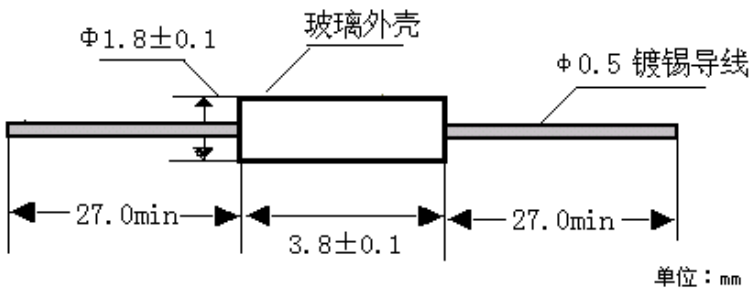




玻壳测温型热敏电阻主要技术参数

规格型号	MF58-104 J 3950
产品标准	Q/320115SHD04-2005

1、外形尺寸



2、材料

封装材料	引线材质
玻璃	镀锡钢线

3、型号说明

MF58	104	J	3950
玻壳测温型 NTC 热敏电阻器	电阻值	阻值允差	B 值（25/50）
	$10 \times 10^4 = 100K \Omega$	±5%	3950K

4、电气性能

	项目	符号	测试条件	单位	性能要求
4.1	25℃的零功率电阻值	R_{25}	$T_a = 25 \pm 0.05^\circ C$ 测试功率 $\leq 0.1mw$ 流动液体中测试	K Ω	$100K \pm 5\%$
4.2	B 值	$B_{25/50}$	$B = [(T_a \times T_b) / (T_b - T_a)] \times \ln(R_a / R_b)$ $T_b = 50^\circ C \pm 0.05^\circ C$	K	$3950 \pm 2\%$
4.3	耗散系数	δ	静止空气中	mW/°C	≥ 2.5
4.4	时间常数	τ	静止空气中	sec	≤ 20
4.5	耐电压	/	1500V/AC 1min	/	无击穿或飞弧
4.6	绝缘电阻	/	500V/DC 1min	M Ω	≥ 500
4.7	工作温度范围	/	/	°C	-55 ~ 250
4.8	阻温特性	/	/	/	见附表 1
4.9	阻值误差	/	/	/	见附表 2



5、可靠性能试验

	项目	测试条件及方法	技术要求
5.1	可焊性	将引线浸入 $235 \pm 5^\circ\text{C}$ 的锡液中，锡面距本体 6mm 以上，时间 2~3 秒	焊料在引线浸入部分表面涂布均匀、光滑，面积在 95% 以上
5.2	耐焊接热	将引线浸入 $265 \pm 5^\circ\text{C}$ 的锡液中，液面距电阻体 6mm，时间 5 ± 1 秒	无可见性损伤， $R_{25} \Delta R/R \leq \pm 2\%$
5.3	引线拉伸	固定电阻端，拉力： $20 \pm 1 \text{ N}$ ，时间： 10 ± 1 秒	无可见性损伤， $R_{25} \Delta R/R \leq \pm 2\%$
5.4	温度快速变化	$-55^\circ\text{C} 20\text{min} \rightarrow 25^\circ\text{C} 5\text{min} \rightarrow 250^\circ\text{C} 20\text{min} \rightarrow 25^\circ\text{C} 5\text{min}$ ，反复 5 次	无可见性损伤， $R_{25} \Delta R/R \leq \pm 2\%$
5.5	寒冷	温度： $-55^\circ\text{C} \pm 5^\circ\text{C}$ ，时间：1000 小时	无可见性损伤， $R_{25} \Delta R/R \leq \pm 2\%$
5.6	低气压	气压： $40 \pm 0.1 \text{ kPa}$ ，时间：4 小时	无可见性损伤， $R_{25} \Delta R/R \leq \pm 2\%$
5.7	稳态湿热	温度： $60^\circ\text{C} \pm 1^\circ\text{C}$ ，湿度： $95 \pm 2\%$ ，时间：1000 小时	无可见性损伤， $R_{25} \Delta R/R \leq \pm 2\%$ ，耐电压 $\geq 150/\text{AC} 1\text{min}$ ，绝缘电阻 $\geq 10 \text{ M}\Omega$
5.8	交变湿热	温度： $25 \sim 40^\circ\text{C}$ ，湿度： $90 \pm 2\%$ ，时间：24 小时	无可见性损伤， $R_{25} \Delta R/R \leq \pm 2\%$ ，耐电压 $\geq 700/\text{AC} 1\text{min}$ ，绝缘电阻 $\geq 500 \text{ M}\Omega$
5.9	上限类别温度下零功耗的耐久性	温度： $250^\circ\text{C} \pm 5^\circ\text{C}$ ，时间： 1000 ± 24 小时	无可见性损伤， $R_{25} \Delta R/R \leq \pm 2\%$
5.10	振动	频率范围： $10 \sim 500 \text{ Hz}$ ，振幅： 1.5 mm 或 98 m/S^2 ，时间 2 小时	无可见性损伤， $R_{25} \Delta R/R \leq \pm 2\%$
5.11	碰撞	加速度： 250 m/S^2 ，脉冲持续时间： 6 ms ，碰撞次数：4000 次	无可见性损伤， $R_{25} \Delta R/R \leq \pm 2\%$

6、焊接、使用条件

6.1 焊接时，焊接处距电阻体根部至少 6mm，焊接温度应低于 350°C ，焊接时间应尽量短。

6.2 将产品引线裁剪成所需要的长度时，注意最小长度 $\geq 8 \text{ mm}$ 。

6.3 引线弯曲时弯曲点应距坡壳端 2mm 以上，以免造成玻壳损伤。

7、储存条件

7.1 储存温度： $-10^\circ\text{C} \sim 40^\circ\text{C}$ ；

7.2 储存湿度： $\leq 75\% \text{ RH}$ ；

7.3 避免存放在具有腐蚀性气体及光照的环境下；

7.4 包装打开后需重新密封保存；



8、认证

8.1 质量管理体系认证 ISO9001:2000 (01107Q10009R2M)

8.2 环境管理体系认证 ISO14001:2004 (01107E2002R0M))

8.3 环保检测报告 ROHS (NO. SH9029010/CHEM)

8.4 环保检测报告 REACH (SHR09050693473001C)

8.5  产品 CQC 认证 (CQC09001033986)

8.6  安规认证 UL 1434 认证 (File # E240991)

8.7  江苏省高新技术产品认证 (090115G0149N)



附表 1

阻温特性表

R25=100K Ω 精度: $\pm 5\%$ B25/50=3950K B25/85=4092K 精度: $\pm 2\%$ (P182-6B2)

温度($^{\circ}\text{C}$)	电阻(K Ω)			电阻精度(%)		温度精度($^{\circ}\text{C}$)	
	最小值	中心值	最大值	ΔR	$-\Delta R$	ΔT	$-\Delta T$
-55	18751.200	21986.100	25714.700	16.950	-14.710	1.840	-1.596
-54	16216.300	18957.600	22107.000	16.610	-14.460	1.839	-1.600
-53	14103.400	16440.600	19117.200	16.280	-14.210	1.837	-1.604
-52	12331.200	14335.400	16623.700	15.960	-13.980	1.836	-1.608
-51	10836.000	12564.000	14531.200	15.650	-13.750	1.834	-1.611
-50	9567.440	11064.900	12764.900	15.360	-13.530	1.832	-1.614
-49	8485.250	9789.400	11265.700	15.080	-13.320	1.830	-1.616
-48	7557.350	8698.310	9986.490	14.800	-13.110	1.828	-1.619
-47	6757.830	7760.350	8889.310	14.540	-12.910	1.825	-1.621
-46	6065.700	6950.200	7943.770	14.290	-12.720	1.823	-1.623
-45	5463.850	6247.250	7125.120	14.050	-12.530	1.820	-1.624
-44	4938.270	5634.670	6413.210	13.810	-12.350	1.817	-1.625
-43	4477.410	5098.620	5791.500	13.580	-12.180	1.814	-1.626
-42	4071.730	4627.670	5246.370	13.360	-12.010	1.811	-1.627
-41	3713.270	4212.340	4766.540	13.150	-11.840	1.807	-1.627
-40	3395.420	3844.740	4342.640	12.950	-11.680	1.803	-1.627
-39	3112.600	3518.250	3966.820	12.740	-11.520	1.799	-1.627
-38	2860.130	3227.300	3632.500	12.550	-11.370	1.795	-1.627
-37	2634.050	2967.200	3334.130	12.360	-11.220	1.791	-1.626
-36	2430.980	2733.970	3067.040	12.180	-11.080	1.786	-1.625
-35	2248.060	2524.220	2827.220	12.000	-10.940	1.781	-1.624
-34	2082.840	2335.070	2611.290	11.820	-10.800	1.776	-1.622
-33	1933.220	2164.020	2416.330	11.650	-10.660	1.771	-1.620
-32	1797.370	2008.970	2239.860	11.490	-10.530	1.766	-1.618
-31	1673.730	1868.050	2079.730	11.330	-10.400	1.760	-1.616
-30	1560.940	1739.690	1934.070	11.170	-10.270	1.754	-1.613
-29	1457.830	1622.510	1801.270	11.010	-10.140	1.748	-1.610
-28	1363.360	1515.290	1679.950	10.860	-10.020	1.742	-1.607
-27	1276.630	1417.000	1568.860	10.710	-9.905	1.735	-1.604
-26	1196.850	1326.700	1466.960	10.570	-9.787	1.728	-1.600
-25	1123.340	1243.600	1373.300	10.420	-9.670	1.721	-1.596
-24	1055.480	1166.990	1287.050	10.280	-9.555	1.714	-1.592
-23	992.723	1096.230	1207.500	10.150	-9.442	1.707	-1.588
-22	934.596	1030.770	1134.000	10.010	-9.330	1.699	-1.583
-21	880.674	970.126	1065.990	9.881	-9.220	1.691	-1.578
-20	830.579	913.850	1002.950	9.750	-9.112	1.683	-1.573
-19	783.973	861.555	944.448	9.621	-9.004	1.675	-1.568
-18	740.555	812.895	890.070	9.493	-8.899	1.667	-1.562
-17	700.054	767.557	839.464	9.368	-8.794	1.658	-1.557



阻温特性表

R25=100K Ω 精度: $\pm 5\%$ B25/50=3950K B25/85=4092K 精度: $\pm 2\%$ (P182-6B2)

温度($^{\circ}\text{C}$)	电阻(K Ω)			电阻精度(%)		温度精度($^{\circ}\text{C}$)	
	最小值	中心值	最大值	ΔR	$-\Delta R$	ΔT	$-\Delta T$
-16	662.229	725.262	792.308	9.244	-8.690	1.649	-1.551
-15	626.862	685.759	748.315	9.122	-8.588	1.640	-1.544
-14	593.755	648.823	707.226	9.001	-8.487	1.631	-1.538
-13	562.731	614.249	668.807	8.882	-8.387	1.622	-1.531
-12	533.630	581.853	632.847	8.764	-8.287	1.612	-1.525
-11	506.307	551.468	599.156	8.647	-8.189	1.603	-1.518
-10	480.628	522.943	567.561	8.532	-8.091	1.593	-1.510
-9	456.474	496.140	537.905	8.418	-7.994	1.583	-1.503
-8	433.735	470.934	510.045	8.305	-7.898	1.572	-1.496
-7	412.312	447.211	483.851	8.193	-7.803	1.562	-1.488
-6	392.112	424.866	459.204	8.082	-7.709	1.551	-1.480
-5	373.053	403.803	435.996	7.972	-7.615	1.541	-1.472
-4	355.057	383.937	414.128	7.863	-7.522	1.530	-1.463
-3	338.054	365.185	393.507	7.755	-7.429	1.519	-1.455
-2	321.980	347.475	374.051	7.648	-7.337	1.507	-1.446
-1	306.774	330.738	355.683	7.542	-7.245	1.496	-1.437
0	292.381	314.913	338.332	7.436	-7.154	1.484	-1.428
1	278.751	299.940	321.932	7.332	-7.064	1.473	-1.419
2	265.837	285.767	306.423	7.228	-6.974	1.461	-1.409
3	253.595	272.345	291.750	7.125	-6.884	1.449	-1.400
4	241.984	259.627	277.860	7.022	-6.795	1.436	-1.390
5	230.967	247.572	264.707	6.921	-6.706	1.424	-1.380
6	220.510	236.139	252.244	6.820	-6.618	1.411	-1.370
7	210.580	225.293	240.432	6.719	-6.530	1.399	-1.359
8	201.146	214.999	229.231	6.619	-6.443	1.386	-1.349
9	192.180	205.225	218.607	6.520	-6.356	1.373	-1.338
10	183.657	195.941	208.525	6.422	-6.269	1.360	-1.327
11	175.551	187.121	198.955	6.324	-6.183	1.346	-1.316
12	167.840	178.737	189.867	6.226	-6.097	1.333	-1.305
13	160.502	170.767	181.235	6.129	-6.011	1.319	-1.293
14	153.516	163.187	173.033	6.033	-5.925	1.305	-1.281
15	146.865	155.976	165.237	5.937	-5.840	1.290	-1.269
16	140.531	149.114	157.826	5.842	-5.756	1.276	-1.257
17	134.495	142.582	150.777	5.747	-5.671	1.261	-1.244
18	128.744	136.364	144.073	5.653	-5.587	1.245	-1.231
19	123.262	130.442	137.694	5.559	-5.503	1.229	-1.217
20	118.036	124.800	131.622	5.466	-5.420	1.212	-1.202
21	113.052	119.425	125.843	5.373	-5.336	1.194	-1.186
22	108.298	114.303	120.339	5.281	-5.253	1.173	-1.167
23	103.762	109.420	115.098	5.189	-5.170	1.145	-1.140
24	99.434	104.765	110.106	5.097	-5.088	1.091	-1.089



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阻温特性表

R25=100K Ω 精度: $\pm 5\%$ B25/50=3950K B25/85=4092K 精度: $\pm 2\%$ (P182-6B2)

温度($^{\circ}\text{C}$)	电阻(K Ω)			电阻精度(%)		温度精度($^{\circ}\text{C}$)	
	最小值	中心值	最大值	ΔR	$-\Delta R$	ΔT	$-\Delta T$
25	95.000	100.000	105.000	5.000	-5.000	1.077	-1.077
26	91.214	96.091	100.976	5.083	-5.075	1.279	-1.277
27	87.304	92.051	96.814	5.174	-5.157	1.257	-1.253
28	83.577	88.197	92.840	5.264	-5.238	1.270	-1.263
29	80.023	84.518	89.043	5.353	-5.319	1.290	-1.281
30	76.633	81.007	85.416	5.443	-5.399	1.313	-1.303
31	73.399	77.654	81.950	5.532	-5.479	1.338	-1.326
32	70.314	74.453	78.638	5.621	-5.558	1.365	-1.350
33	67.370	71.395	75.472	5.709	-5.638	1.392	-1.374
34	64.560	68.475	72.445	5.798	-5.716	1.419	-1.399
35	61.878	65.684	69.551	5.886	-5.795	1.447	-1.425
36	59.317	63.018	66.783	5.974	-5.873	1.475	-1.450
37	56.872	60.470	64.136	6.061	-5.950	1.504	-1.476
38	54.536	58.035	61.603	6.148	-6.028	1.533	-1.503
39	52.305	55.706	59.180	6.235	-6.105	1.562	-1.529
40	50.174	53.480	56.861	6.322	-6.181	1.591	-1.556
41	48.137	51.351	54.642	6.408	-6.257	1.621	-1.582
42	46.191	49.314	52.517	6.495	-6.333	1.650	-1.609
43	44.331	47.366	50.484	6.581	-6.409	1.680	-1.637
44	42.552	45.503	48.536	6.666	-6.484	1.711	-1.664
45	40.852	43.719	46.671	6.751	-6.559	1.741	-1.691
46	39.226	42.012	44.885	6.836	-6.633	1.772	-1.719
47	37.670	40.379	43.174	6.921	-6.707	1.803	-1.747
48	36.183	38.815	41.534	7.006	-6.781	1.834	-1.775
49	34.759	37.317	39.963	7.090	-6.854	1.865	-1.803
50	33.398	35.884	38.458	7.174	-6.927	1.896	-1.831
51	32.094	34.510	37.015	7.258	-7.000	1.928	-1.859
52	30.847	33.195	35.632	7.341	-7.072	1.960	-1.888
53	29.653	31.934	34.305	7.424	-7.144	1.992	-1.917
54	28.510	30.727	33.034	7.507	-7.215	2.024	-1.945
55	27.415	29.570	31.814	7.590	-7.286	2.056	-1.974
56	26.366	28.461	30.644	7.672	-7.357	2.089	-2.003
57	25.362	27.397	29.522	7.754	-7.428	2.122	-2.033
58	24.400	26.378	28.445	7.836	-7.498	2.155	-2.062
59	23.478	25.401	27.412	7.917	-7.568	2.188	-2.091
60	22.595	24.464	26.420	7.998	-7.637	2.221	-2.121
61	21.748	23.565	25.469	8.079	-7.706	2.255	-2.151
62	20.937	22.702	24.555	8.160	-7.775	2.289	-2.181
63	20.159	21.875	23.678	8.240	-7.844	2.323	-2.211
64	19.413	21.081	22.835	8.320	-7.912	2.357	-2.241
65	18.698	20.319	22.026	8.400	-7.980	2.391	-2.271



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温度($^{\circ}\text{C}$)	电阻(K Ω)			电阻精度(%)		温度精度($^{\circ}\text{C}$)	
	最小值	中心值	最大值	ΔR	$-\Delta R$	ΔT	$-\Delta T$
66	18.012	19.588	21.249	8.479	-8.047	2.425	-2.302
67	17.353	18.886	20.502	8.559	-8.114	2.460	-2.332
68	16.722	18.212	19.785	8.638	-8.181	2.495	-2.363
69	16.116	17.565	19.096	8.716	-8.247	2.530	-2.394
70	15.535	16.943	18.434	8.795	-8.313	2.565	-2.425
71	14.977	16.346	17.797	8.873	-8.379	2.601	-2.456
72	14.441	15.773	17.185	8.950	-8.444	2.636	-2.487
73	13.926	15.222	16.596	9.028	-8.510	2.672	-2.519
74	13.433	14.692	16.030	9.105	-8.574	2.708	-2.550
75	12.958	14.184	15.486	9.182	-8.639	2.745	-2.582
76	12.503	13.694	14.963	9.259	-8.703	2.781	-2.614
77	12.065	13.224	14.459	9.335	-8.767	2.818	-2.646
78	11.644	12.772	13.974	9.411	-8.830	2.854	-2.678
79	11.240	12.337	13.508	9.487	-8.893	2.891	-2.710
80	10.852	11.919	13.059	9.563	-8.956	2.929	-2.743
81	10.478	11.517	12.627	9.638	-9.018	2.966	-2.775
82	10.119	11.130	12.211	9.713	-9.081	3.003	-2.808
83	9.774	10.758	11.811	9.787	-9.142	3.041	-2.841
84	9.442	10.400	11.425	9.862	-9.204	3.079	-2.874
85	9.104	10.035	11.032	9.940	-9.269	3.116	-2.905
86	8.816	9.723	10.696	10.010	-9.326	3.156	-2.940
87	8.521	9.403	10.352	10.080	-9.387	3.194	-2.973
88	8.236	9.096	10.020	10.150	-9.447	3.233	-3.007
89	7.963	8.799	9.700	10.220	-9.507	3.272	-3.040
90	7.699	8.514	9.391	10.300	-9.567	3.311	-3.074
91	7.446	8.239	9.094	10.370	-9.626	3.350	-3.108
92	7.202	7.974	8.807	10.440	-9.685	3.389	-3.142
93	6.967	7.719	8.531	10.510	-9.744	3.429	-3.176
94	6.741	7.473	8.265	10.590	-9.802	3.469	-3.211
95	6.523	7.236	8.008	10.660	-9.860	3.509	-3.245
96	6.313	7.008	7.760	10.730	-9.918	3.549	-3.280
97	6.110	6.787	7.521	10.800	-9.976	3.589	-3.314
98	5.915	6.575	7.290	10.870	-10.030	3.630	-3.349
99	5.727	6.370	7.067	10.940	-10.090	3.671	-3.384
100	5.546	6.173	6.852	11.010	-10.140	3.712	-3.419
101	5.371	5.982	6.645	11.080	-10.200	3.753	-3.455
102	5.203	5.798	6.445	11.150	-10.250	3.794	-3.490
103	5.041	5.621	6.251	11.220	-10.310	3.836	-3.526
104	4.884	5.449	6.065	11.290	-10.370	3.878	-3.561
105	4.733	5.284	5.884	11.360	-10.420	3.920	-3.597
106	4.587	5.124	5.710	11.420	-10.480	3.962	-3.633



阻温特性表

R25=100K Ω 精度: $\pm 5\%$ B25/50=3950K B25/85=4092K 精度: $\pm 2\%$ (P182-6B2)

温度($^{\circ}\text{C}$)	电阻(K Ω)			电阻精度(%)		温度精度($^{\circ}\text{C}$)	
	最小值	中心值	最大值	ΔR	$-\Delta R$	ΔT	$-\Delta T$
107	4.447	4.970	5.542	11.490	-10.530	4.004	-3.669
108	4.311	4.822	5.379	11.560	-10.580	4.046	-3.705
109	4.180	4.678	5.222	11.630	-10.640	4.089	-3.742
110	4.054	4.539	5.070	11.690	-10.690	4.132	-3.778
111	3.931	4.405	4.923	11.760	-10.750	4.175	-3.815
112	3.814	4.276	4.782	11.830	-10.800	4.218	-3.852
113	3.700	4.150	4.644	11.890	-10.850	4.262	-3.889
114	3.590	4.030	4.512	11.960	-10.900	4.305	-3.926
115	3.484	3.913	4.383	12.030	-10.960	4.349	-3.963
116	3.381	3.800	4.259	12.090	-11.010	4.393	-4.000
117	3.282	3.690	4.139	12.160	-11.060	4.437	-4.037
118	3.186	3.585	4.023	12.220	-11.110	4.482	-4.075
119	3.094	3.483	3.911	12.290	-11.160	4.526	-4.113
120	3.004	3.384	3.802	12.350	-11.220	4.571	-4.151
121	2.917	3.288	3.697	12.420	-11.270	4.616	-4.189
122	2.834	3.196	3.595	12.480	-11.320	4.661	-4.227
123	2.753	3.106	3.496	12.540	-11.370	4.706	-4.265
124	2.675	3.020	3.401	12.610	-11.420	4.752	-4.303
125	2.599	2.936	3.308	12.670	-11.470	4.798	-4.342
126	2.526	2.855	3.218	12.730	-11.520	4.844	-4.381
127	2.455	2.776	3.132	12.800	-11.570	4.890	-4.419
128	2.386	2.700	3.047	12.860	-11.620	4.936	-4.458
129	2.320	2.626	2.966	12.920	-11.660	4.982	-4.497
130	2.256	2.555	2.887	12.980	-11.710	5.029	-4.536
131	2.193	2.486	2.811	13.050	-11.760	5.076	-4.576
132	2.133	2.419	2.736	13.110	-11.810	5.123	-4.615
133	2.075	2.354	2.664	13.170	-11.860	5.170	-4.655
134	2.018	2.291	2.595	13.230	-11.900	5.217	-4.695
135	1.964	2.230	2.527	13.290	-11.950	5.265	-4.734
136	1.911	2.171	2.462	13.350	-12.000	5.313	-4.774
137	1.859	2.114	2.398	13.410	-12.050	5.361	-4.815
138	1.810	2.059	2.336	13.470	-12.090	5.409	-4.855
139	1.761	2.005	2.277	13.530	-12.140	5.457	-4.895
140	1.715	1.953	2.218	13.590	-12.190	5.506	-4.936
141	1.669	1.902	2.162	13.650	-12.230	5.554	-4.976
142	1.625	1.853	2.107	13.710	-12.280	5.603	-5.017
143	1.583	1.806	2.054	13.770	-12.320	5.652	-5.058
144	1.542	1.759	2.003	13.830	-12.370	5.702	-5.099
145	1.502	1.715	1.953	13.890	-12.410	5.751	-5.140
146	1.463	1.671	1.904	13.950	-12.460	5.801	-5.182
147	1.425	1.629	1.857	14.010	-12.500	5.851	-5.223



深圳市晶创和立科技有限公司

阻温特性表

R25=100K Ω 精度: $\pm 5\%$ B25/50=3950K B25/85=4092K 精度: $\pm 2\%$ (P182-6B2)

温度($^{\circ}\text{C}$)	电阻(K Ω)			电阻精度(%)		温度精度($^{\circ}\text{C}$)	
	最小值	中心值	最大值	ΔR	$-\Delta R$	ΔT	$-\Delta T$
148	1.389	1.588	1.811	14.060	-12.550	5.901	-5.265
149	1.353	1.548	1.767	14.120	-12.590	5.951	-5.306
150	1.319	1.510	1.724	14.180	-12.640	6.001	-5.348
151	1.285	1.472	1.682	14.240	-12.680	6.052	-5.390
152	1.253	1.436	1.641	14.290	-12.720	6.103	-5.432
153	1.221	1.400	1.601	14.350	-12.770	6.153	-5.475
154	1.191	1.366	1.563	14.410	-12.810	6.205	-5.517
155	1.161	1.332	1.525	14.470	-12.850	6.256	-5.559
156	1.132	1.300	1.489	14.520	-12.900	6.307	-5.602
157	1.104	1.268	1.454	14.580	-12.940	6.359	-5.645
158	1.077	1.238	1.419	14.630	-12.980	6.411	-5.688
159	1.051	1.208	1.386	14.690	-13.030	6.463	-5.731
160	1.025	1.179	1.353	14.750	-13.070	6.515	-5.774
161	1.000	1.151	1.322	14.800	-13.110	6.568	-5.817
162	0.976	1.124	1.291	14.860	-13.150	6.620	-5.861
163	0.952	1.097	1.261	14.910	-13.190	6.673	-5.904
164	0.929	1.071	1.232	14.970	-13.230	6.726	-5.948
165	0.907	1.046	1.203	15.020	-13.280	6.779	-5.992
166	0.885	1.022	1.176	15.070	-13.320	6.833	-6.036
167	0.864	0.998	1.149	15.130	-13.360	6.886	-6.080
168	0.844	0.975	1.123	15.180	-13.400	6.940	-6.124
169	0.824	0.952	1.097	15.240	-13.440	6.994	-6.168
170	0.805	0.930	1.072	15.290	-13.480	7.048	-6.213
171	0.786	0.909	1.048	15.340	-13.520	7.102	-6.257
172	0.767	0.888	1.025	15.400	-13.560	7.157	-6.302
173	0.750	0.868	1.002	15.450	-13.600	7.211	-6.347
174	0.732	0.848	0.980	15.500	-13.640	7.266	-6.392
175	0.715	0.829	0.958	15.560	-13.680	7.321	-6.437
176	0.699	0.810	0.937	15.610	-13.720	7.376	-6.482
177	0.683	0.792	0.916	15.660	-13.760	7.432	-6.527
178	0.667	0.774	0.896	15.710	-13.790	7.487	-6.573
179	0.652	0.757	0.877	15.770	-13.830	7.543	-6.619
180	0.638	0.740	0.858	15.820	-13.870	7.599	-6.664
181	0.623	0.724	0.839	15.870	-13.910	7.655	-6.710
182	0.609	0.708	0.821	15.920	-13.950	7.711	-6.756
183	0.596	0.692	0.803	15.970	-13.990	7.768	-6.802
184	0.582	0.677	0.786	16.020	-14.030	7.824	-6.849
185	0.569	0.663	0.769	16.080	-14.060	7.881	-6.895
186	0.557	0.648	0.753	16.130	-14.100	7.938	-6.941
187	0.544	0.634	0.737	16.180	-14.140	7.996	-6.988
188	0.532	0.620	0.721	16.230	-14.180	8.053	-7.035



阻温特性表

R25=100K Ω 精度: $\pm 5\%$ B25/50=3950K B25/85=4092K 精度: $\pm 2\%$ (P182-6B2)

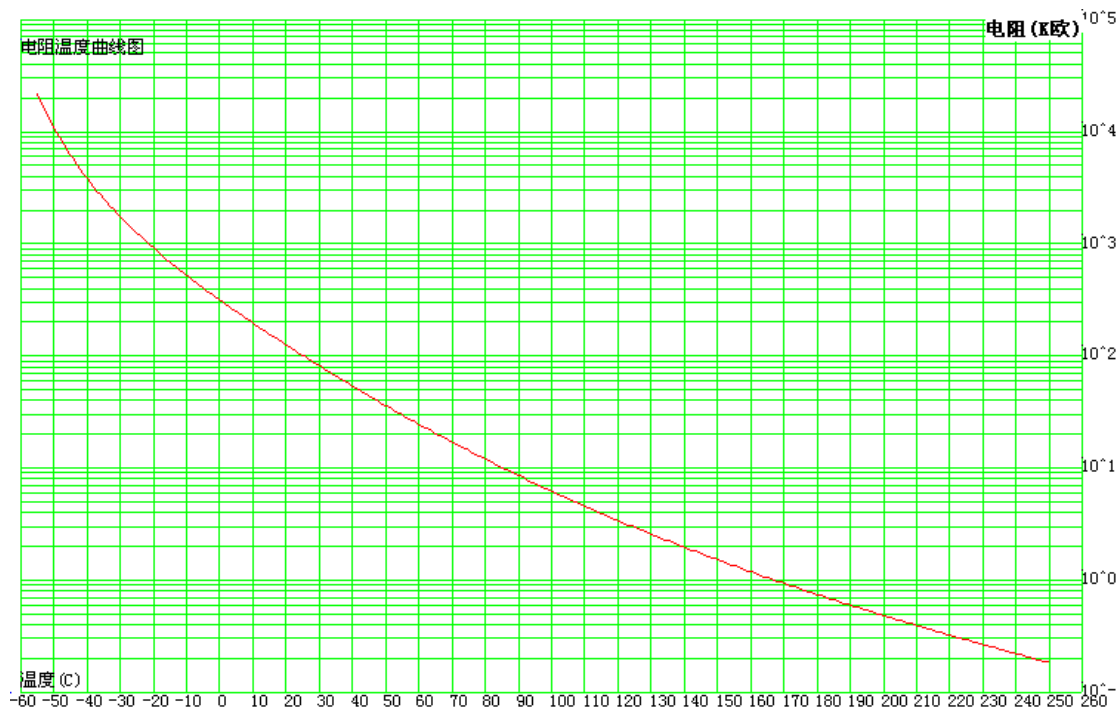
温度($^{\circ}\text{C}$)	电阻(K Ω)			电阻精度(%)		温度精度($^{\circ}\text{C}$)	
	最小值	中心值	最大值	ΔR	$-\Delta R$	ΔT	$-\Delta T$
189	0.521	0.607	0.706	16.280	-14.210	8.110	-7.082
190	0.509	0.594	0.691	16.330	-14.250	8.168	-7.129
191	0.498	0.581	0.677	16.380	-14.290	8.226	-7.176
192	0.488	0.569	0.663	16.430	-14.320	8.284	-7.223
193	0.477	0.557	0.649	16.480	-14.360	8.343	-7.271
194	0.467	0.545	0.636	16.530	-14.400	8.401	-7.318
195	0.457	0.534	0.622	16.580	-14.430	8.460	-7.366
196	0.447	0.523	0.610	16.630	-14.470	8.519	-7.414
197	0.437	0.512	0.597	16.680	-14.510	8.578	-7.462
198	0.428	0.501	0.585	16.730	-14.540	8.637	-7.510
199	0.419	0.491	0.573	16.770	-14.580	8.696	-7.558
200	0.410	0.481	0.561	16.820	-14.610	8.756	-7.606
201	0.402	0.471	0.550	16.870	-14.650	8.816	-7.654
202	0.393	0.461	0.539	16.920	-14.680	8.876	-7.703
203	0.385	0.451	0.528	16.970	-14.720	8.936	-7.752
204	0.377	0.442	0.518	17.020	-14.750	8.996	-7.800
205	0.369	0.433	0.507	17.060	-14.790	9.057	-7.849
206	0.361	0.424	0.497	17.110	-14.820	9.117	-7.898
207	0.354	0.416	0.487	17.160	-14.860	9.178	-7.948
208	0.347	0.407	0.478	17.210	-14.890	9.239	-7.997
209	0.340	0.399	0.468	17.260	-14.930	9.301	-8.046
210	0.333	0.391	0.459	17.300	-14.960	9.362	-8.096
211	0.326	0.383	0.450	17.350	-15.000	9.424	-8.146
212	0.319	0.376	0.441	17.400	-15.030	9.485	-8.195
213	0.313	0.368	0.433	17.440	-15.060	9.547	-8.245
214	0.306	0.361	0.424	17.490	-15.100	9.609	-8.295
215	0.300	0.354	0.416	17.540	-15.130	9.672	-8.345
216	0.294	0.347	0.408	17.580	-15.170	9.734	-8.396
217	0.288	0.340	0.400	17.630	-15.200	9.797	-8.446
218	0.283	0.334	0.393	17.680	-15.230	9.860	-8.497
219	0.277	0.327	0.385	17.720	-15.270	9.923	-8.547
220	0.272	0.321	0.378	17.770	-15.300	9.986	-8.598
221	0.266	0.314	0.371	17.820	-15.330	10.040	-8.649
222	0.261	0.308	0.364	17.860	-15.370	10.110	-8.700
223	0.256	0.302	0.357	17.910	-15.400	10.170	-8.751
224	0.251	0.297	0.350	17.950	-15.430	10.240	-8.802
225	0.246	0.291	0.343	18.000	-15.460	10.300	-8.854
226	0.241	0.285	0.337	18.040	-15.500	10.360	-8.905
227	0.236	0.280	0.331	18.090	-15.530	10.430	-8.957
228	0.232	0.275	0.325	18.140	-15.560	10.490	-9.009
229	0.227	0.269	0.319	18.180	-15.590	10.560	-9.061



阻温特性表

R25=100K Ω 精度: $\pm 5\%$ B25/50=3950K B25/85=4092K 精度: $\pm 2\%$ (P182-6B2)

温度($^{\circ}\text{C}$)	电阻(K Ω)			电阻精度(%)		温度精度($^{\circ}\text{C}$)	
	最小值	中心值	最大值	ΔR	$-\Delta R$	ΔT	$-\Delta T$
230	0.223	0.264	0.313	18.230	-15.630	10.620	-9.113
231	0.219	0.259	0.307	18.270	-15.660	10.690	-9.165
232	0.215	0.255	0.301	18.310	-15.690	10.750	-9.217
233	0.210	0.250	0.296	18.360	-15.720	10.820	-9.270
234	0.206	0.245	0.290	18.400	-15.750	10.890	-9.322
235	0.202	0.241	0.285	18.450	-15.780	10.950	-9.375
236	0.199	0.236	0.280	18.490	-15.820	11.020	-9.427
237	0.195	0.232	0.275	18.540	-15.850	11.080	-9.480
238	0.191	0.227	0.270	18.580	-15.880	11.150	-9.533
239	0.188	0.223	0.265	18.630	-15.910	11.220	-9.586
240	0.184	0.219	0.260	18.670	-15.940	11.280	-9.640
241	0.181	0.215	0.255	18.710	-15.970	11.350	-9.693
242	0.177	0.211	0.251	18.760	-16.000	11.420	-9.746
243	0.174	0.207	0.246	18.800	-16.030	11.490	-9.800
244	0.171	0.204	0.242	18.840	-16.060	11.550	-9.854
245	0.168	0.200	0.238	18.890	-16.100	11.620	-9.908
246	0.165	0.196	0.233	18.930	-16.130	11.690	-9.962
247	0.161	0.193	0.229	18.970	-16.160	11.760	-10.010
248	0.159	0.189	0.225	19.020	-16.190	11.830	-10.070
249	0.156	0.186	0.221	19.060	-16.220	11.890	-10.120
250	0.153	0.182	0.217	19.100	-16.250	11.960	-10.170





附表:2

电阻误差曲线图

