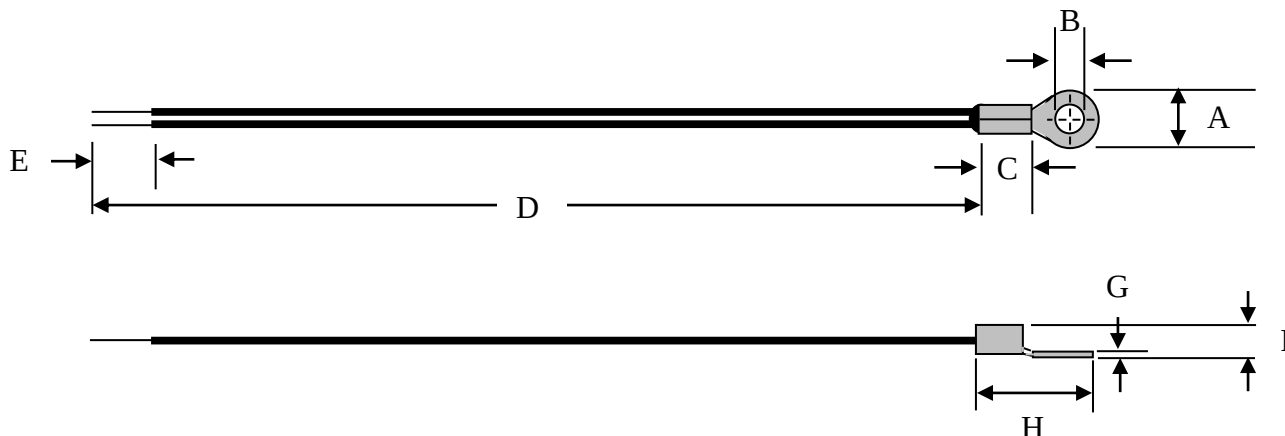




Part Number: PANR 103395-627



Electrical Specifications

Resistance @ 25° C	10 k Ω $\pm$ 5%
Isolation Voltage between Lead and Lug	2000 VAC
Operating Temperature Range	-50 °C to 150 °C
Dissipation Constant	8 mW / °C
Thermal Time Constant	10 seconds
Beta (25/85)	3950 °K $\pm$ 2%
ROHS Compliant	Yes
MSL (moisture sensitivity level)	1

Mechanical Specifications

A	9.5mm $\pm$ 0.5mm
B	4.4mm $\pm$ 0.2mm
C	6.5mm $\pm$ 0.5mm
D	152.4mm $\pm$ 10.0mm
E	5.0 mm Nom
F	5.8mm $\pm$ 1.0mm
G	1.0mm Nom
H	19.5mm $\pm$ 1.0mm
Lead Wire Gauge	28 AWG Solid, Teflon Insulated, Tinned
Ring Lug	#8 (M4) Stud

Rev:	Date:	Change:
0	3/12/20	Re-issue

DRAWN BY: C. Terry		AMETHERM Circuit Protection Thermistors
DATE: 3/12/20	REV: 0	
ORIG. C. Terry	APPR: M. Samii	NTC THERMISTOR PROBE
SHEET 1 of 2		PANR 103395-627

RESISTANCE VS TEMPERATURE CURVE

Temp. (°C)	Rnom (Ω)	Temp. (°C)	Rnom (Ω)	Temp. (°C)	Rnom (Ω)	Temp. (°C)	Rnom (Ω)	Temp. (°C)	Rnom (Ω)	Temp. (°C)	Rnom (Ω)
-40	314,471	-8	48,435	24	10,443	56	2,913	88	987.9	120	390.6
-39	294,876	-7	45,941	25	10,000	57	2,808	89	957.6	121	380.3
-38	276,619	-6	43,588	26	9,578	58	2,708	90	928.3	122	370.3
-37	259,601	-5	41,368	27	9,176	59	2,612	91	900.1	123	360.6
-36	243,731	-4	39,272	28	8,793	60	2,520	92	872.9	124	351.2
-35	228,925	-3	37,294	29	8,428	61	2,432	93	846.6	125	342.0
-34	215,105	-2	35,425	30	8,080	62	2,347	94	821.2	126	333.2
-33	202,199	-1	33,660	31	7,748	63	2,265	95	796.7	127	324.6
-32	190,143	0	31,992	32	7,432	64	2,187	96	773.1	128	316.3
-31	178,876	1	30,433	33	7,130	65	2,111	97	750.2	129	308.2
-30	168,341	2	28,959	34	6,842	66	2,039	98	728.1	130	300.4
-29	158,487	3	27,566	35	6,567	67	1,970	99	706.8	131	292.8
-28	149,267	4	26,247	36	6,305	68	1,903	100	686.2	132	285.4
-27	140,635	5	24,999	37	6,054	69	1,839	101	666.2	133	278.3
-26	132,551	6	23,817	38	5,814	70	1,777	102	647.0	134	271.3
-25	124,977	7	22,698	39	5,586	71	1,717	103	628.4	135	264.6
-24	117,879	8	21,637	40	5,367	72	1,660	104	610.4	136	258.0
-23	111,224	9	20,632	41	5,158	73	1,605	105	593.0	137	251.7
-22	104,981	10	19,679	42	4,958	74	1,553	106	576.2	138	245.5
-21	99,123	11	18,776	43	4,767	75	1,502	107	560.0	139	239.5
-20	93,625	12	17,919	44	4,584	76	1,453	108	544.2	140	233.7
-19	88,462	13	17,106	45	4,409	77	1,406	109	529.0	141	228.0
-18	83,612	14	16,334	46	4,242	78	1,360	110	514.3	142	222.5
-17	79,054	15	15,601	47	4,082	79	1,316	111	500.1	143	217.1
-16	74,770	16	14,905	48	3,928	80	1,274	112	486.3	144	212.0
-15	70,741	17	14,244	49	3,782	81	1,234	113	472.9	145	206.9
-14	66,951	18	13,616	50	3,641	82	1,195	114	460.0	146	202.0
-13	63,385	19	13,018	51	3,506	83	1,157	115	447.5	147	197.2
-12	60,027	20	12,451	52	3,377	84	1,121	116	435.4	148	192.6
-11	56,865	21	11,911	53	3,254	85	1,086	117	423.7	149	188.1
-10	53,887	22	11,397	54	3,135	86	1,052	118	412.3	150	183.7
-9	51,081	23	10,908	55	3,022	87	1,019	119	401.3		

DRAWN BY: C. Terry

DATE: 3/12/20

REV: 0

ORIG. C. Terry

APPR: M. Samii

SHEET 2 of 2

AMETHERM
Circuit Protection Thermistors

NTC THERMISTOR PROBE

PANR 103395-627