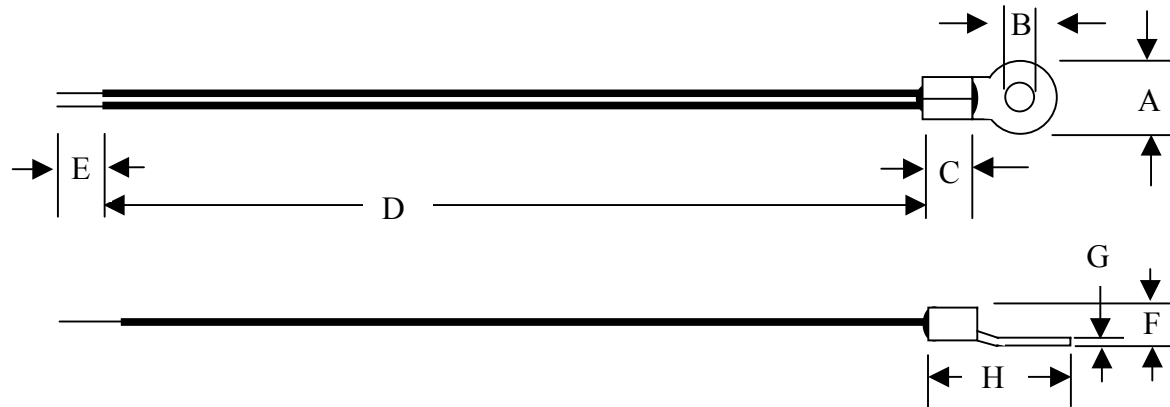


Part Number: PANR 103350-438




Electrical Specifications

Resistance @ 25°C	10kΩ ±2%
Temperature Coefficient of Resistance	-3.90% / °C
Operating Temperature Range	-40°C to 250°C
Dissipation Constant	≥ 0.5 mW / °C
Thermal Time Constant	≤ 6.5 seconds
Material Constant (Beta)	3435 °K ± 2 %
ROHS Compliant	Yes
Maximum Continuous Power	30 mW

Mechanical Specifications

A	11.9 mm ±0.2mm
B	6.73 mm ±0.13mm
C	8.3 mm ±0.2mm
D	298.0 mm ± 5.0mm
E	6.35 mm ± 0.5mm
F	7.2 mm ± 0.2mm
G	1.22 mm ± 0.1mm
H	23.70 mm ± 0.3mm
Lead Wire Gauge	18 AWG stranded Teflon Insulated
Ring Lug	¼" Stud


Rev:	Date:	Change:
0	11/15/16	Issue

DRAWN BY: C. Terry		 AMETHERM <i>Circuit Protection Thermistors</i>
DATE: 11/15/16	REV: 0	
ORIG. M.Samii	APPR: M. Samii	NTC THERMISTOR PROBE
SHEET 1 of 2		PANR 103350-438

RESISTANCE VS TEMPERATURE TABLE

Temp. (°C)	Rt / R25 Nominal	Temp. Coef (% / °C)
-40	23.818529	6.02
-35	17.720876	5.81
-30	13.319172	5.61
-25	10.107437	5.43
-20	7.740087	5.25
-15	5.978303	5.08
-10	4.655210	4.93
-5	3.652971	4.78
0	2.887539	4.61
5	2.302674	4.45
10	1.850087	4.31
15	1.497067	4.17
20	1.219622	4.03
25	1.000000	3.91
30	0.824955	3.79
35	0.684527	3.68
40	0.571165	3.57
45	0.479108	3.46
50	0.403925	3.35
55	0.342567	3.25
60	0.291930	3.15
65	0.249925	3.06
70	0.214908	2.98
75	0.185577	2.89
80	0.160897	2.82
85	0.140040	2.74
90	0.122339	2.67
95	0.107257	2.60
100	0.094356	2.52

Temp. (°C)	Rt / R25 Nominal	Temp. Coef (% / °C)
105	0.083337	2.45
110	0.073839	2.39
115	0.065624	2.33
120	0.058494	2.27
125	0.052288	2.22
130	0.046867	2.16
135	0.042119	2.11
140	0.037948	2.06
145	0.034274	2.01
150	0.031029	1.96
155	0.028158	1.92
160	0.025608	1.88
165	0.023337	1.84
170	0.021311	1.80
175	0.019499	1.76
180	0.017875	1.72
185	0.016417	1.68
190	0.015104	1.65
195	0.013920	1.62
200	0.012850	1.58
205	0.011885	1.55
210	0.011010	1.51
215	0.010214	1.49
220	0.009490	1.46
225	0.008830	1.43
230	0.008227	1.40
235	0.007675	1.38
240	0.007170	1.35
245	0.006706	1.33
250	0.006280	1.30

DRAWN BY: C. Terry		
DATE: 11/15/16	REV: 0	
ORIG. M.Samii	APPR: M. Samii	NTC THERMISTOR PROBE
SHEET 2 of 2		PANR 103350-438