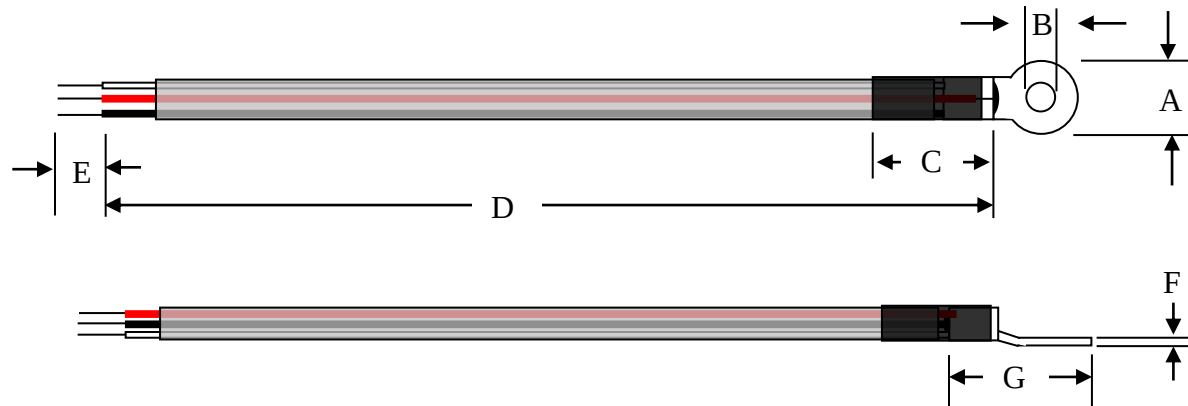


Part Number: TVNR 103395-789



Electrical Specifications

Resistance @ 25° C	10 kΩ ±2%
Temperature Coefficient of Resistance	-4.4% / °C
Operating Temperature Range	-40 °C to 100 °C
Dissipation Constant	3 mW / °C
Thermal Time Constant	10 seconds
Beta (25/50)	3950 °K ± 1 %
Dielectric Withstanding Voltage	3,000 VAC for 1 minute
ROHS Compliant	Yes
MSL (moisture sensitivity level)	1

Mechanical Specifications

A	9.5mm ±0.2mm
B	4.3mm ±0.1mm
C	15.0mm ±1.0mm
D	304.8mm ±10.0mm
E	6.0mm Nom
F	1.0mm ±0.2mm
G	18.2mm ±0.5mm
Lead Wire Gauge	22AWG, UL2576, 3 Wire Conductor, PVC Jacket, Black/White wires, NTC; Red wire, Voltage sense
Ring Lug	#8 (M4) Stud

Rev:	Date:	Change:
0	11/15/23	Issue

DRAWN BY: C. Terry		AMETHERM <i>Circuit Protection Thermistors</i>
DATE: 11/15/23	REV: 0	
ORIG. C. Terry	APPR: M. Samii	THERMIVOLT NTC PROBE
SHEET 1 of 2		TVNR 103395-789

RESISTANCE VS TEMPERATURE CURVE

Temperature (°C)	Rmin (KΩ)	Rnom (KΩ)	Rmax (KΩ)	Temperature (°C)	Rmin (KΩ)	Rnom (KΩ)	Rmax (KΩ)
-40	270.943	285.900	301.562	60	2.396	2.479	2.564
-35	199.982	210.375	221.220	65	2.004	2.077	2.152
-30	150.069	157.411	165.046	70	1.684	1.748	1.815
-25	113.882	119.121	124.552	75	1.422	1.479	1.537
-20	87.092	90.852	94.737	80	1.206	1.256	1.308
-15	66.980	69.687	72.474	85	1.027	1.072	1.118
-10	51.748	53.700	55.702	90	0.878	0.918	0.959
-5	40.148	41.555	42.994	95	0.754	0.789	0.825
0	31.283	32.298	33.332	100	0.649	0.681	0.713
5	24.548	25.283	26.029	105	0.561	0.588	0.617
10	19.353	19.884	20.421	110	0.486	0.511	0.536
15	15.337	15.721	16.108	115	0.422	0.445	0.468
20	12.223	12.501	12.779	120	0.369	0.389	0.410
25	9.800	10.000	10.200	125	0.323	0.341	0.360
30	7.871	8.049	8.228	130	0.284	0.300	0.317
35	6.360	6.518	6.677	135	0.251	0.266	0.281
40	5.172	5.311	5.451	140	0.222	0.235	0.249
45	4.230	4.353	4.477	145	0.197	0.209	0.222
50	3.481	3.588	3.698	150	0.176	0.187	0.198
55	2.880	2.975	3.071				

DRAWN BY: C. Terry

DATE: 11/15/23

REV: 0

ORIG. C. Terry

APPR: M. Samii

SHEET 2 of 2

AMETHERM
Circuit Protection Thermistors

THERMIVOLT NTC PROBE

TVNR 103395-789