A	7.2 mm ±0.5mm
B	3.7 mm ±0.2mm
C	6.0 mm ±0.5mm
D	152.4 mm ± 10.0mm
E	6.0 mm ± 1.0mm
F	6.0 mm ± 0.5mm
G	0.8 mm ± 0.1mm
H	15.7 mm ± 1.0mm
Lead Wire Gauge	26 AWG UL 4413 XLPE Stranded
Ring Lug	#6 Stud

Rev:	Date:	Change:
0	7/10/18	Issue
1	7/16/18	Update ring lug dimensions, use 28AWG wire
2	9/25/18	Change to 26 AWG

DRAWN BY: C. Terry		 AMETHERM <i>Circuit Protection Thermistors</i>
DATE: 7/10/18	REV: 2	
ORIG. C. Terry	APPR: M. Samii	NTC THERMISTOR PROBE
SHEET 1 of 2		PANR 503411

RESISTANCE VS TEMPERATURE CURVE

Temperature (°C)	Rmin (KΩ)	Rnom (KΩ)	Rmax (KΩ)	Temperature (°C)	Rmin (KΩ)	Rnom (KΩ)	Rmax (KΩ)
-40	1674.393	1770.610	1871.607	60	11.540	11.945	12.360
-35	1198.551	1263.151	1330.700	65	9.588	9.943	10.307
-30	870.751	914.726	960.538	70	8.001	8.313	8.632
-25	641.035	671.329	702.774	75	6.705	6.978	7.259
-20	477.509	498.590	520.393	80	5.642	5.882	6.129
-15	359.440	374.233	389.479	85	4.766	4.976	5.194
-10	273.107	283.559	294.293	90	4.041	4.227	4.419
-5	209.265	216.691	224.289	95	3.439	3.603	3.773
0	161.584	166.881	172.283	100	2.938	3.082	3.233
5	125.657	129.447	133.297	105	2.518	2.647	2.780
10	98.372	101.088	103.838	110	2.167	2.280	2.399
15	77.503	79.452	81.417	115	1.870	1.971	2.077
20	61.439	62.836	64.240	120	1.620	1.710	1.804
25	49.000	50.000	51.000	125	1.408	1.488	1.572
30	39.140	40.028	40.919	130	1.228	1.300	1.375
35	31.457	32.240	33.029	135	1.074	1.139	1.206
40	25.438	26.126	26.822	140	0.943	1.001	1.062
45	20.700	21.304	21.916	145	0.831	0.882	0.937
50	16.953	17.481	18.019	150	0.734	0.780	0.830
55	13.953	14.416	14.888				

DRAWN BY: C. Terry		 AMETHERM <i>Circuit Protection Thermistors</i>
DATE: 7/10/18	REV: 2	
ORIG. C. Terry	APPR: M. Samii	NTC THERMISTOR PROBE
SHEET 2 of 2		PANR 503411