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10K3D732 THERMISTOR PROBE

Description

- NTC thermistors with 10,000 Ohms nominal resistance @+25ºC
- Ø 0.062” 304 Stainless steel Immersion Probe
- NTC thermistor Sensor is potted using thermally
- conductive epoxy resin for improved time response

FEATURES

- Proven stability and reliability
- Fast time response
- Sensor protected inside a 304 Stainless- steel housing
- Operating temperature range -40ºC to +105ºC
- Temperature accuracy ±0.2ºC from 0ºC to +70ºC

APPLICATIONS

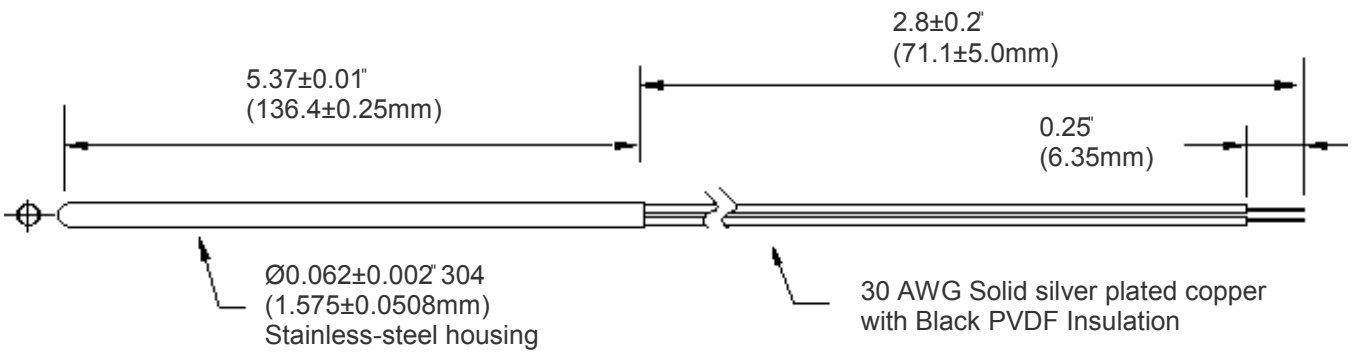
- Temperature sensing, control and compensation
- General Instrumentation

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PERFORMANCE SPECS

Parameter	Unit	Value
Resistance @ +25°C	Ohms	10,000
Tolerance from 0ºC to +70ºC	°C	± 0.2
Beta Value 25/85	K	3976
Tolerance on Beta Value	%	± 0.5
Operating Temperature	°C	-40ºC to +105ºC

Mechanical Details



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Resistance/Temperature Chart

Temp. °C	Ohms
-40	336098
-39	314553
-38	294524
-37	275897
-36	258563
-35	242427
-34	227398
-33	213394
-32	200339
-31	188163
-30	176803
-29	166198
-28	156294
-27	147042
-26	138393
-25	130306
-24	122741
-23	115661
-22	109032
-21	102824
-20	97006
-19	91553
-18	86439
-17	81641
-16	77138
-15	72911
-14	68940
-13	65209
-12	61703
-11	58405
-10	55304
-9	52385
-8	49638
-7	47050
-6	44613
-5	42317
-4	40151
-3	38110
-2	36184
-1	34366
0	32651
1	31031
2	29500

Temp. °C	Ohms
3	28054
4	26687
5	25395
6	24172
7	23016
8	21921
9	20885
10	19903
11	18973
12	18092
13	17257
14	16465
15	15714
16	15001
17	14324
18	13682
19	13073
20	12493
21	11943
22	11420
23	10923
24	10450
25	10000
26	9572
27	9165
28	8777
29	8408
30	8056
31	7721
32	7402
33	7097
34	6807
35	6530
36	6266
37	6014
38	5774
39	5544
40	5325
41	5116
42	4916
43	4724
44	4542
45	4367

Temp. °C	Ohms
46	4200
47	4040
48	3887
49	3741
50	3601
51	3467
52	3339
53	3216
54	3098
55	2985
56	2877
57	2773
58	2674
59	2579
60	2487
61	2399
62	2315
63	2234
64	2157
65	2082
66	2011
67	1942
68	1876
69	1813
70	1752
71	1693
72	1637
73	1582
74	1530
75	1480
76	1432
77	1385
78	1341
79	1298
80	1256
81	1216
82	1178
83	1141
88	974
89	945
90	916
91	888
92	862

Temp. °C	Ohms
93	836
94	811
95	787
96	764
97	741
98	720
99	699
100	678
101	659
102	640
103	622
104	604
105	587

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ORDERING INFORMATION

Part Number	Description	Ω @25ºC	MOQ*
GA10K3D732	NTC Temperature Sensor	10,000	1,000

* For quantities less than MOQ (Minimum Order Quantity) contact distribution

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