



南京时恒电子科技有限公司

规格承认书

APPROVAL SHEET

客户名称:

CUSTOMER 深圳立创电子商务 20161011010

产品名称:

PART NAME MF58 玻壳测温型 NTC 热敏电阻器

产品规格:

PART NUMBER MF58-104 J3950 (UL: E240991)

日期:

DATE 2016年 10月 11日

确 认

CONFIRM

客户

品保部: _____

制造部: _____

工程部: _____

供货商/制造商

规格书制作: 鞠晓丽

技术部审核: _____

品质部审核: _____

生产部审核: _____

南京时恒电子科技有限公司

地址: 南京市江宁区湖熟镇金阳路 18 号

TEL: 025-52121868

Http: //www.shiheng.com.cn

邮编: 211121

FAX: 025-52122373

[E-MAIL:sales@shiheng.com.cn](mailto:sales@shiheng.com.cn)





南京时恒电子科技有限公司

MF58 玻壳测温型 NTC 热敏电阻器

型号: MF58-104J3950

本规格书提供了南京时恒电子科技有限公司生产的 MF58 系列 NTC 热敏电阻的结构尺寸、产品性能、试验条件、使用要求的描述, 敬请贵司确认。
对本规格书产生疑义时, 请速与我们联系 (025-52121868), 若无疑义请确认回传, 若无回传, 我司将视为默认。
贵公司改变使用用途, 作用方法时, 请与我们联系。

客户名称:		
客户确认	确认:	时间:
	审核:	时间:

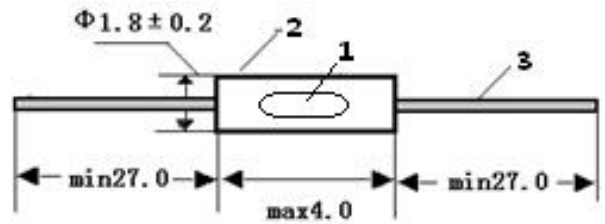
1. 电气性能

	项目	符号	测试条件	单位	性能要求
1.1	25℃的零功率电阻值	R ₂₅	T _a =25±0.05℃ 测试功率≤0.1mw	KΩ	100KΩ±5%
1.2	B 值	B _{25/50}	$B = \frac{(T_a \times T_b) / (T_b - T_a)}{\ln(R_a/R_b)}$ T _b =50℃±0.05℃	K	3950±1%
1.3	耗散系数	δ	静止空气中	mW/℃	≥2
1.4	时间常数	τ	静止空气中	sec	≤20
1.5	耐电压	/	1500V/AC 1min	/	无击穿或飞弧
1.6	绝缘电阻	/	500V/DC 1min	MΩ	≥500
1.7	工作温度范围	/	/	℃	-55~195
1.8	最大额定功率	P _{max}	/	mW	50
1.9	阻温特性	/	/	/	见附表 1
1.10	阻值误差	/	/	/	见附表 2

2. 可靠性

项目	测试条件及方法	技术要求
2.1 引出端强度	固定电阻端, 拉力: 10±1 N, 时间: 10±1 秒	无可见性损伤 R ₂₅ ΔR/R≤±2%
2.2 可焊性	温度 245±5℃ 时间 2-3 秒	着锡面积≥95%
2.3 耐焊接热	锡锅温度: 260±5℃, 浸入深度距电阻体 6mm, 时间 5±1 秒	R ₂₅ ΔR/R≤±2%
2.4 稳态湿热	温度: 40℃±2℃, 湿度: 93±2%, 时间: 500 小时	R ₂₅ ΔR/R≤±2%
2.5 温度快速变化	-55℃30min→25℃5min→195℃30min→25℃5min, 反复 5 次	R ₂₅ ΔR/R≤±2%
2.6 高温储存	温度: 195℃±5℃, 时间: 1000 小时	R ₂₅ ΔR/R≤±2%
2.7 低温储存	温度: -55℃±5℃, 时间: 1000 小时	R ₂₅ ΔR/R≤±2%

4. 外形尺寸: (单位: mm)



序号	名称	材料规格	数量	备注
1	元件	NTC 热敏电阻 (芯片)	1	
2	外壳	玻璃	1	
3	导线	Φ0.5±0.05 镀锡钢线	2	

5. 产品型号说明

MF58 104 J 3950

- ① MF58: 玻壳测温型 NTC 热敏电阻
② 104: 25℃的零功率电阻值 100KΩ
③ J: 阻值精度代码 F-±1% G-±2% H-±3% J-±10%
④ 3950: B_{25/50} 值 3950K

6. 认证

- 6.1 质量管理体系认证 ISO9001:2008 (01115Q20270R5M)
ISO/TS16949: 2009 (0192416)
6.2 环境管理体系认证 ISO14001:2004 (01113E20060R2M)
6.3 环保检测报告 ROHS
6.4 CQC 产品 CQC 认证 (CQC09001033986)
6.5 江苏省高新技术产品认证 (150115G0377N)
6.6 UL 安规认证 UL 1434 认证 (File # E240991)

3. 使用注意事项

- 本产品的用途: 温度测量与控制;
- 避免流过热敏电阻芯片的电流引起元件自身发热而产生测量误差;
- 烙铁焊接时, 焊接处距玻壳端距离至少 2mm, 焊接温度应低于 360℃, 焊接时间<3ses;
- 若引线弯曲时, 弯曲点应距玻壳端 2mm 以上, 以免造成玻壳损伤;
- 储存温度: -10℃ ~ 40℃; 储存湿度: ≤75% RH;
- 避免存放在具有腐蚀性气体及光照的环境下;
- 包装打开后需重新密封保存。

电话: 025-52121868
传真: 025-52122373
邮编: 211121

地址: 南京市江宁区湖熟镇金阳路 18 号
邮箱: sales@shiheng.com.cn
网址: Http://www.shiheng.com.cn



附表 1

南京时恒阻温特性表

R25=100K Ω 精度: $\pm 5\%$ B25/50=3950K B25/85=4092K 精度: $\pm 1\%$ (P182-6B2)

温度(°C)	电阻(k Ω)			电阻精度(%)		温度精度(°C)	
	最小值	中心值	最大值	ΔR	$-\Delta R$	ΔT	$-\Delta T$
-55	6384.080	7011.860	7682.120	9.558	-8.953	1.316	-1.233
-54	6076.130	6670.290	7304.250	9.504	-8.907	1.313	-1.231
-53	5774.070	6335.440	6934.000	9.447	-8.860	1.311	-1.230
-52	5479.250	6008.770	6572.980	9.389	-8.812	1.309	-1.228
-51	5192.770	5691.510	6222.570	9.330	-8.762	1.307	-1.227
-50	4915.530	5384.660	5883.820	9.269	-8.712	1.305	-1.226
-49	4648.230	5088.980	5557.590	9.208	-8.660	1.303	-1.226
-48	4391.390	4805.020	5244.470	9.145	-8.608	1.301	-1.225
-47	4145.340	4533.160	4944.860	9.082	-8.555	1.300	-1.225
-46	3910.300	4273.610	4658.990	9.017	-8.501	1.299	-1.224
-45	3686.330	4026.430	4386.910	8.952	-8.446	1.297	-1.224
-44	3473.400	3791.580	4128.550	8.887	-8.391	1.296	-1.224
-43	3271.370	3568.880	3883.710	8.821	-8.336	1.295	-1.224
-42	3080.040	3358.100	3652.110	8.755	-8.280	1.294	-1.224
-41	2899.130	3158.930	3433.400	8.688	-8.224	1.293	-1.224
-40	2728.330	2971.000	3227.160	8.622	-8.167	1.292	-1.224
-39	2567.270	2793.890	3032.920	8.555	-8.111	1.291	-1.224
-38	2415.560	2627.180	2850.190	8.488	-8.054	1.290	-1.224
-37	2272.810	2470.400	2678.460	8.421	-7.998	1.289	-1.224
-36	2138.600	2323.090	2517.190	8.355	-7.941	1.288	-1.225
-35	2012.500	2184.770	2365.860	8.288	-7.885	1.288	-1.225
-34	1894.100	2054.980	2223.950	8.222	-7.828	1.287	-1.225
-33	1782.980	1933.240	2090.930	8.156	-7.772	1.286	-1.225
-32	1678.740	1819.110	1966.290	8.090	-7.716	1.285	-1.226
-31	1580.980	1712.140	1849.540	8.025	-7.660	1.285	-1.226
-30	1489.320	1611.900	1740.200	7.959	-7.604	1.284	-1.226
-29	1403.390	1517.980	1637.830	7.895	-7.549	1.283	-1.227
-28	1322.830	1430.000	1541.980	7.830	-7.493	1.282	-1.227
-27	1247.320	1347.570	1452.230	7.766	-7.438	1.281	-1.227
-26	1176.540	1270.350	1368.210	7.703	-7.384	1.281	-1.228
-25	1110.180	1198.000	1289.520	7.640	-7.330	1.280	-1.228
-24	1047.960	1130.190	1215.830	7.577	-7.276	1.279	-1.228
-23	989.614	1066.650	1146.810	7.515	-7.222	1.278	-1.228
-22	934.881	1007.070	1082.140	7.453	-7.169	1.277	-1.228
-21	883.528	951.217	1021.530	7.392	-7.116	1.276	-1.228
-20	835.333	898.820	964.714	7.331	-7.063	1.275	-1.229
-19	790.087	849.657	911.435	7.270	-7.011	1.274	-1.228
-18	747.596	803.514	861.455	7.210	-6.959	1.273	-1.228
-17	707.679	760.189	814.555	7.151	-6.907	1.272	-1.228

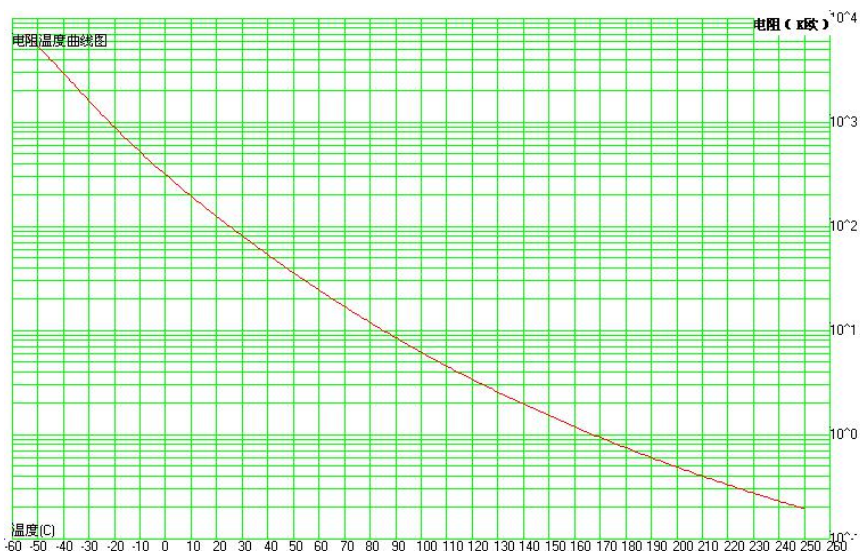
-16	670.164	719.495	770.526	7.092	-6.856	1.270	-1.228
-15	634.894	681.256	729.177	7.034	-6.805	1.269	-1.228
-14	601.721	645.311	690.329	6.976	-6.754	1.268	-1.228
-13	570.507	611.507	653.815	6.918	-6.704	1.266	-1.227
-12	541.124	579.703	619.479	6.861	-6.654	1.265	-1.227
-11	513.453	549.768	587.179	6.804	-6.605	1.263	-1.226
-10	487.383	521.579	556.779	6.748	-6.556	1.262	-1.226
-9	462.811	495.024	528.155	6.692	-6.507	1.260	-1.225
-8	439.639	469.995	501.192	6.637	-6.458	1.258	-1.224
-7	417.779	446.396	475.781	6.582	-6.410	1.256	-1.224
-6	397.147	424.134	451.822	6.528	-6.362	1.254	-1.223
-5	377.665	403.123	429.222	6.474	-6.315	1.253	-1.222
-4	359.262	383.286	407.894	6.420	-6.267	1.250	-1.221
-3	341.870	364.548	387.758	6.366	-6.220	1.248	-1.220
-2	325.426	346.840	368.740	6.314	-6.174	1.246	-1.219
-1	309.871	330.099	350.768	6.261	-6.127	1.244	-1.217
0	296.468	315.680	335.296	6.214	-6.085	1.238	-1.212
1	281.219	299.283	317.711	6.157	-6.035	1.239	-1.215
2	268.023	285.101	302.509	6.105	-5.990	1.237	-1.213
3	255.521	271.671	288.120	6.054	-5.944	1.234	-1.212
4	243.671	258.947	274.494	6.003	-5.899	1.231	-1.210
5	232.434	246.889	261.587	5.953	-5.854	1.229	-1.208
6	221.776	235.457	249.356	5.903	-5.810	1.226	-1.206
7	211.663	224.614	237.760	5.853	-5.765	1.223	-1.205
8	202.063	214.326	226.764	5.803	-5.721	1.220	-1.203
9	192.947	204.561	216.332	5.754	-5.677	1.217	-1.201
10	184.287	195.290	206.431	5.705	-5.633	1.214	-1.199
11	176.059	186.484	197.032	5.656	-5.590	1.211	-1.196
12	168.237	178.117	188.106	5.607	-5.546	1.207	-1.194
13	160.800	170.165	179.626	5.559	-5.503	1.204	-1.192
14	153.726	162.605	171.568	5.511	-5.460	1.201	-1.189
15	146.996	155.416	163.908	5.464	-5.417	1.197	-1.187
16	140.590	148.577	156.624	5.416	-5.375	1.194	-1.185
17	134.492	142.068	149.697	5.369	-5.332	1.190	-1.182
18	128.685	135.874	143.105	5.322	-5.290	1.186	-1.179
19	123.153	129.976	136.833	5.275	-5.248	1.183	-1.177
20	117.883	124.358	130.861	5.229	-5.206	1.179	-1.174
21	112.861	119.008	125.176	5.182	-5.165	1.175	-1.171
22	108.073	113.909	119.760	5.136	-5.123	1.171	-1.168
23	103.507	109.049	114.601	5.091	-5.082	1.167	-1.165
24	99.153	104.417	109.685	5.045	-5.041	1.163	-1.162
25	95.000	100.000	105.000	5.000	-5.000	1.160	-1.160
26	90.958	95.786	100.619	5.045	-5.040	1.176	-1.175
27	87.104	91.767	96.438	5.090	-5.081	1.192	-1.190
28	83.428	87.932	92.448	5.135	-5.122	1.210	-1.206

29	79.922	84.272	88.638	5.179	-5.162	1.227	-1.222
30	76.576	80.779	84.999	5.224	-5.202	1.244	-1.239
31	73.383	77.443	81.523	5.268	-5.242	1.261	-1.255
32	70.335	74.258	78.203	5.312	-5.282	1.278	-1.271
33	67.425	71.215	75.030	5.357	-5.321	1.296	-1.287
34	64.646	68.309	71.998	5.400	-5.361	1.313	-1.304
35	61.992	65.532	69.100	5.444	-5.400	1.331	-1.320
36	59.457	62.878	66.329	5.488	-5.439	1.349	-1.337
37	57.035	60.341	63.679	5.531	-5.478	1.366	-1.353
38	54.720	57.916	61.145	5.575	-5.517	1.384	-1.370
39	52.508	55.597	58.721	5.618	-5.556	1.402	-1.387
40	50.394	53.380	56.402	5.661	-5.594	1.420	-1.404
41	48.372	51.259	54.183	5.704	-5.632	1.438	-1.420
42	46.438	49.230	52.059	5.746	-5.670	1.457	-1.437
43	44.590	47.289	50.027	5.789	-5.708	1.475	-1.454
44	42.821	45.432	48.081	5.831	-5.746	1.493	-1.472
45	41.129	43.654	46.218	5.873	-5.784	1.512	-1.489
46	39.510	41.952	44.434	5.916	-5.821	1.531	-1.506
47	37.961	40.323	42.726	5.957	-5.858	1.549	-1.523
48	36.478	38.764	41.089	5.999	-5.896	1.568	-1.541
49	35.059	37.270	39.522	6.041	-5.933	1.587	-1.558
50	33.700	35.840	38.020	6.082	-5.969	1.606	-1.576
51	32.399	34.469	36.580	6.124	-6.006	1.625	-1.594
52	31.153	33.156	35.201	6.165	-6.042	1.644	-1.611
53	29.959	31.898	33.878	6.206	-6.079	1.663	-1.629
54	28.816	30.693	32.610	6.247	-6.115	1.683	-1.647
55	27.721	29.538	31.395	6.288	-6.151	1.702	-1.665
56	26.671	28.430	30.229	6.328	-6.187	1.722	-1.683
57	25.665	27.368	29.111	6.369	-6.223	1.741	-1.701
58	24.701	26.350	28.039	6.409	-6.258	1.761	-1.720
59	23.777	25.374	27.010	6.449	-6.293	1.781	-1.738
60	22.891	24.437	26.023	6.489	-6.329	1.801	-1.756
61	22.041	23.539	25.076	6.529	-6.364	1.821	-1.775
62	21.226	22.678	24.167	6.569	-6.399	1.841	-1.793
63	20.445	21.851	23.295	6.609	-6.433	1.861	-1.812
64	19.695	21.057	22.457	6.648	-6.468	1.882	-1.831
65	18.976	20.296	21.653	6.687	-6.502	1.902	-1.849
66	18.286	19.565	20.881	6.727	-6.537	1.923	-1.868
67	17.624	18.863	20.140	6.766	-6.571	1.943	-1.887
68	16.988	18.189	19.427	6.804	-6.605	1.964	-1.906
69	16.378	17.542	18.743	6.843	-6.639	1.985	-1.926
70	15.792	16.921	18.086	6.882	-6.672	2.006	-1.945
71	15.229	16.324	17.454	6.920	-6.706	2.027	-1.964
72	14.689	15.751	16.847	6.958	-6.739	2.048	-1.984
73	14.170	15.200	16.264	6.996	-6.772	2.069	-2.003

74	13.672	14.671	15.703	7.034	-6.805	2.091	-2.023
75	13.193	14.162	15.164	7.072	-6.838	2.112	-2.042
76	12.733	13.673	14.645	7.110	-6.871	2.134	-2.062
77	12.291	13.203	14.146	7.147	-6.904	2.155	-2.082
78	11.866	12.751	13.667	7.184	-6.936	2.177	-2.102
79	11.458	12.316	13.206	7.222	-6.968	2.199	-2.122
80	11.065	11.898	12.762	7.259	-7.000	2.221	-2.142
81	10.688	11.496	12.335	7.296	-7.032	2.243	-2.162
82	10.324	11.109	11.924	7.332	-7.064	2.265	-2.182
83	9.975	10.737	11.528	7.369	-7.096	2.288	-2.203
84	9.639	10.379	11.148	7.405	-7.127	2.310	-2.223
85	9.316	10.035	10.781	7.442	-7.159	2.333	-2.244
86	9.005	9.703	10.428	7.478	-7.190	2.355	-2.264
87	8.706	9.383	10.089	7.514	-7.221	2.378	-2.285
88	8.418	9.076	9.761	7.549	-7.252	2.401	-2.306
89	8.141	8.780	9.446	7.585	-7.283	2.424	-2.327
90	7.874	8.495	9.142	7.621	-7.313	2.447	-2.348
91	7.617	8.220	8.850	7.656	-7.344	2.470	-2.369
92	7.369	7.956	8.568	7.691	-7.374	2.493	-2.390
93	7.131	7.701	8.296	7.726	-7.404	2.516	-2.411
94	6.901	7.455	8.034	7.761	-7.434	2.540	-2.433
95	6.680	7.219	7.781	7.796	-7.464	2.563	-2.454
96	6.466	6.990	7.538	7.831	-7.494	2.587	-2.476
97	6.261	6.770	7.303	7.865	-7.523	2.611	-2.497
98	6.063	6.558	7.076	7.899	-7.553	2.635	-2.519
99	5.872	6.354	6.858	7.934	-7.582	2.659	-2.541
100	5.703	6.173	6.664	7.965	-7.609	2.684	-2.564
101	5.510	5.966	6.444	8.002	-7.640	2.707	-2.585
102	5.339	5.783	6.248	8.035	-7.669	2.731	-2.607
103	5.174	5.606	6.058	8.069	-7.698	2.755	-2.629
104	5.015	5.435	5.875	8.102	-7.726	2.780	-2.651
105	4.861	5.270	5.699	8.136	-7.755	2.805	-2.673
106	4.713	5.111	5.528	8.169	-7.783	2.829	-2.696
107	4.570	4.957	5.364	8.202	-7.811	2.854	-2.718
108	4.432	4.809	5.205	8.235	-7.839	2.879	-2.741
109	4.298	4.666	5.051	8.267	-7.867	2.904	-2.763
110	4.170	4.527	4.903	8.300	-7.895	2.929	-2.786
111	4.045	4.394	4.760	8.332	-7.922	2.954	-2.809
112	3.925	4.264	4.621	8.365	-7.950	2.980	-2.832
113	3.809	4.140	4.487	8.397	-7.977	3.005	-2.855
114	3.697	4.019	4.358	8.429	-8.004	3.031	-2.878
115	3.589	3.903	4.233	8.461	-8.031	3.056	-2.901
116	3.484	3.790	4.112	8.493	-8.058	3.082	-2.924
117	3.383	3.681	3.995	8.524	-8.085	3.108	-2.948
118	3.286	3.576	3.882	8.556	-8.112	3.134	-2.971

119	3.191	3.474	3.772	8.587	-8.138	3.160	-2.995
120	3.100	3.376	3.667	8.618	-8.165	3.186	-3.018
121	3.012	3.280	3.564	8.649	-8.191	3.212	-3.042
122	2.926	3.188	3.465	8.680	-8.217	3.238	-3.066
123	2.844	3.099	3.369	8.711	-8.243	3.265	-3.089
124	2.764	3.013	3.276	8.742	-8.269	3.291	-3.113
125	2.686	2.929	3.186	8.772	-8.295	3.318	-3.137
126	2.611	2.849	3.099	8.803	-8.320	3.345	-3.161
127	2.539	2.770	3.015	8.833	-8.346	3.372	-3.186
128	2.469	2.695	2.933	8.863	-8.371	3.399	-3.210
129	2.401	2.621	2.854	8.893	-8.397	3.426	-3.234
130	2.335	2.550	2.778	8.923	-8.422	3.453	-3.259
131	2.272	2.481	2.704	8.953	-8.447	3.480	-3.283
132	2.210	2.415	2.632	8.983	-8.472	3.508	-3.308
133	2.151	2.350	2.562	9.012	-8.496	3.535	-3.333
134	2.093	2.288	2.495	9.042	-8.521	3.563	-3.357
135	2.037	2.227	2.429	9.071	-8.546	3.590	-3.382
136	1.982	2.168	2.366	9.100	-8.570	3.618	-3.407
137	1.930	2.111	2.304	9.129	-8.594	3.646	-3.432
138	1.879	2.056	2.245	9.158	-8.619	3.674	-3.457
139	1.829	2.003	2.187	9.187	-8.643	3.702	-3.483
140	1.782	1.951	2.131	9.216	-8.667	3.730	-3.508
141	1.735	1.900	2.076	9.244	-8.691	3.758	-3.533
142	1.690	1.852	2.023	9.272	-8.714	3.787	-3.559
143	1.646	1.804	1.972	9.301	-8.738	3.815	-3.584
144	1.604	1.758	1.922	9.329	-8.762	3.844	-3.610
145	1.563	1.714	1.874	9.357	-8.785	3.872	-3.636
146	1.523	1.670	1.827	9.385	-8.808	3.901	-3.661
147	1.484	1.628	1.782	9.413	-8.832	3.930	-3.687
148	1.447	1.588	1.737	9.441	-8.855	3.959	-3.713
149	1.410	1.548	1.695	9.468	-8.878	3.988	-3.739
150	1.375	1.510	1.653	9.496	-8.901	4.017	-3.765
151	1.341	1.472	1.612	9.523	-8.923	4.047	-3.792
152	1.307	1.436	1.573	9.551	-8.946	4.076	-3.818
153	1.275	1.401	1.535	9.578	-8.969	4.105	-3.844
154	1.244	1.367	1.498	9.605	-8.991	4.135	-3.871
155	1.213	1.333	1.462	9.632	-9.013	4.165	-3.897
156	1.183	1.301	1.427	9.659	-9.036	4.194	-3.924
157	1.155	1.270	1.393	9.685	-9.058	4.224	-3.951
158	1.127	1.239	1.360	9.712	-9.080	4.254	-3.977
159	1.099	1.210	1.327	9.739	-9.102	4.284	-4.004
160	1.073	1.181	1.296	9.765	-9.124	4.315	-4.031
161	1.047	1.153	1.266	9.791	-9.146	4.345	-4.058
162	1.022	1.126	1.236	9.817	-9.167	4.375	-4.085
163	0.998	1.099	1.207	9.844	-9.189	4.406	-4.113

164	0.974	1.073	1.179	9.870	-9.210	4.436	-4.140
165	0.952	1.048	1.152	9.896	-9.232	4.467	-4.167
166	0.929	1.024	1.126	9.921	-9.253	4.498	-4.195
167	0.908	1.000	1.100	9.947	-9.274	4.529	-4.222
168	0.886	0.977	1.075	9.973	-9.296	4.559	-4.250
169	0.866	0.955	1.050	9.998	-9.317	4.591	-4.278
170	0.846	0.933	1.027	10.020	-9.338	4.622	-4.305
171	0.826	0.912	1.004	10.040	-9.358	4.653	-4.333
172	0.808	0.891	0.981	10.070	-9.379	4.684	-4.361
173	0.789	0.871	0.959	10.090	-9.400	4.716	-4.389
174	0.771	0.852	0.938	10.120	-9.420	4.747	-4.417
175	0.754	0.832	0.917	10.140	-9.441	4.779	-4.445
176	0.737	0.814	0.897	10.170	-9.461	4.811	-4.474
177	0.720	0.796	0.877	10.190	-9.482	4.843	-4.502
178	0.704	0.778	0.858	10.220	-9.502	4.875	-4.531
179	0.689	0.761	0.839	10.240	-9.522	4.907	-4.559
180	0.673	0.744	0.821	10.270	-9.542	4.939	-4.588
181	0.658	0.728	0.803	10.290	-9.562	4.971	-4.616
182	0.644	0.712	0.786	10.320	-9.582	5.003	-4.645
183	0.630	0.697	0.769	10.340	-9.602	5.036	-4.674
184	0.616	0.682	0.753	10.360	-9.621	5.068	-4.703
185	0.603	0.667	0.737	10.390	-9.641	5.101	-4.732
186	0.590	0.653	0.721	10.410	-9.661	5.134	-4.761
187	0.577	0.639	0.706	10.440	-9.680	5.167	-4.790
188	0.565	0.625	0.691	10.460	-9.699	5.199	-4.819
189	0.553	0.612	0.676	10.480	-9.719	5.232	-4.849
190	0.541	0.599	0.662	10.510	-9.738	5.266	-4.878
191	0.529	0.587	0.648	10.530	-9.757	5.299	-4.908
192	0.518	0.574	0.635	10.550	-9.776	5.332	-4.937
193	0.507	0.562	0.622	10.580	-9.795	5.366	-4.967
194	0.497	0.551	0.609	10.600	-9.814	5.399	-4.996
195	0.486	0.539	0.597	10.620	-9.833	5.433	-5.026



附表:2

南京时恒电阻误差曲线图

