

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. 400601303B

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. 400601303B.
 Epoxy coated.
 30AWG Tin/Lead (63/37) plated copper wires
 Operating temperature range: -55 °C to + 100 °C.

APPLICATIONS

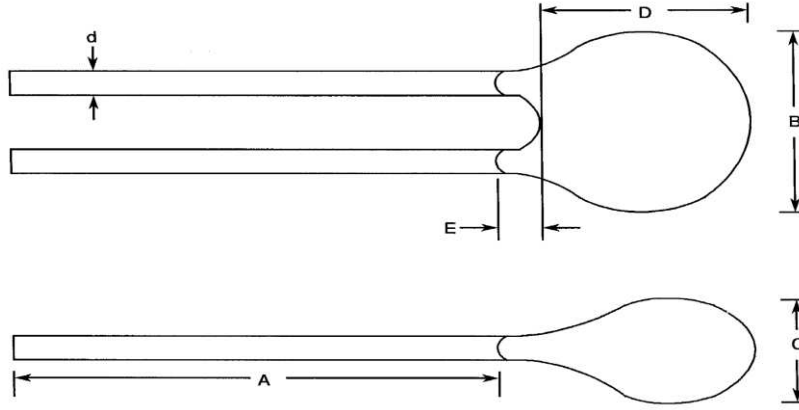
Satellite electric motors
 Monitoring of gearboxes in satellites
 Temperature compensation
 Battery power packs
 Control panel monitoring
 Monitoring of actuators
 Panel temperature measurement

PERFORMANCE SPECS

Resistance @ +25 °C	Ω	3,000
Tolerance @ -55 °C	%	± 3.70
Tolerance @ -40 °C	%	± 2.33
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	-	2.81	2.81	3.68	0.28	1.6

RESISTANCE V TEMPERATURE TABLE

Temp. °C	Ohms
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-55	287,937
-50	200,348
-45	141,183
-40	100,701
-35	72,658
-30	53,005
-25	39,073
-20	29,092
-15	21,868
-10	16,589
-5	12,694
0	9,795
1	9,309
2	8,850
3	8,416
4	8,006
5	7,618
6	7,251
7	6,904
8	6,576
9	6,265
10	5,971

Temp. °C	Ohms
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11	5,692
12	5,427
13	5,177
14	4,939
15	4,714
16	4,500
17	4,297
18	4,104
19	3,915
20	3,748
21	3,583
22	3,426
23	3,276
24	3,135
25	3,000
26	2,871
27	2,749
28	2,633
29	2,522
30	2,416
31	2,316
32	2,200

Temp. °C	Ohms
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33	2,129
34	2,042
35	1,959
36	1,879
37	1,804
38	1,732
39	1,663
40	1,597
41	1,534
42	1,474
43	1,417
44	1,362
45	1,310
46	1,259
47	1,212
48	1,166
49	1,122
50	1,080
51	1,040
52	1,001
53	964.7
54	929.4

Temp. °C	Ohms
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55	895.5
56	863.1
57	832.0
58	802.2
59	773.6
60	746.1
61	719.8
62	694.5
63	670.3
64	647.0
65	624.7
66	603.2
67	582.6
68	562.8
69	543.8
70	525.5
80	376.8
90	274.8
100	203.6
105	176.2
110	153.0
115	133.3

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ORDERING INFORMATION

Part Number	Description	Res. at 25°C	ESCC No.
3K3A353	Hi-Rel Leaded Discrete	3,000	400601303B

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