



20015623-00

Disposable Skin Sensor

Description

20015623-00 is a low cost and high accuracy skin sensor assembly for patient monitoring, compatible with the 400 series nominal resistance response curve.

In a typical application, 20015623-00 is used to measure the body temperature of patients thru direct contact with the skin.

Features

- 400 series nominal resistance response curve.
- NTC thermistor with 2252 Ohm nominal resistance @25°C.
- $\pm 0.1^\circ\text{C}$ accuracy over the range of 25°C to 50°C.
- Proven stability and reliability.
- Low cost.

Applications

- Continuous patient monitoring.
- Skin sensors.
- General purpose probes.

Generic Steinhart-Hart Constants

A	1.478449471422940E-03
B	2.345273369229340E-04
C	4.460181921656660E-07
D	8.377136773151330E-08

Resistance vs Temperature Table

Temperature (°C)	Resistance (Ω)	Temperature (°C)	Resistance (Ω)
25	2252.0	38	1300.2
26	2155.6	39	1248.5
27	2063.9	40	1199.1
28	1976.5	41	1152.0
29	1893.4	42	1106.9
30	1814.2	43	1063.9
31	1738.7	44	1022.7
32	1666.8	45	983.4
33	1598.2	46	945.8
34	1532.9	47	909.8
35	1470.5	48	875.4
36	1411.1	49	842.4
37	1354.3	50	810.9

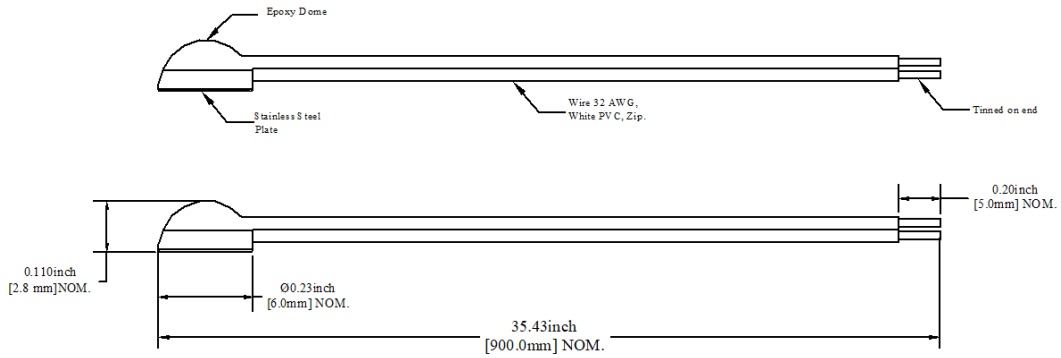
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Specifications

Parameters	Units	Value
Resistance @25°C	Ohms	2252
Accuracy Range of Interest	°C	25 to 50
Measurement Accuracy within the Range of Interest	°C	±0.1
Nominal Beta Value 25/85	K	3976

Mechanical Details



Ordering Information

Description	Part Number
THR-A#-2251-D1-304-0.23"-0.11"-00-Z-32-2	20015623-00