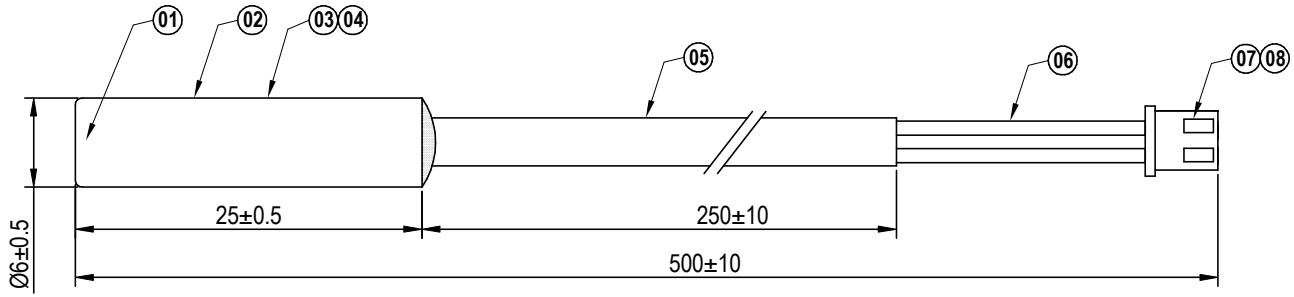
* INDICATES A SPECIAL CHARACTERISTIC	Rev No / ZONE	Date	Change	ECN
** INDICATES A SAFETY CHARACTERISTIC				
*** INDICATES COMPLIANCE CHARACTERISTIC				



ELECTRICAL SPECIFICATIONS:

1. ZERO POWER RESISTANCE @ 25°C : 10kΩ ± 1% *
2. β- VALUE (25/50°C) : 3950K ± 1%
3. INSULATION RESISTANCE : Min 100MΩ AT 500V DC BETWEEN HOUSING AND CONDUCTOR (AT AMBIENT TEMPERATURE). **
4. VOLTAGE BREAKDOWN STRENGTH : SENSOR HAS TO WITHSTAND 1500V AC BETWEEN HOUSING AND CONDUCTOR FOR 3 SECONDS WITH LEAKAGE CURRENT LESS THAN 1mA (AT AMBIENT TEMPERATURE). **

NOTE:
1. OPERATING TEMPERATURE RANGE : -40 TO +80°C **
2. STORAGE TEMPERATURE : -40 TO +80°C

SL. No.	TST PART NO.	MATERIAL DESCRIPTION
8	RMT-1040-C-WH	CONNECTOR (ZUCH HP-2502J-2Y) WHITE
7	RMT-1040-T	TERMINAL (ZUCH TP2502J-3)
6	RMW-1122	26 AWG TPC FEP BLACK CABLE UL11188
5	RMS-1068	HS SLEEVE Ø2 mm
4	RMS-1083	Ø2.4 mm ADHESIVE SLEEVE
3	RMR-1030-X	EPOXY RESIN
2	RMH-1133M-A	NICKEL PLATED COPPER HOUSING 6*25
1	TNT-G-10500 103R1B3950F	GLASS THERMISTOR

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.: TNA-M-10694

PART NAME: THERMISTOR SENSOR ASSEMBLY

DRAWING NO: PD-25052801

DATE	ISS	DRN	CHD	APD
28.05.2025	D1	DV	SN	SJ