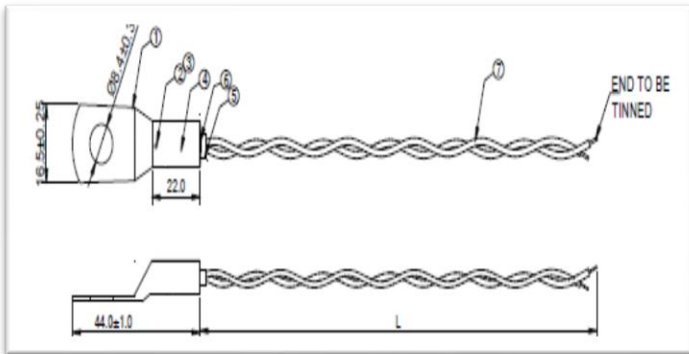


Description: NTC thermistor with UL rated twisted AWG 24 stranded tinned copper leads with XLPE insulation and mounted in a tin-plated copper ring lug with a middle buffer layer of Epoxy.



| PARAMETER | VALUE | UNIT |
|-------------------------------|----------------|---------|
| Resistance at 25°C | 1-100 | KΩ |
| Resistance Tolerance | ±1 to ±5 | % |
| Beta Value (25/85)°C | 3977/3435/4252 | K |
| Beta Tolerance | 1 | % |
| Insulation Resistance | 100 | MΩ |
| Isolation Strength / duration | 5000 /3 | Vac/sec |
| Response Time | 25 | sec |
| Storage Temperature | -20 to +85 | °C |
| Operating temperature | -20 to +125 | °C |

FEATURES

- Easy mounting using ring lug terminal
- Rugged construction
- Complaint to RoHS Directive 2011/65/EC.

APPLICATIONS

- Suitable for surface sensing application, especially when a good electrical insulation and good thermal contact with the chassis is required.
- For accurate surface temperature sensing and control in Power electronics – heat-sink temperature control.
- Surface temperature sensing temperature sensing and control in Consumer appliances
- Surface temperature sensing temperature sensing and control in Industrial equipment
- Surface temperature monitoring in building management devises (ELCB)
- Surface temperature sensing temperature sensing and control in battery temperature monitoring

THERMOSEN Technologies Pvt Ltd.

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OFF HOSUR ROAD, BANGALOR-560068, KARNATAKA, INDIA

PHONE :080-41106383

EMAIL: ThermosenTech@gmail.com WEBSITE: www.thermosen.com

ELECTRICAL DATA AND ORDERING INFORMATION

| ORDERING NUMBER | R25 (Ω) | R25-TOL (\pm %) | B25/85 (K) | B25/85 - TOL (\pm %) | DESCRIPTION |
|---------------------|------------------|--------------------|------------|-------------------------|---|
| TANRN-502RxBDM8Lxxx | 5000 | 1,2,3,5 | 3977 | 1 | NTC Thermistor Lug 05K Ω B3977 M 8 Lug Lead Length 50mm to 500mm |
| TANRN-103RxBDM8Lxxx | 10,000 | 0.5,1,2,3,5 | 3977 | 1 | NTC Thermistor Lug 10K Ω B3977 M 8 Lug Lead Length 50mm to 500mm |
| TANRN-103RxBCM8Lxxx | 10,000 | 1,2,3,5 | 3435 | 1 | NTC Thermistor Lug 10K Ω B3435 M 8 Lug Lead Length 50mm to 500mm |
| TANRN-203RxBDM8Lxxx | 20,000 | 1,2,3,5 | 3977 | 1 | NTC Thermistor Lug 20K Ω B3977 M 8 Lug Lead Length 50mm to 500mm |
| TANRN-503RxBFM8Lxxx | 50,000 | 1,2,3,5 | 4252 | 1 | NTC Thermistor Lug 50K Ω B4252 M 8 Lug Lead Length 50mm to 500mm |
| TANRN-104RxBFM8Lxxx | 100,000 | 0.5,1,2,3,5 | 4252 | 1 | NTC Thermistor Lug 100K Ω B4252 M 8 Lug Lead Length 50mm to 500mm |

- ❖ Rx- Resistance Tolerance to be selected from the tolerance chart. (D for 0.5%)
- ❖ LXXX-wire length, (101 =100mm,102=1000mm)

Reliability Data:

| TEST | TEST CONDITION | Test Result |
|--|--|--|
| Tensile Strength (be-tween leads and terminal) | Apply 1.0Kg force to each lead for 10 Sec | No Physical Damage |
| Temperature Cycle Test | -20° to 120°C, Each Temperature 5 Minute-50 Cycles | Resistance change within 3%, and Insulation resistance more than 100 M Ohm |

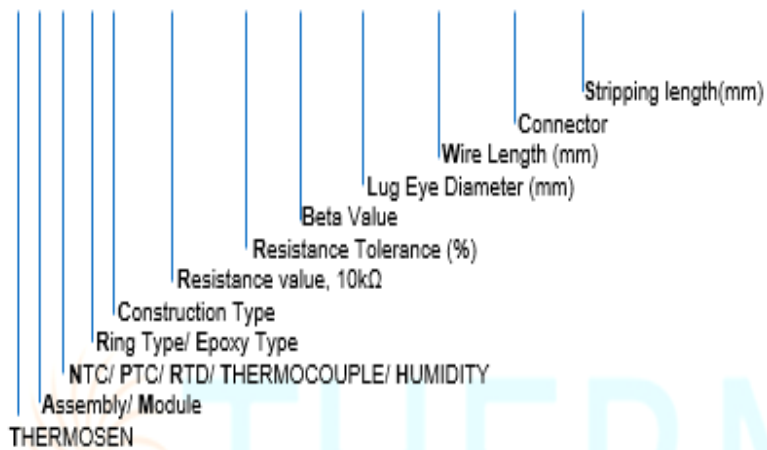
CUSTOM DESIGN & SUPPORT:

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

Consult Thermosen Technologies Pvt. Ltd. for more all available options

PACKING:

- Bulk layer packing
- 50 in poly bag
- 2000 in a Corrugated box
- Custom packing solution will be provided.

TANRN-103-Rx-B_{xxxx}-M_{xx}-L_{xxx}-C_{xxx}/S_{xx}**THERMOSEN TECHNOLOGIES PVT. LTD****PART NO :**

Customer Part NO :

Qty : Nos

Batch No :

Batch No :

Packed By :

| | |
|------|---|
| ROHS | v |
|------|---|

MANUFACTURED IN INDIA