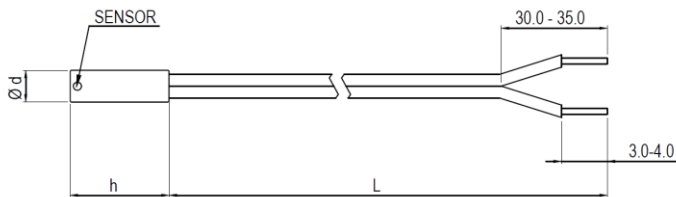


**Description:** NTC Thermistor assembled with 26AWG UL2651 Black cable and encapsulated with special epoxy for moisture protection inside the metal housing.



PARAMETER	VALUE	UNIT
Resistance at 25°C	1-100	KΩ
Resistance Tolerance	±1 to ±5	%
Beta Value (25/85)°C	3274 to 4252	K
Beta Tolerance	1 TO 2	%
Insulation Resistance	100	MΩ
Isolation Strength	500	Vac
Response Time (Max)	6	Sec
Length	100-1000	mm
Storage Temperature	-40 to 85	°C
Operating temperature	-40 to +105	°C

### FEATURES

- High Stability & reliability
- Rugged construction
- Flame Resistant and Retardant
- Fast response
- High measuring accuracy
- High adhesion strength between PVC wire and encapsulation coating
- Economical Pricing
- Complaint to RoHS Directive 2015/863/EU.

### APPLICATIONS

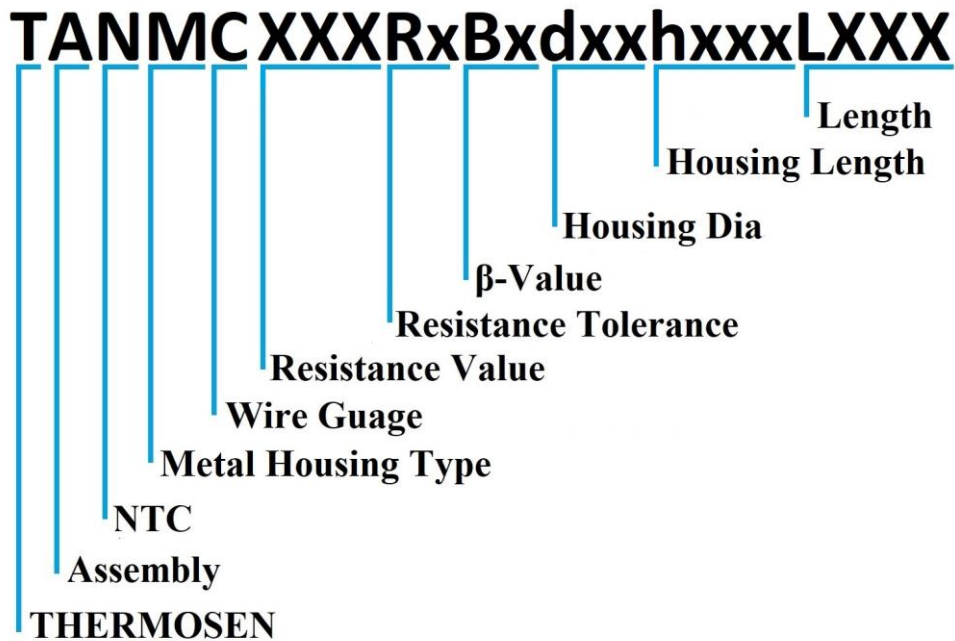
- Temperature measurement, sensing and control in remote locations for various environmental conditions such as;
  - ✓ HVAC applications: to measure the temperature of the evaporator and the conditioned interior.
  - ✓ Medical devices such as medical refrigerator that measure air flow and air temperature.
  - ✓ Used in automotive applications to monitor and control air conditioning and seat warming for passenger cabins.
  - ✓ Monitor and control blade temperatures to allow turbines automated on/off controls to respond quickly.
- Temperature sensing and control for battery packs, heat sinks, etc.
- Not intended for fluid immersed applications

## Part List:

❖ ORDERING NUMBER	R25 (kΩ)	R25-TOL (± %)	B25/85 (K)	B25/85-TOL (± %)	Curve Type (Refer R-T Chart)	DESCRIPTION
TANMC-102Rx BGdxhxxxLXXX	1	2,3,5	3550	2	G	NTC Thermistor 01KΩ B3550 With Metal housing Lead Length 150mm to 1000mm
TANMC-102Rx BRdxhxxxLXXX	1	2,3,5	3995	1	R	NTC Thermistor 01KΩ B3995 With Metal housing Lead Length 150mm to 1000mm
TANMC-202Rx BEdxhxxxLXXX	2	2, 3, 5	3540	1	E	NTC Thermistor 02KΩ B3540 With Metal housing Lead Length 150mm to 1000mm
TANMC-302Rx BDdxhxxxLXXX	3	2, 3, 5	3977	1	D	NTC Thermistor 03KΩ B3977 With Metal housing Lead Length 150mm to 1000mm
TANMC-472Rx BDdxhxxxLXXX	4.7	1,2, 3, 5	3977	1	D	NTC Thermistor 4.7KΩ B3977 With Metal housing Lead Length 150mm to 1000mm
TANMC-502Rx B3dxhxxxLXXX	5	2, 3, 5	3274	1	3	NTC Thermistor 05KΩ B3274 With Metal housing Lead Length 150mm to 1000mm
TANMC-502Rx BCdxhxxxLXXX	5	2, 3, 5	3435	1	C	NTC Thermistor 05KΩ B3435 With Metal housing Lead Length 150mm to 1000mm
TANMC-502Rx BDdxhxxxLXXX	5	1,2, 3, 5	3977	1	D	NTC Thermistor 05KΩ B3977 With Metal housing Lead Length 150mm to 1000mm
TANMC-103Rx BCdxhxxxLXXX	10	1,2, 3, 5	3435	1	D	NTC Thermistor 10 KΩ B3435 With Metal housing Lead Length 150mm to 1000mm
TANMC-103Rx BUdxhxxxLXXX	10	2, 3, 5	3450	2	U	NTC Thermistor 10 KΩ B3450 With Metal housing Lead Length 150mm to 1000mm
TANMC-103Rx BAdxhxxxLXXX	10	1,2, 3, 5	3650	2	A	NTC Thermistor 10KΩ B3650 With Metal housing Lead Length 150mm to 1000mm
TANMC-103Rx BZdxhxxxLXXX	10	1,2, 3, 5	3790	2	Z	NTC Thermistor 10KΩ B3790 With Metal housing Lead Length 150mm to 1000mm
TANMC-103Rx BJdxhxxxLXXX	10	1,2, 3, 5	3950	1	J	NTC Thermistor 10KΩ B3950 With Metal housing Lead Length 150mm to 1000mm
TANMC-103Rx BDdxhxxxLXXX	10	1,2, 3, 5	3977	1	D	NTC Thermistor 10 KΩ B3977 With Metal housing Lead Length 150mm to 1000mm
TANMC-103Rx BVdxhxxxLXXX	10	2, 3, 5	4150	2	2	NTC Thermistor 10KΩ B4150 With Metal housing Lead Length 150mm to 1000mm
TANMC-153Rx BJdxhxxxLXXX	15	1,2, 3, 5	3950	1	J	NTC Thermistor 15KΩ B3950 With Metal housing Lead Length 150mm to 1000mm
TANMC-203Rx BUdxhxxxLXXX	20	2, 3, 5	3450	2	U	NTC Thermistor 20KΩ B3450 With Metal housing Lead Length 150mm to 1000mm
TANMC-203Rx BJdxhxxxLXXX	20	2, 3, 5	3950	2	J	NTC Thermistor 20KΩ B3950 With Metal housing Lead Length 150mm to 1000mm
TANMC-503Rx BJDdxhxxxLXXX	50	2, 3, 5	3950	2	J	NTC Thermistor 50KΩ B3950 With Metal housing Lead Length 150mm to 1000mm
TANMC-104Rx BJdxhxxxLXXX	100	2, 3, 5	3950	2	J	NTC Thermistor 100KΩ B3950 With Metal housing Lead Length 150mm to 1000mm
TANMC-104Rx BXdxhxxxLXXX	100	2, 3, 5	4060	2	X	NTC Thermistor 100KΩ B4060 With Metal housing Lead Length 150mm to 1000mm
TANMC-104Rx BFdxhxxxLXXX	100	1,2, 3, 5	4252	1	F	NTC Thermistor 100KΩ B4252 With Metal housing Lead Length 150mm to 1000mm

- ❖ Rx- Resistance Tolerance to be selected from the tolerance chart. (D for 0.5%)
- ❖ dx- Housing Dia (d06 for 6mm, d08 for 8mm)
- ❖ hxxx-Housing Length (h250=25mm, h101=100mm)
- ❖ LXXX-wire length (L101 =100mm, L102=1000mm)

Part Number System:



LXXX : Length (Eg: **L100** for 10mm( $10 \times 10^0$ ), **L101** for 100mm( $10 \times 10^1$ ))

hxxx : Housing Length(Eg: **h250** for 25mm( $25 \times 10^0$ ), **h101** for 100mm( $10 \times 10^1$ ))

dxx : Housing dia. (Eg: d06 for 6 mm, d08 for 8 mm)

Bx : β-Value (Eg: BA-3645, BB-3802, BC-3435, BD-3977, etc.)  
Refer part list for more details

Rx : Resistance Tolerance (Eg: R1 for 1%, R2 for 2%, etc.)  
Refer part list for more details

XXX : Resistance Value (Eg: **103** for 10kΩ ( $10 \times 10^3$ ), **104** for 100kΩ ( $10 \times 10^4$ ))

Wire Gauge (A-22AWG, B-24AWG, C-26AWG, D-28AWG, E-30AWG)

**CUSTOM DESIGN & SUPPORT:**

- Other resistance curve & tolerance are available on request
- End wire stripped and Tinned or with connector assembly.
- Part can be supplied with customised connectors

**PACKING:**

- Bulk layer packing
- 100 in poly bag
- Custom packing solution will be provided.

Consult Thermosen Technologies Pvt. Ltd. for custom product requirement