

High Rel Epoxy Coated Thermistor



- ESCC Qualified.
- Excellent stability.
- Flight heritage.
- Ease of mounting.
- Robust construction.
- Data Report including test data.
- Non ITAR restrictive.
- Approved by Prime Contractors
- ESCC Detail Specification No. 4006013.
- ESCC Part No. 400601301B

DESCRIPTION

Epoxy coated discrete NTC Thermistor chip soldered to 30AWG Tin/Lead (63/37) plated copper wires.

FEATURES

ESCC qualified.
 ESCC Detail Specification No. 4006013
 ESCC Part No. 400601301B.
 Epoxy coated.
 30AWG Tin/Lead (63/37) plated copper wires
 Operating temperature range: -55 °C to + 100 °C.

APPLICATIONS

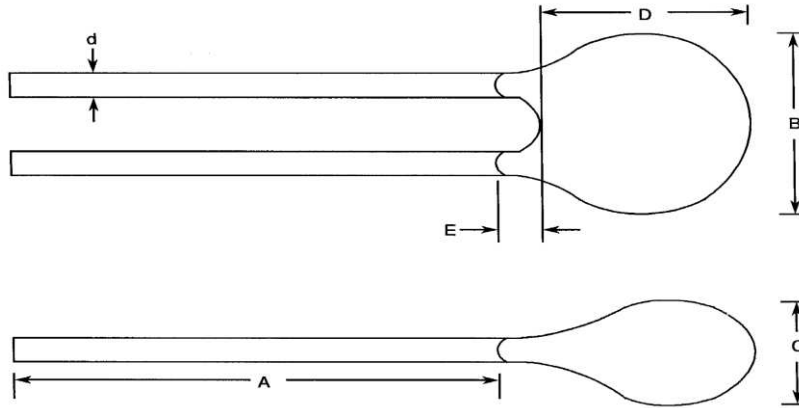
Satellite electric motors.
 Monitoring of gearboxes in satellites.
 Temperature compensation.
 Battery power packs.
 Control panel monitoring
 Monitoring of actuators.
 Panel temperature measurement

PERFORMANCE SPECS

Resistance @ +25 °C	Ω	1,000
Tolerance @ -55 °C	%	± 3.69
Tolerance @ -40 °C	%	± 2.32
Tolerance @ -25 °C	%	± 2.10
Tolerance @ 0 °C	%	± 1.02
Tolerance @ +25 °C	%	± 0.88
Tolerance @ +75 °C	%	± 1.16
Tolerance @ +100 °C	%	± 1.46
0/50 Beta value	K	3892
Operating Range	°C	-55 to +100
Storage Temp	°C	-55 to +100
Power Dissipation	mW	2
Thermal Time Constant	s	25
Weight	g	0.5 max

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MECHANICAL DETAILS



Dimensions						
	A	B	C	D	d	E
Min	50.8	-	-	-	0.23	-
Max	-	4.87	4.87	6.35	0.28	2

RESISTANCE V TEMPERATURE TABLE

Temp. °C	Ohms
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-55	95,620
-50	66,351
-45	46,826
-40	33,512
-35	24,151
-30	17,632
-25	13,017
-20	9,688
-15	7,285
-10	5,528
-5	4,230
0	3,265
1	3,103
2	2,950
3	2,805
4	2,668
5	2,539
6	2,417
7	2,301
8	2,192
9	2,088
10	1,990

Temp. °C	Ohms
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11	1,897
12	1,809
13	1,725
14	1,646
15	1,571
16	1,500
17	1,432
18	1,368
19	1,307
20	1,249
21	1,194
22	1,142
23	1,092
24	1,044
25	1,000
26	957
27	916
28	877
29	840
30	805
31	772
32	740

Temp. °C	Ohms
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33	709
34	680
35	652
36	626
37	601
38	577
39	554
40	532
41	511
42	491
43	472
44	454
45	436
46	419
47	403
48	388
49	374
50	360
51	346
52	333
53	321
54	309

Temp. °C	Ohms
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55	298
56	287
57	277
58	267
59	257
60	248
61	239
62	231
63	223
64	215
65	208
66	201
67	194
68	187
69	181
70	175
80	125.6
90	91.6
100	67.9

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ORDERING INFORMATION

Part Number	Description	Res. at 25°C	ESCC No.
1K3A351	High-Rel Discrete	1,000	400601301B

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