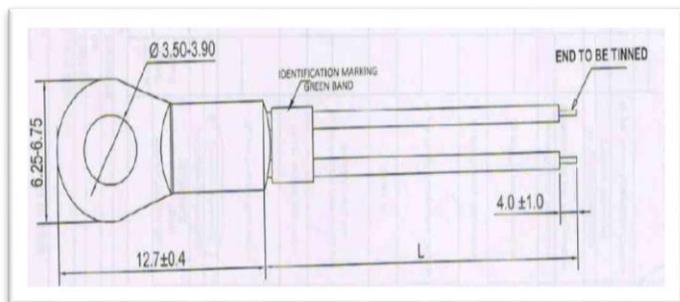


**Description :** A NTC thermistor chip is soldered to AWG#26 stranded copper leads with XLPE insulation. This sensor is attached to a tin plated copper ring lug with a middle buffer layer of Epoxy. The lead wires are twisted and tinned.



PARAMETER	VALUE	UNIT
Resistance at 25°C	1-100	KΩ
Resistance Tolerance	±1 to ±5	%
Beta Value (25/85)°C	3350 to 4550	K
Beta Tolerance	1	%
Insulation Resistance	100	MΩ
Isolation Strength	1500	Vac
Response Time	10	sec
Storage Temperature	-40 to 85	°C
Operating temperature	-40 to +125	°C

#### FEATURES

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

#### 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 sensing temperature sensing and control in battery temperature monitoring

Surface temperature sensing temperature sensing and control in compute

## ELECTRICAL DATA AND ORDERING INFORMATION

❖ ORDERING NUMBER	R25(Ω)	R25-TOL (± %)	B25/85 (K)	B25/85-TOL (± %)	DESCRIPTION	UL RECOGNIZED (Y/N)
TANRA-102RxBG M35Lxxx	1000	2,3,5	3550	1	NTC Thermistor 01KΩ B3550 M3.5 Lug Lead Length 50mm to 500mm	
TANRA-202RxBEM35Lxxx	2000	2, 3, 5	3540	1	NTC Thermistor 02KΩ B3540 M3.5 Lug Lead Length 50mm to 500mm	
TANRA-202RxBNM35Lxxx	2000	2,3,5	3627	1	NTC Thermistor 02KΩ B3627M3.5 Lug Lead Length 50mm to 500mm	
TANRA-225RxBDM35Lxxx	2252	1,2,3,5	3977	1	NTC Thermistor 2.252kΩ B3977M3.5 Lug Lead Length 50mm to 500mm	
TANRA-302RxBDM35Lxxx	3000	1,2,3,5	3977	1	NTC Thermistor 03kΩ B3977M3.5 Lug Lead Length 50mm to 500mm	
TANRA-502RxBDM35Lxxx	5000	1,2,3,5	3977	1	NTC Thermistor Lug 05KΩ B3977M3.5 Lug Lead Length 50mm to 500mm	
TANRA-103RxBDM35Lxxx	10,000	0.5,1,2,3,5	3977	1	NTC Thermistor Lug 10KΩ B3977M3.5 Lug Lead Length 50mm to 500mm	
TANRA-103RxBDM35Lxxx	10,000	1,2,3,5	3435	1	NTC Thermistor Lug 10KΩ B3435M3.5 Lug Lead Length 50mm to 500mm	
TANRA-203RxBDM35Lxxx	20,000	1,2,3,5	3977	1	NTC Thermistor Lug 20KΩ B3977M35LXXX Lug Lead Length 50mm to 500mm	
TANRA-303RxBDM35Lxxx	30,000	1,2,3,5	3977	1	NTC Thermistor Lug 30KΩ B3977M3.5 Lug Lead Length 50mm to 500mm	
TANRA-503RxBDM35Lxxx	50,000	1,2,3,5	3977	1	NTC Thermistor Lug 50KΩ B3977M3.5 Lug Lead Length 50mm to 500mm	
TANRA-503RxBFM35Lxxx	50,000	1,2,3,5	4252	1	NTC Thermistor Lug 50KΩ B4252M3.5 Lug Lead Length 50mm to 500mm	
TANRA-104RxBFM35Lxxx	100,000	0.5,1,2,3,5	4252	1	NTC Thermistor Lug 100KΩ B4252M3.5 Lug Lead Length 50mm to 500mm	

❖ Rx- Resistance Tolerance to be selected from the tolerance chart. (D for 0.5%)

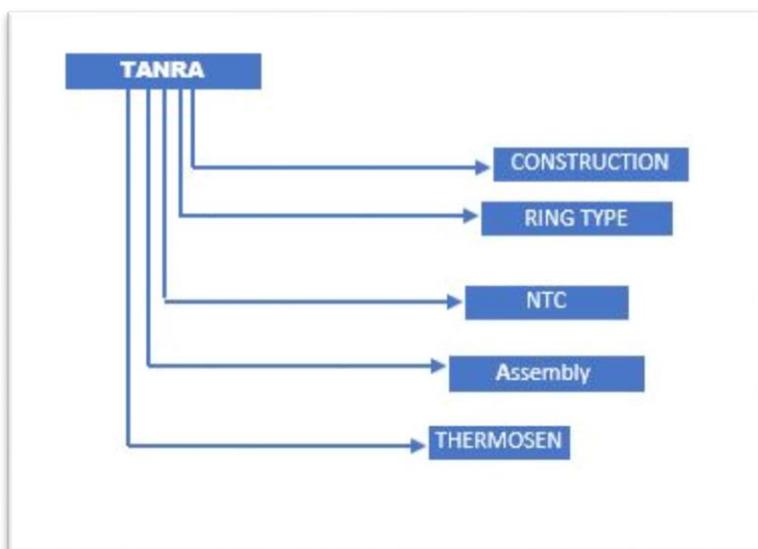
❖ Lxxx-wire length, (101 =100mm,102=1000mm)

THERMOSEN Technologies Pvt Ltd.

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PHONE :080-41106383

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



#### CUSTOM DESIGN & SUPPORT:

- Other resistance curve & tolerance are available on request
- Other Lug Dimension M3/M4/M5 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
- 200 in poly bag
- 5000 in bigger poly bag
- 20000 in a Corrugated box
- Custom packing solution will be provided.