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\* INDICATES A SPECIAL CHARACTERISTIC

Rev No / ZONE

Date

Change

ECN

\*\* INDICATES A SAFETY CHARACTERISTIC



18.06.25

NEW SLEEVE, CABLE TIE, TERMINAL AND CONNECTOR ADDED

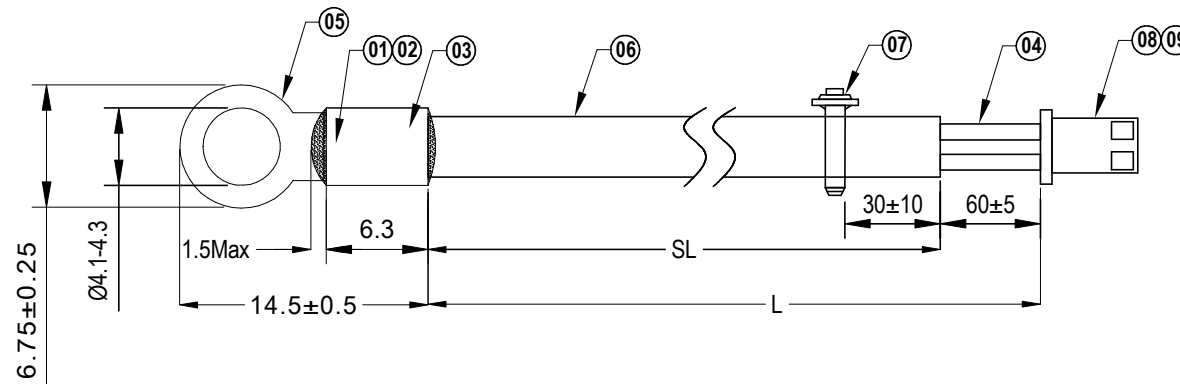
\*\*\* INDICATES COMPLIANCE CHARACTERISTIC

## RT CHART

Sl. No.	THERMOSEN PART NO	WIRE LENGTH (L)	SLEEVE LENGTH (SL)
1	TANR-10705 L201	200±20	140±10
2	TANR-10705 L301	300±20	240±10



Temp (°C)	R max (kΩ)	R nom (kΩ)	R min (kΩ)	Temp (°C)	R max (kΩ)	R nom (kΩ)	R min (kΩ)
-40	3639.889	3478.189	3323.340	60	25.183	24.586	24.001
-35	2599.954	2492.743	2389.714	65	21.073	20.536	20.012
-30	1880.179	1808.443	1739.270	70	17.712	17.231	16.761
-25	1375.543	1327.161	1280.352	75	14.950	14.519	14.099
-20	1017.420	984.569	952.684	80	12.671	12.285	11.910
-15	760.344	737.919	716.083	85	10.782	10.437	10.101
-10	573.794	558.425	543.414	90	9.209	8.900	8.600
-5	437.029	426.471	416.127	95	7.894	7.618	7.350
0	335.784	328.528	321.397	100	6.791	6.543	6.303
5	260.141	255.164	250.257	105	5.862	5.640	5.425
10	203.130	199.732	196.371	110	5.077	4.877	4.684
15	159.803	157.503	155.222	115	4.410	4.231	4.058
20	126.614	125.080	123.553	120	3.843	3.681	3.526
25	101.000	100.000	99.000	125	3.359	3.213	3.073
30	81.442	80.460	79.483	130	2.944	2.812	2.686
35	66.068	65.134	64.207	135	2.587	2.468	2.355
40	53.906	53.035	52.173	140	2.280	2.172	2.070
45	44.226	43.424	42.633	145	2.014	1.917	1.824
50	36.475	35.744	35.025	150	1.784	1.696	1.612
55	30.235	29.573	28.923				

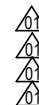


## ELECTRICAL SPECIFICATIONS:

- RESISTANCE @ 25°C : 100 kΩ ± 1.0 % \*
- β- VALUE (25/50)°C : 3965K ± 1.0 %
- INSULATION RESISTANCE : A MINIMUM OF 100 MΩ @ 500 VDC ON METALLIC BALLS. \*\*
- VOLTAGE BREAKDOWN STRENGTH : 1500 VAC FOR 3 SEC, LEAKAGE CURRENT 1mA MAX. \*\*

## NOTE:

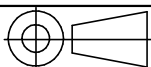
- OPERATING TEMPERATURE RANGE : -40°C TO +150°C \*\*
- STORAGE TEMPERATURE : -40°C TO +85°C



9	RMT-1040-C-WH	CONNECTOR (HP2502J-2Y)
8	RMT-1040-T	TERMINAL (TP2502J-3)
7	TBD	FIBER GLASS SLEEVE DIA 1.5MM
6	RMN-1001-A	CABLE TIE
5	RMH-1020M-F	NICKEL PLATED BRASS M4 LUG
4	RMW-1122	26 AWG TPC FEP BLACK CABLE UL11188
3	RMR-1001-X	EPOXY RESIN
2	RMR-1016-X	EPOXY RESIN
1	RMC-1008-P	NTC THERMISTOR
S. No.	TST PART NO.	MATERIAL DESCRIPTION

## MATERIAL PART LIST

PROJECTION



SCALE

UNITS

SHEET

PART NO.:

TANR-10705 LXXX

# THERMOSEN

# TECHNOLOGIES PVT. LTD.

TOLERANCES UNLESS SPECIFIED	x.xxx	0.05	OVER	6	30	120	315	1000	2000	ANGLE (°)
	x.xx	0.10	UP TO	30	120	315	1000	2000	-	RIGHT 1.0
	x.x	0.25	±	2.0	3.0	5.0	10.0	20.0	50.0	OTHER 1.5

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PART NAME:

THERMISTOR SENSOR ASSEMBLY

DRAWING NO:

PD-25051602

18.06.25

D2

DV

SN

SJ

16.05.25

D1

DV

SN

SJ

DATE

ISS

DRN

CHD

APD

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