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. 400601304**

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. 400601304.
Epoxy coated.
30AWG Tin/Lead (63/37) plated copper wires
Operating temperature range: -55°C to + 115°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	4,000
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
Tolerance @ +115°C	%	± 1.36
0/50 Beta value	K	3892
Operating Range	°C	-55 to +115
Storage Temp	°C	-55 to +115
Power Dissipation	mW	2
Thermal Time Constant	s	25
Weight	g	0.5 max

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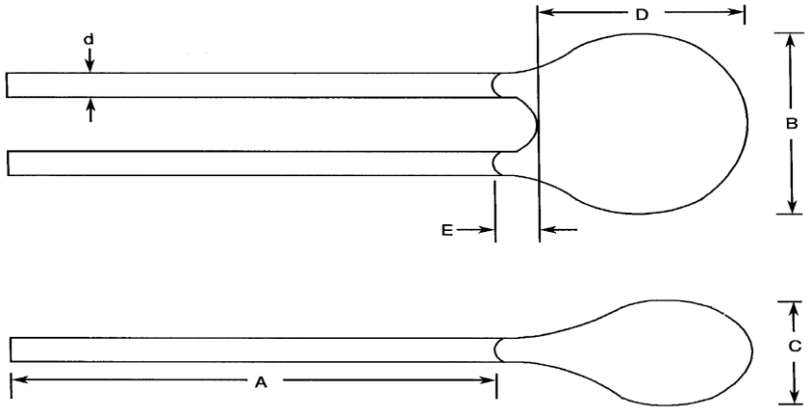
MECHANICAL DETAILS



Dimensions						
	A	B	C	D	d	E
Min	50.8	-	-	-	0.23	-
Max	-	2.54	2.54	3.50	0.28	1.6

RESISTANCE V TEMPERATURE TABLE

Temp. ºC	Ohms	Temp. ºC	Ohms	Temp. ºC	Ohms	Temp. ºC	Ohms
-55	383,916	11	7,589	33	2,838	55	1,193
-50	266,888	12	7,237	34	2,722	56	1,150
-45	188,112	13	6,902	35	2,612	57	1,109
-40	134,268	14	6,586	36	2,506	58	1,069
-35	96,840	15	6,285	37	2,405	59	1,031
-30	70,651	16	6,000	38	2,309	60	994
-25	52,098	17	5,729	39	2,217	61	959
-20	38,784	18	5,473	40	2,129	62	926
-15	29,155	19	5,229	41	2,046	63	893
-10	22,117	20	4,997	42	1,966	64	862
-5	16,925	21	4,777	43	1,889	65	832
0	13,060	22	4,568	44	1,816	66	804
1	12,412	23	4,369	45	1,746	67	776
2	11,800	24	4,179	46	1,679	68	750
3	11,221	**25**	**4,000**	47	1,615	69	724
4	10,675	26	3,828	48	1,554	70	700
5	10,158	27	3,665	49	1,496	80	502
6	9,669	28	3,510	50	1,440	90	366
7	9,206	29	3,363	51	1,386	100	271.4
8	8,768	30	3,222	52	1,335	105	234.9
9	8,354	31	3,088	53	1,286	110	204.0
10	7,961	32	2,960	54	1,239	115	177.8

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ORDERING INFORMATION

Part Number	Description	Res. at 25°C	ESCC No.
4K3A354	Hi-Rel Leaded Discrete	4,000	400601304

NORTH AMERICA

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