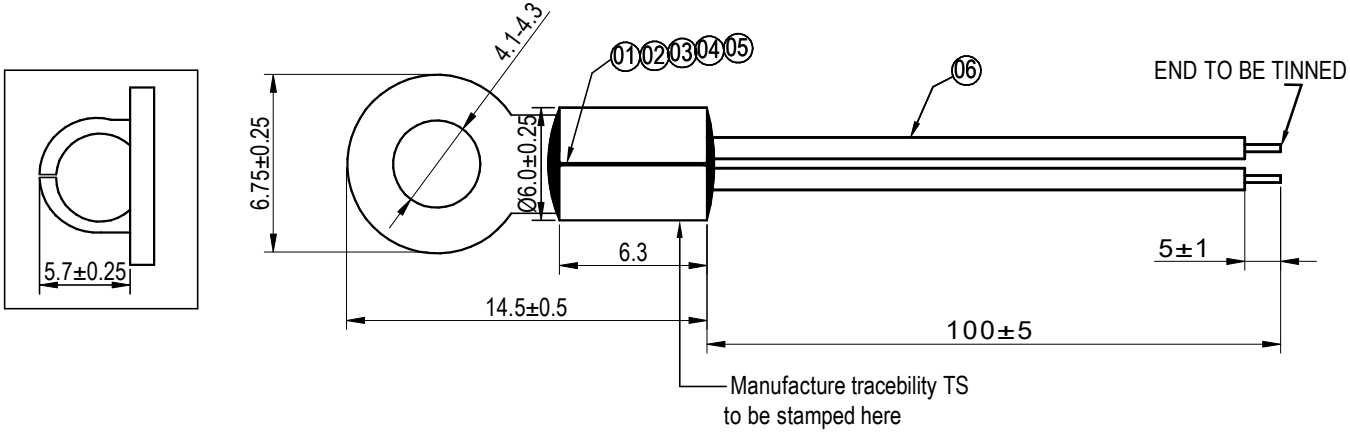
* INDICATES A FUNCTION / SAFETY / COMPLIANCE CHARACTERISTIC	Rev No / ZONE	Date	Change	ECN



CHARACTERISTICS
RESISTANCE vs TEMPERATURE

TEMP (°C)	RESISTANCE in OHM
	NOM
-40.0	333563.0
-35.0	241072.0
-30.0	176081.0
-25.0	129925.0
-20.0	96807.0
-15.0	72809.0
-10.0	55253.0
-5.0	42292.0
0.0	32640.0
5.0	25390.0
10.0	19901.0
15.0	15713.0
20.0	12490.0
25.0	10000.0
30.0	8057.0
35.0	6532.0
40.0	5327.0
45.0	4364.0
50.0	3598.0
55.0	2980.0
60.0	2484.0
65.0	2080.0
70.0	1750.0
75.0	1476.0
80.0	1253.0
85.0	1070.0
90.0	916.5
95.0	787.7
100.0	679.7
105.0	588.3

ELECTRICAL SPECIFICATIONS:

1. RESISTANCE @ 25°C : 10.0 KΩ ± 2.0 %
2. ß- VALUE (25/85)°C : 3977K ± 1.0 %
3. INSULATION RESISTANCE : A MINIMUM OF 100 M Ω @ 500 VOLTS DC
4. VOLTAGE BREAKDOWN STRENGTH : MIN 1500 VAC FOR 3SEC BETWEEN CONDUCTOR AND EYELET (LEAKAGE CURRENT 1mA)

NOTE:
1. OPERATING TEMPERATURE RANGE : -40°C TO +135°C
2. STORAGE TEMPERATURE : -40°C TO 85°C
3. RESPONSE TIME : Max. 7.0 SEC. IN WATER

4. LOW TEMPERATURE TEST : WITH STAND -40°C, 100 HOUR. RESISTANCE DRIFT TO BE LESS THAN 1%, AND INSULATION RESISTANCE TO BE GREATER THAN 100 MΩ AT 500VDC.

5. HIGH TEMPERATURE TEST : WITH STAND +125°C, 100 HOUR. RESISTANCE DRIFT TO BE LESS THAN 1%, AND INSULATION RESISTANCE TO BE GREATER THAN 100 MΩ AT 500VDC.

Sl. No.	TST PART No.	MATERIAL DESCRIPTION
06	RMW-1014-BL	26 AWG BLUE PTFE INSULATED WIRE
05	RMH-1020M-F	NICKEL PLATED BRASS EYLET M4.0
04	RMR-1001-X / RMR-1016-X	RESIN
03	RMR-1016-X	RESIN
02	RMR-1003-X	RESIN
01	RMC-1004J/L	NTC CHIP

MATERIAL PART LIST

THERMOSEN TECHNOLOGIES PVT. LTD.

PROJECTION

SCALE	UNITS	SHEET
NTS	mm	1 OF 1

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 NO.: TANRAL-103R2B3977M40 L101-BL

PART NAME: THERMISTOR SENSOR

DRAWING NO: PD- 21060401

DATE	ISS	DRN	CHD	APD
06.04.21	1	BT	--	SJ