

Mar.15,2001

[DATA FOR REFERENCE]

402ET

TEMPERATURE VS RESISTANCE CHARACTERISTICS [ITS-90]

Resistance 4k Ohms at 25 deg. C

Resistance Tolerance +/- 3 %

B Value 3100K 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	61.05	57.72	54.50	-1.1	+1.2
-39	57.99	54.85	51.82	-1.1	+1.2
-38	55.11	52.15	49.30	-1.1	+1.2
-37	52.39	49.60	46.91	-1.1	+1.2
-36	49.83	47.20	44.66	-1.1	+1.2
-35	47.41	44.93	42.53	-1.1	+1.2
-34	45.13	42.79	40.53	-1.1	+1.2
-33	42.97	40.77	38.63	-1.1	+1.2
-32	40.94	38.85	36.84	-1.1	+1.2
-31	39.02	37.05	35.14	-1.1	+1.2
-30	37.20	35.34	33.53	-1.1	+1.2
-29	35.46	33.70	32.00	-1.1	+1.2
-28	33.82	32.16	30.54	-1.1	+1.2
-27	32.26	30.69	29.17	-1.1	+1.2
-26	30.79	29.30	27.86	-1.1	+1.1
-25	29.40	27.99	26.62	-1.1	+1.1
-24	28.08	26.75	25.45	-1.1	+1.1
-23	26.83	25.57	24.34	-1.1	+1.1
-22	25.64	24.45	23.28	-1.1	+1.1
-21	24.52	23.39	22.28	-1.1	+1.1
-20	23.45	22.38	21.33	-1.1	+1.1
-19	22.43	21.41	20.42	-1.1	+1.1
-18	21.45	20.49	19.55	-1.1	+1.1
-17	20.53	19.62	18.73	-1.1	+1.1
-16	19.66	18.79	17.94	-1.1	+1.1
-15	18.82	18.00	17.20	-1.1	+1.1
-14	18.03	17.25	16.49	-1.1	+1.1
-13	17.28	16.54	15.81	-1.1	+1.1
-12	16.57	15.86	15.17	-1.1	+1.1
-11	15.89	15.22	14.56	-1.1	+1.1
-10	15.24	14.60	13.98	-1.1	+1.1
-9	14.62	14.01	13.42	-1.1	+1.1
-8	14.02	13.45	12.88	-1.1	+1.1
-7	13.46	12.91	12.38	-1.1	+1.1
-6	12.92	12.40	11.89	-1.1	+1.1
-5	12.41	11.92	11.43	-1.1	+1.1
-4	11.92	11.45	10.99	-1.1	+1.1
-3	11.45	11.01	10.57	-1.1	+1.1
-2	11.01	10.59	10.16	-1.1	+1.1
-1	10.59	10.18	9.785	-1.1	+1.1
0	10.18	9.797	9.418	-1.0	+1.1
1	9.792	9.425	9.064	-1.0	+1.1
2	9.419	9.070	8.726	-1.0	+1.1
3	9.063	8.731	8.403	-1.0	+1.1
4	8.724	8.407	8.094	-1.0	+1.1
5	8.399	8.097	7.798	-1.0	+1.1
6	8.088	7.801	7.516	-1.0	+1.1
7	7.792	7.517	7.245	-1.0	+1.1
8	7.508	7.246	6.986	-1.0	+1.0
9	7.236	6.986	6.738	-1.0	+1.0
10	6.976	6.737	6.501	-1.0	+1.0
11	6.724	6.497	6.271	-1.0	+1.0
12	6.483	6.266	6.051	-1.0	+1.0
13	6.253	6.045	5.839	-1.0	+1.0
14	6.032	5.834	5.637	-1.0	+1.0
15	5.820	5.631	5.443	-1.0	+1.0
16	5.617	5.437	5.257	-1.0	+1.0
17	5.423	5.251	5.079	-1.0	+1.0
18	5.236	5.072	4.907	-1.0	+1.0
19	5.058	4.900	4.743	-1.0	+1.0
20	4.886	4.736	4.585	-1.0	+1.0
21	4.720	4.576	4.433	-1.0	+1.0
22	4.561	4.423	4.286	-0.9	+1.0
23	4.408	4.277	4.145	-0.9	+1.0
24	4.261	4.135	4.010	-0.9	+1.0

25	4.120	4.000	3.880	-0.9	+1.0
26	3.986	3.869	3.751	-0.9	+1.0
27	3.858	3.743	3.628	-1.0	+1.0
28	3.735	3.622	3.510	-1.0	+1.0
29	3.616	3.506	3.396	-1.0	+1.0
30	3.502	3.394	3.287	-1.0	+1.0
31	3.391	3.286	3.180	-1.0	+1.1
32	3.284	3.181	3.078	-1.0	+1.1
33	3.182	3.081	2.980	-1.1	+1.1
34	3.083	2.984	2.886	-1.1	+1.1
35	2.988	2.891	2.795	-1.1	+1.1
36	2.896	2.802	2.708	-1.1	+1.1
37	2.808	2.716	2.624	-1.1	+1.2
38	2.723	2.633	2.543	-1.1	+1.2
39	2.641	2.553	2.465	-1.2	+1.2
40	2.562	2.476	2.389	-1.2	+1.2
41	2.485	2.401	2.316	-1.2	+1.2
42	2.411	2.328	2.246	-1.2	+1.2
43	2.340	2.258	2.178	-1.2	+1.2
44	2.271	2.191	2.112	-1.2	+1.3
45	2.204	2.126	2.049	-1.2	+1.3
46	2.140	2.064	1.988	-1.3	+1.3
47	2.078	2.003	1.929	-1.3	+1.3
48	2.018	1.945	1.873	-1.3	+1.3
49	1.960	1.889	1.818	-1.3	+1.4
50	1.905	1.835	1.766	-1.3	+1.4
51	1.850	1.782	1.714	-1.3	+1.4
52	1.797	1.730	1.664	-1.3	+1.4
53	1.746	1.681	1.616	-1.4	+1.4
54	1.697	1.633	1.570	-1.4	+1.4
55	1.650	1.587	1.525	-1.4	+1.4
56	1.604	1.542	1.481	-1.4	+1.5
57	1.559	1.499	1.440	-1.4	+1.5
58	1.517	1.458	1.399	-1.5	+1.5
59	1.475	1.417	1.360	-1.5	+1.5
60	1.435	1.379	1.322	-1.5	+1.5
61	1.396	1.340	1.286	-1.5	+1.5
62	1.358	1.303	1.250	-1.5	+1.6
63	1.321	1.268	1.215	-1.5	+1.6
64	1.285	1.233	1.182	-1.5	+1.6
65	1.251	1.200	1.150	-1.6	+1.6
66	1.218	1.168	1.118	-1.6	+1.6
67	1.186	1.137	1.088	-1.6	+1.7
68	1.154	1.106	1.059	-1.6	+1.7
69	1.124	1.077	1.031	-1.6	+1.7
70	1.095	1.049	1.003	-1.6	+1.6
71	1.065	1.020	0.9760	-1.6	+1.6
72	1.036	0.9923	0.9491	-1.6	+1.7
73	1.009	0.9653	0.9231	-1.6	+1.7
74	0.9816	0.9393	0.8980	-1.7	+1.7
75	0.9555	0.9141	0.8736	-1.7	+1.7
76	0.9303	0.8897	0.8501	-1.7	+1.7
77	0.9058	0.8661	0.8273	-1.7	+1.8
78	0.8822	0.8433	0.8053	-1.7	+1.8
79	0.8593	0.8211	0.7839	-1.8	+1.8
80	0.8371	0.7997	0.7633	-1.7	+1.8
81	0.8152	0.7786	0.7429	-1.8	+1.8
82	0.7939	0.7581	0.7232	-1.8	+1.8
83	0.7734	0.7383	0.7041	-1.8	+1.9
84	0.7535	0.7191	0.6856	-1.8	+1.9
85	0.7342	0.7005	0.6677	-1.8	+1.9
86	0.7152	0.6822	0.6501	-1.8	+1.9
87	0.6968	0.6645	0.6330	-1.9	+1.9
88	0.6790	0.6473	0.6165	-1.9	+1.9
89	0.6617	0.6307	0.6005	-1.9	+1.9
90	0.6449	0.6145	0.5850	-1.9	+2.0