

104ET-1

TEMPERATURE VS RESISTANCE CHARACTERISTICS [ITS-90]

Resistance 100k Ohms at 25 deg. C

Resistance Tolerance + / - 3 %

B Value 4132K at 25/85 deg. C



B Value Tolerance + / - 1 %

<u>Temp.</u> <u>(deg. C)</u>	<u>Rmax. (k Ohms)</u>	<u>Rst. (k Ohms)</u>	<u>Rmin. (k Ohms)</u>	<u>Tolerance (deg. C)</u>	
-40	3547	3325	3114	-1.0	+1.0
-39	3320	3114	2918	-1	+1.0
-38	3109	2918	2737	-1.0	+1.0
-37	2913	2736	2567	-1.0	+1.0
-36	2731	2567	2410	-1.0	+1.0
-35	2562	2410	2264	-1.0	+1.0
-34	2405	2263	2127	-1.0	+1.0
-33	2258	2126	2000	-1.0	+1.0
-32	2121	1999	1881	-1.0	+1.0
-31	1994	1880	1770	-1.0	+1.0
-30	1875	1769	1667	-1.0	+1.0
-29	1762	1664	1568	-1.0	+1.0
-28	1657	1565	1477	-1.0	+1.0
-27	1559	1473	1391	-1.0	+1.0
-26	1467	1387	1310	-1.0	+1.0
-25	1382	1307	1235	-1.0	+1.0
-24	1302	1232	1165	-1.0	+1.0
-23	1227	1162	1099	-1.0	+1.0
-22	1157	1097	1038	-1.0	+1.0
-21	1091	1035	980.8	-1.0	+1.0
-20	1030	977.5	926.8	-0.9	+1.0
-19	971.6	922.6	875.2	-0.9	+1.0
-18	916.9	871.1	826.8	-0.9	+1.0
-17	865.6	822.9	781.5	-0.9	+1.0
-16	817.6	777.6	738.9	-0.9	+1.0
-15	772.5	735.2	699.0	-0.9	+1.0
-14	730.3	695.4	661.6	-0.9	+1.0
-13	690.7	658.1	626.4	-0.9	+0.9
-12	653.5	623.0	593.3	-0.9	+0.9
-11	618.6	590.0	562.2	-0.9	+0.9
-10	585.8	559.0	532.9	-0.9	+0.9
-9	554.4	529.3	504.9	-0.9	+0.9
-8	524.9	501.4	478.5	-0.9	+0.9
-7	497.1	475.2	453.7	-0.9	+0.9
-6	471.0	450.5	430.4	-0.9	+0.9
-5	446.5	427.3	408.4	-0.9	+0.9

-4	428.4	405.4	387.7	-0.9	+0.9
-3	401.7	384.8	368.2	-0.9	+0.9
-2	381.2	365.3	349.8	-0.9	+0.9
-1	361.9	347.0	332.4	-0.9	+0.9
0	343.7	329.8	316.0	-0.9	+0.9
1	326.4	313.3	300.4	-0.8	+0.9
2	310.0	297.7	285.6	-0.8	+0.9
3	294.5	283.0	271.6	-0.8	+0.9
4	279.9	269.1	258.4	-0.8	+0.9
5	266.2	256.0	245.9	-0.8	+0.9
6	253.2	243.6	234.2	-0.8	+0.8
7	240.9	231.9	223.0	-0.8	+0.8
8	229.3	220.9	212.5	-0.8	+0.8
9	218.3	210.4	202.5	-0.8	+0.8
10	208.0	200.5	193.1	-0.8	+0.8
11	198.0	191.0	184.0	-0.8	+0.8
12	188.6	182.0	175.5	-0.8	+0.8
13	179.7	173.5	167.3	-0.8	+0.8
14	171.3	165.5	159.7	-0.8	+0.8
15	163.3	157.8	152.4	-0.8	+0.8
16	155.8	150.6	145.5	-0.8	+0.8
17	148.6	143.8	138.9	-0.8	+0.8
18	141.8	137.3	132.7	-0.8	+0.8
19	135.4	131.1	126.8	-0.8	+0.8
20	129.3	125.3	121.2	-0.7	+0.8
21	123.5	119.7	115.8	-0.7	+0.8
22	118.0	114.4	110.7	-0.7	+0.8
23	112.7	109.3	105.9	-0.7	+0.7
24	107.7	104.5	101.3	-0.7	+0.7
25	103.0	100.0	97.00	-0.7	+0.7
26	98.56	95.64	92.73	-0.7	+0.7
27	94.33	91.50	88.67	-0.7	+0.8
28	90.31	87.57	84.82	-0.8	+0.8
29	86.49	83.83	81.16	-0.8	+0.8
30	82.86	80.27	77.68	-0.8	+0.8
31	79.37	76.85	74.35	-0.8	+0.8
32	76.05	73.60	71.17	-0.8	+0.8
33	72.88	70.51	68.15	-0.8	+0.8
34	69.87	67.57	65.28	-0.8	+0.9
35	67.00	64.77	62.55	-0.9	+0.9
36	64.27	62.10	59.95	-0.9	+0.9
37	61.66	59.56	57.47	-0.9	+0.9
38	59.18	57.13	55.11	-0.9	+0.9
39	56.81	54.82	52.86	-0.9	+0.9
40	54.55	52.62	50.71	-0.9	+0.9
41	52.37	50.49	48.64	-0.9	+1.0
42	50.28	48.46	46.67	-0.9	+1.0
43	48.29	46.53	44.78	-1.0	+1.0
44	46.40	44.68	42.99	-1.0	+1.0

45	42.58	42.92	39.64	-1.0	+1.0
46	42.85	41.24	39.64	-1.0	+1.0
47	41.20	39.63	38.08	-1.0	+1.1
48	39.62	38.10	36.59	-1.0	+1.1
49	38.11	36.63	35.17	-1.1	+1.1
50	36.67	35.23	33.81	-1.1	+1.1
51	35.26	33.86	32.49	-1.1	+1.1
52	33.92	32.56	31.23	-1.1	+1.1
53	32.63	31.32	30.02	-1.1	+1.1
54	31.41	30.13	28.87	-1.1	+1.2
55	30.23	28.99	27.77	-1.1	+1.2
56	29.11	27.90	26.72	-1.2	+1.2
57	28.03	26.86	25.71	-1.2	+1.2
58	27.00	25.86	24.74	-1.2	+1.2
59	26.01	24.91	23.82	-1.2	+1.2
60	25.07	24.00	22.94	-1.2	+1.2
61	24.15	23.10	22.08	-1.2	+1.2
62	23.26	22.25	21.25	-1.2	+1.3
63	22.42	21.43	20.47	-1.3	+1.3
64	21.61	20.65	19.71	-1.3	+1.3
65	20.83	19.90	18.99	-1.3	+1.3
66	20.08	19.18	18.30	-1.3	+1.3
67	19.37	18.49	17.63	-1.3	+1.4
68	18.69	17.83	17.00	-1.3	+1.4
69	18.03	17.20	16.39	-1.4	+1.4
70	17.40	16.59	15.80	-1.3	+1.4
71	16.78	16.00	15.23	-1.4	+1.4
72	16.19	15.43	14.69	-1.4	+1.4
73	15.63	14.89	14.16	-1.4	+1.4
74	15.09	14.37	13.66	-1.4	+1.5
75	14.57	13.86	13.18	-1.4	+1.5
76	14.06	13.38	12.72	-1.5	+1.5
77	13.58	12.92	12.28	-1.5	+1.5
78	13.12	12.48	11.85	-1.5	+1.5
79	12.68	12.05	11.44	-1.5	+1.5
80	12.25	11.64	11.05	-1.5	+1.5
81	11.84	11.25	10.67	-1.5	+1.6
82	11.44	10.86	10.30	-1.5	+1.6
83	11.06	10.50	9.956	-1.6	+1.6
84	10.69	10.15	9.618	-1.6	+1.6
85	10.34	9.807	9.294	-1.6	+1.6
86	9.996	9.479	8.980	-1.6	+1.6
87	9.666	9.163	8.678	-1.6	+1.7
88	9.350	8.860	8.388	-1.6	+1.7
89	9.045	8.568	8.109	-1.7	+1.7
90	8.751	8.288	7.841	-1.7	+1.7

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