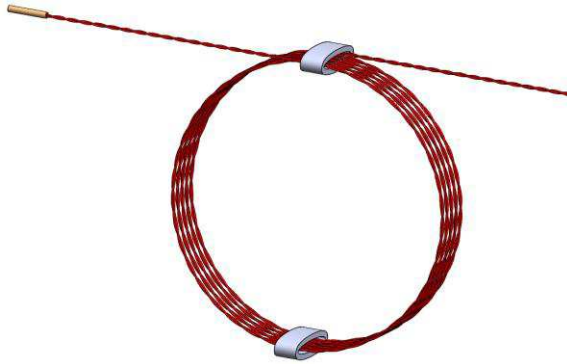




FEATURES

- Low cost NTC assembly for disposable medical Applications
- 400 series NTC thermistor, 2252 ohms @ +25°C
- Twisted lead wires with red/green Polyurethane/Nylon insulation
- Small tip diameter
- Various lead lengths available on request
- Custom tolerances available on request
- Available in a range of R/T curves
- Temperature range -40 °C to +80°C

APPLICATIONS

- Sub-assembly for medical applications

DISPOSABLE TEMPERATURE SENSOR FOR MEDICAL APPLICATIONS TEMPORARY PN: FSR1011219

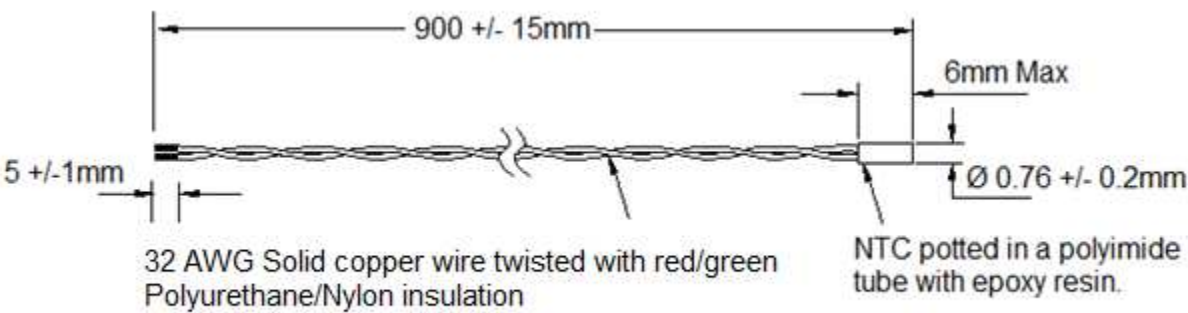
DESCRIPTION

- NTC thermistor temperature sensor with 2,252 ohms nominal resistance @ +25°C
- Thermistor potted inside a polyimide tube for ceramic element protection
- Thermally conductive epoxy resin used for potting to provide fast time response
- 32AWG solid copper wire with red/green polyurethane/Nylon insulation.
- High precision thermistor based sensor for body temperature measurement

PERFORMANCE SPECS

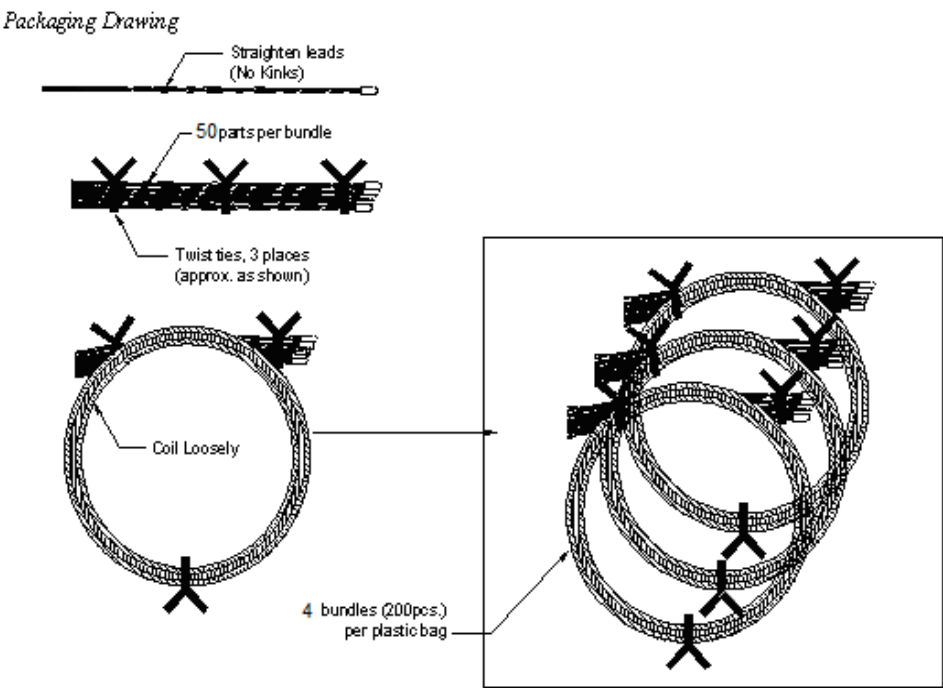
Parameters	Units	Value
Resistance @ +25°C	Ohms	2,252
Resistance tolerance from +25°C to +45°C	°C	± 0.1
Beta value 25/85	K	3976
Tolerance on beta value 25/85	%	± 0.5
Time response in liquids (T63.2%)	Sec	< 5
Operating temperature range	°C	-40 to +80

MECHANICAL DETAILS



PACKAGING DETAILS

Tie wrapped individually. Bulk packed in quantities of 50 pieces in non-sterilized clear plastic bags



RESISTANCE V TEMPERATURE TABLE

Temp °C	Ohms
---------	------

-40	75491
-39	70663
-38	66173
-37	61996
-36	58109
-35	54489
-34	51118
-33	47975
-32	45045
-31	42312
-30	39761
-29	37380
-28	35156
-27	33077
-26	31134
-25	29317
-24	27617
-23	26026
-22	24536
-21	23140
-20	21832
-19	20606
-18	19456
-17	18377
-16	17364
-15	16413
-14	15520
-13	14681
-12	13892
-11	13150
-10	12452

Temp °C	Ohms
---------	------

-9	11795
-8	11177
-7	10595
-6	10046
-5	9529
-4	9042
-3	8582
-2	8148
-1	7739
0	7353
1	6988
2	6644
3	6318
4	6010
5	5719
6	5444
7	5183
8	4937
9	4703
10	4482
11	4273
12	4075
13	3886
14	3708
15	3539
16	3378
17	3226
18	3081
19	2944
20	2814
21	2690

Temp °C	Ohms
---------	------

22	2572
23	2460
24	2353
25	2252
26	2156
27	2064
28	1977
29	1893
30	1814
31	1739
32	1667
33	1598
34	1533
35	1471
36	1411
37	1354
38	1300
39	1248
40	1199
41	1152
42	1107
43	1064
44	1023
45	983
46	946
47	910
48	875
49	842
50	811
51	781
52	752

Temp °C	Ohms
---------	------

53	724
54	698
55	672
56	648
57	624
58	602
59	581
60	560
61	540
62	521
63	503
64	486
65	469
66	453
67	437
68	422
69	408
70	394
71	381
72	369
73	356
74	345
75	333
76	322
77	312
78	302
79	292
80	283

SAMPLE APPROVAL

TE Approval	Signature	Date
Quality		
Engineering		
Customer approval		

Part Number	Description	Ω @25°C	MOQ
To be assigned on customer acceptance of sample.	400 series plastic sensor for medical applications Temporary PN FSR1011219	2,252	10,000

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