

503ET

TEMPERATURE VS RESISTANCE CHARACTERISTICS [ITS-90]

Resistance 50k Ohms at 25 deg. C

Resistance Tolerance + / - 3 %

B Value 4055K at 25/85 deg. C

B Value Tolerance + / - 1 %



Temp. (deg. C)	Rmax. (k Ohms)	Rst. (k Ohms)	Rmin. (k Ohms)	Tolerance (deg. C)	
-40	1708	1602	1501	-1.0	+1.0
-39	1600	1501	1407	-1	+1.0
-38	1498	1407	1320	-1.0	+1.0
-37	1405	1320	1238	-1.0	+1.0
-36	1317	1238	1163	-1.0	+1.0
-35	1236	1163	1092	-1.0	+1.0
-34	1160	1092	1027	-1.0	+1.0
-33	1090	1027	966.1	-1.0	+1.0
-32	1024	965.4	909.1	-1.0	+1.0
-31	963.1	908.3	855.8	-1.0	+1.0
-30	906.0	855.0	806.1	-1.0	+1.0
-29	851.8	804.4	758.8	-1.0	+1.0
-28	801.3	757.1	714.6	-1.0	+1.0
-27	754.1	712.9	673.4	-1.0	+1.0
-26	710.1	671.7	634.8	-1.0	+1.0
-25	668.9	633.1	598.7	-1.0	+1.0
-24	630.4	597.1	564.9	-1.0	+1.0
-23	594.5	563.3	533.3	-1.0	+1.0
-22	560.8	531.8	503.7	-1.0	+1.0
-21	529.3	502.2	475.9	-1.0	+1.0
-20	499.8	474.4	449.9	-1.0	+1.0
-19	471.7	448.0	425.1	-0.9	+1.0
-18	445.3	423.2	401.8	-0.9	+1.0
-17	420.6	400.0	380.0	-0.9	+1.0
-16	397.5	378.2	359.5	-0.9	+1.0
-15	375.8	357.8	340.2	-0.9	+1.0
-14	355.4	338.6	322.1	-0.9	+1.0
-13	336.3	320.5	305.1	-0.9	+1.0
-12	318.4	303.6	289.2	-0.9	+0.9
-11	301.5	287.7	274.1	-0.9	+0.9
-10	285.7	272.7	260.0	-0.9	+0.9
-9	270.5	258.4	246.5	-0.9	+0.9
-8	256.3	244.9	233.8	-0.9	+0.9
-7	242.9	232.2	221.8	-0.9	+0.9
-6	230.3	220.3	210.5	-0.9	+0.9
-5	218.4	209.1	199.9	-0.9	+0.9
-4	207.3	198.5	189.8	-0.9	+0.9
-3	196.8	188.5	180.4	-0.9	+0.9

-2	186.9	179.1	171.5	0.9	+0.9
-1	177.5	170.2	163.1	-0.9	+0.9
0	168.7	161.9	155.1	-0.9	+0.9
1	160.3	153.9	147.5	-0.9	+0.9
2	152.3	146.3	140.4	-0.9	+0.9
3	144.9	139.2	133.6	-0.8	+0.9
4	137.8	132.5	127.2	-0.8	+0.9
5	131.1	126.1	121.2	-0.8	+0.9
6	124.8	120.1	115.4	-0.8	+0.9
7	118.8	114.4	110.0	-0.8	+0.9
8	113.2	109.0	104.9	-0.8	+0.8
9	107.9	103.9	100.0	-0.8	+0.8
10	102.8	99.13	95.49	-0.8	+0.8
11	97.96	94.50	91.08	-0.8	+0.8
12	93.38	90.12	86.90	-0.8	+0.8
13	89.04	85.98	82.94	-0.8	+0.8
14	84.93	82.05	79.19	-0.8	+0.8
15	81.03	78.32	75.63	-0.8	+0.8
16	77.35	74.79	72.25	-0.8	+0.8
17	73.85	71.44	69.05	-0.8	+0.8
18	70.53	68.26	66.00	-0.8	+0.8
19	67.38	65.25	63.12	-0.8	+0.8
20	64.40	62.38	60.37	-0.8	+0.8
21	61.54	59.65	57.75	-0.7	+0.8
22	58.84	57.05	55.26	-0.7	+0.8
23	56.26	54.58	52.89	-0.7	+0.8
24	53.82	52.23	50.64	-0.7	+0.8
25	51.50	50.00	48.50	-0.7	+0.7
26	49.30	47.85	46.39	-0.7	+0.8
27	47.21	45.80	44.38	-0.7	+0.8
28	45.23	43.85	42.48	-0.8	+0.8
29	43.34	42.00	40.66	-0.8	+0.8
30	41.53	40.24	38.94	-0.8	+0.8
31	39.81	38.55	37.30	-0.8	+0.8
32	38.18	36.95	35.73	-0.8	+0.8
33	36.62	35.43	34.24	-0.8	+0.9
34	35.13	33.98	32.82	-0.8	+0.9
35	33.71	32.59	31.47	-0.9	+0.9
36	32.36	31.27	30.19	-0.9	+0.9
37	31.07	30.01	28.96	-0.9	+0.9
38	29.84	28.81	27.79	-0.9	+0.9
39	28.67	27.67	26.67	-0.9	+1.0
40	27.55	26.58	25.61	-0.9	+1.0
41	26.46	25.52	24.58	-0.9	+1.0
42	25.43	24.51	23.61	-1.0	+1.0
43	24.44	23.55	22.67	-1.0	+1.0
44	23.50	22.64	21.78	-1.0	+1.0
45	22.60	21.76	20.93	-1.0	+1.0
46	21.74	20.92	20.11	-1.0	+1.1
47	20.92	20.12	19.34	-1.0	+1.1
48	20.13	19.36	18.59	-1.1	+1.1
49	19.38	18.63	17.89	-1.1	+1.1

50	18.66	17.93	17.21	1.1	+1.1
51	17.96	17.25	16.55	-1.1	+1.1
52	17.29	16.60	15.92	-1.1	+1.1
53	16.65	15.98	15.32	-1.1	+1.2
54	16.04	15.39	14.75	-1.1	+1.2
55	15.46	14.82	14.20	-1.2	+1.2
56	14.89	14.28	13.67	-1.2	+1.2
57	14.36	13.76	13.17	-1.2	+1.2
58	13.84	13.26	12.69	-1.2	+1.2
59	13.35	12.79	12.23	-1.2	+1.3
60	12.88	12.33	11.79	-1.2	+1.2
61	12.41	11.88	11.35	-1.2	+1.3
62	11.97	11.45	10.94	-1.2	+1.3
63	11.54	11.04	10.54	-1.3	+1.3
64	11.13	10.64	10.16	-1.3	+1.3
65	10.74	10.26	9.797	-1.3	+1.3
66	10.36	9.898	9.447	-1.3	+1.4
67	10.00	9.550	9.111	-1.3	+1.4
68	9.654	9.216	8.789	-1.4	+1.4
69	9.322	8.895	8.480	-1.4	+1.4
70	9.002	8.588	8.184	-1.4	+1.4
71	8.690	8.286	7.894	-1.4	+1.4
72	8.390	7.997	7.616	-1.4	+1.4
73	8.102	7.720	7.349	-1.4	+1.5
74	7.825	7.454	7.093	-1.4	+1.5
75	7.559	7.198	6.848	-1.5	+1.5
76	7.304	6.953	6.612	-1.5	+1.5
77	7.059	6.717	6.386	-1.5	+1.5
78	6.823	6.491	6.168	-1.5	+1.5
79	6.597	6.273	5.959	-1.5	+1.6
80	6.379	6.064	5.759	-1.5	+1.6
81	6.166	5.860	5.563	-1.5	+1.6
82	5.962	5.664	5.375	-1.6	+1.6
83	5.766	5.475	5.194	-1.6	+1.6
84	5.577	5.294	5.021	-1.6	+1.6
85	5.395	5.120	4.854	-1.6	+1.6
86	5.219	4.951	4.692	-1.6	+1.7
87	5.050	4.789	4.537	-1.6	+1.7
88	4.887	4.633	4.388	-1.7	+1.7
89	4.730	4.482	4.244	-1.7	+1.7
90	4.579	4.338	4.106	-1.7	+1.7
91	4.431	4.197	3.971	-1.7	+1.7
92	4.289	4.061	3.841	-1.7	+1.8
93	4.153	3.931	3.716	-1.7	+1.8
94	4.021	3.805	3.596	-1.7	+1.8
95	3.895	3.684	3.481	-1.8	+1.8
96	3.773	3.567	3.370	-1.8	+1.8
97	3.655	3.455	3.262	-1.8	+1.9
98	3.542	3.347	3.159	-1.8	+1.9
99	3.433	3.243	3.060	-1.8	+1.9
100	3.327	3.142	2.964	-1.9	+1.9

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