



编号: JK/JXE200410008-A

南京时恒电子科技有限公司

规格承认书

APPROVAL SHEET

客户名称:

CUSTOMER _____

产品名称:

PART NAME MF58 玻壳测温型 NTC 热敏电阻器

产品规格:

PART NUMBER MF58-104J3950 (UL: E240991)

日期:

DATE 2021年06月04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: 王月婷

业务员审核: _____

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品质部审核: 李竹媛

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南京时恒电子科技有限公司

MF58 玻壳测温型 NTC 热敏电阻器

版本 2.0

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、使用要求等参数, 敬请贵司确认。 对本规格书产生疑问时, 请速与我们联系 (025-52121868), 若无疑问请确认回传, 若无回传, 我司将视为默认。 贵公司改变产品用途、使用方法时, 请与我们联系!	客户名称:		
	客 户 确 认	确认:	时间:
	审核:	时间:	

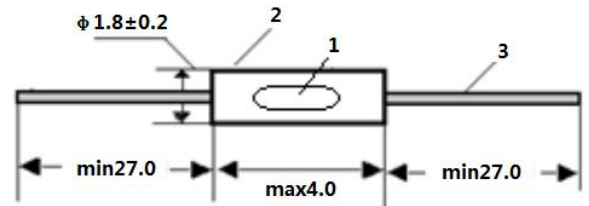
1. 电气性能

	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=25±0.01℃ 测试功率≤0.1mw	KΩ	100KΩ±5%
1.2	B 值	B _{25/50}	$B = [(T_a \times T_b) / (T_b - T_a)] \times \ln(R_a / R_b)$ T _a =25℃±0.01℃ T _b =50℃±0.01℃	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	/	/	℃	-55~250
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→250℃30min→25℃5min, 反复 5 次	R ₂₅ ΔR/R≤±2%
2.6 高温储存	温度: 250℃±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%

5. 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	1	
2	外壳	玻璃	1	
3	导线	Φ0.5±0.05 镀锡钢线	2	

3. 使用注意事项

- 本产品的用途: 温度测量与控制;
- 避免过大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, 贮存期 1 年, 超过贮存期, 可按本标准的规定重新检验, 如符合要求仍可使用;
- 如在加工过程中需使用热缩管, 热缩管热缩时不可使用电吹风进行吹制, 建议热缩工艺, 将套好热缩管后的产品放入恒温烘箱中, 按 110℃/10-12min 进行热缩;

4. 认证

- 质量管理体系认证 ISO9001:2015
IATF16949:2016
- 环境管理体系认证 ISO14001:2015
- 环保检测报告 ROHS
- CQC 产品 CQC 认证
- 江苏省高新技术产品认证
- UL 安规认证 UL 1434 认证(File # E240991)

电 话: 025-52121868
传 真: 025-52122373
邮 编: 211121

6. 产品型号说明

MF58 104 J 3950

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

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附表 1

南京时恒电子科技有限公司

R25=100K Ω 精度: $\pm 5\%$				B25/50=3950K 精度: $\pm 1\%$ (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	8094.570	8911.890	9787.210	9.821	-9.171	1.280	-1.195
-54	7430.170	8173.330	8968.350	9.726	-9.092	1.282	-1.199
-53	6839.620	7517.420	8241.740	9.635	-9.016	1.284	-1.202
-52	6311.960	6931.850	7593.580	9.546	-8.942	1.286	-1.204
-51	5838.210	6406.520	7012.580	9.460	-8.870	1.287	-1.207
-50	5410.980	5933.150	6489.440	9.376	-8.800	1.288	-1.209
-49	5024.130	5504.850	6016.470	9.294	-8.732	1.290	-1.212
-48	4672.560	5115.880	5587.260	9.214	-8.665	1.290	-1.214
-47	4351.950	4761.440	5196.430	9.135	-8.599	1.291	-1.215
-46	4058.690	4437.460	4839.440	9.058	-8.535	1.291	-1.217
-45	3789.700	4140.490	4512.440	8.983	-8.472	1.292	-1.218
-44	3542.330	3867.590	4212.150	8.908	-8.409	1.292	-1.220
-43	3314.340	3616.230	3935.750	8.835	-8.348	1.292	-1.221
-42	3103.770	3384.230	3680.820	8.763	-8.287	1.292	-1.222
-41	2908.920	3169.700	3445.230	8.692	-8.227	1.292	-1.223
-40	2728.330	2971.000	3227.160	8.622	-8.167	1.292	-1.224
-39	2560.690	2786.660	3024.990	8.552	-8.109	1.291	-1.224
-38	2404.860	2615.420	2837.310	8.483	-8.050	1.291	-1.225
-37	2259.830	2456.150	2662.850	8.415	-7.992	1.290	-1.226
-36	2124.710	2307.860	2500.520	8.348	-7.935	1.290	-1.226
-35	1998.690	2169.640	2349.310	8.281	-7.878	1.289	-1.227
-34	1881.060	2040.690	2208.330	8.214	-7.822	1.289	-1.227
-33	1771.160	1920.290	2076.780	8.149	-7.766	1.288	-1.227
-32	1668.410	1807.800	1953.940	8.083	-7.710	1.287	-1.228
-31	1572.270	1702.610	1839.150	8.019	-7.655	1.286	-1.228
-30	1482.280	1604.200	1731.810	7.954	-7.600	1.285	-1.228
-29	1397.980	1512.070	1631.390	7.890	-7.545	1.284	-1.228
-28	1318.970	1425.780	1537.390	7.827	-7.491	1.283	-1.228
-27	1244.890	1344.920	1449.350	7.764	-7.437	1.282	-1.228
-26	1175.400	1269.100	1366.850	7.702	-7.383	1.281	-1.228
-25	1110.180	1198.000	1289.520	7.640	-7.330	1.280	-1.228
-24	1048.950	1131.270	1217.000	7.578	-7.276	1.279	-1.228
-23	991.438	1068.630	1148.960	7.517	-7.224	1.277	-1.228
-22	937.398	1009.810	1085.110	7.456	-7.171	1.276	-1.227
-21	886.603	954.561	1025.150	7.395	-7.119	1.275	-1.227
-20	838.842	902.634	968.849	7.335	-7.067	1.273	-1.227
-19	793.918	853.818	915.943	7.276	-7.015	1.272	-1.226
-18	751.648	807.913	866.219	7.216	-6.964	1.271	-1.226
-17	711.863	764.730	819.469	7.157	-6.913	1.269	-1.226

-16	674.404	724.094	775.501	7.099	-6.862	1.268	-1.225
-15	639.125	685.842	734.135	7.041	-6.811	1.266	-1.225
-14	605.887	649.824	695.206	6.983	-6.761	1.264	-1.224
-13	574.563	615.898	658.557	6.926	-6.711	1.263	-1.224
-12	545.032	583.932	624.044	6.869	-6.661	1.261	-1.223
-11	517.184	553.803	591.532	6.812	-6.612	1.259	-1.222
-10	490.915	525.397	560.895	6.756	-6.563	1.258	-1.222
-9	466.127	498.607	532.016	6.700	-6.514	1.256	-1.221
-8	442.729	473.332	504.785	6.645	-6.465	1.254	-1.220
-7	420.636	449.479	479.100	6.589	-6.417	1.252	-1.219
-6	399.769	426.962	454.865	6.535	-6.368	1.250	-1.218
-5	380.053	405.698	431.990	6.480	-6.321	1.248	-1.217
-4	361.420	385.611	410.393	6.426	-6.273	1.246	-1.216
-3	343.803	366.631	389.996	6.373	-6.226	1.244	-1.215
-2	327.143	348.689	370.725	6.319	-6.179	1.242	-1.214
-1	311.382	331.725	352.513	6.266	-6.132	1.240	-1.213
0	296.468	315.680	335.296	6.214	-6.085	1.238	-1.212
1	282.349	300.498	319.014	6.161	-6.039	1.235	-1.211
2	268.980	286.129	303.611	6.109	-5.993	1.233	-1.210
3	256.317	272.526	289.035	6.057	-5.947	1.231	-1.208
4	244.318	259.642	275.238	6.006	-5.902	1.228	-1.207
5	232.945	247.437	262.173	5.955	-5.856	1.226	-1.206
6	222.163	235.871	249.799	5.904	-5.811	1.224	-1.204
7	211.936	224.906	238.073	5.854	-5.766	1.221	-1.203
8	202.234	214.509	226.960	5.804	-5.722	1.219	-1.201
9	193.027	204.647	216.424	5.754	-5.677	1.216	-1.200
10	184.287	195.290	206.431	5.705	-5.633	1.214	-1.199
11	175.988	186.408	196.951	5.655	-5.589	1.211	-1.197
12	168.105	177.976	187.955	5.607	-5.546	1.209	-1.196
13	160.615	169.967	179.415	5.558	-5.502	1.206	-1.194
14	153.496	162.359	171.306	5.510	-5.459	1.204	-1.193
15	146.728	155.130	163.603	5.462	-5.416	1.202	-1.192
16	140.291	148.258	156.285	5.414	-5.373	1.200	-1.191
17	134.169	141.724	149.330	5.366	-5.330	1.198	-1.190
18	128.343	135.509	142.718	5.319	-5.288	1.196	-1.189
19	122.798	129.597	136.430	5.272	-5.245	1.195	-1.189
20	117.519	123.971	130.449	5.225	-5.203	1.195	-1.190
21	112.492	118.615	124.758	5.179	-5.162	1.197	-1.193
22	107.703	113.515	119.342	5.133	-5.120	1.202	-1.199
23	103.140	108.659	114.186	5.087	-5.078	1.216	-1.214
24	98.791	104.032	109.276	5.041	-5.037	1.271	-1.270
25	95.000	100.000	105.000	5.000	-5.000	1.269	-1.269
26	90.607	95.420	100.238	5.049	-5.044	1.080	-1.079
27	86.765	91.414	96.070	5.094	-5.085	1.142	-1.140
28	83.103	87.593	92.094	5.139	-5.125	1.175	-1.172

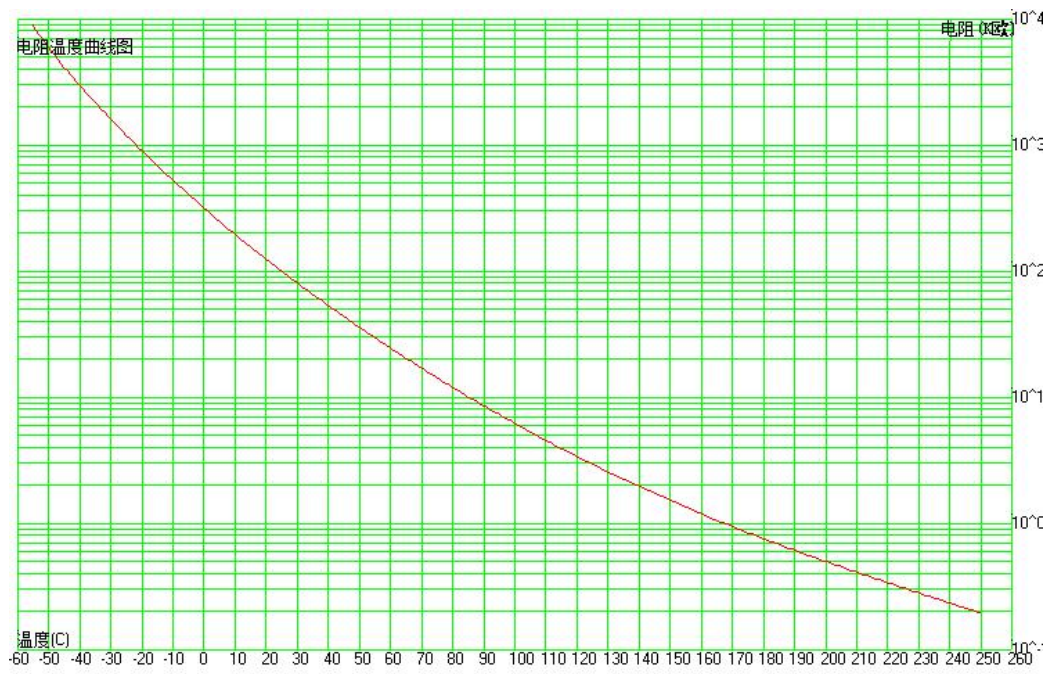
29	79.611	83.948	88.300	5.183	-5.166	1.201	-1.196
30	76.281	80.471	84.678	5.228	-5.206	1.223	-1.218
31	73.105	77.152	81.221	5.272	-5.246	1.244	-1.237
32	70.074	73.985	77.919	5.316	-5.285	1.264	-1.256
33	67.182	70.961	74.765	5.360	-5.325	1.283	-1.275
34	64.421	68.072	71.751	5.404	-5.364	1.302	-1.293
35	61.784	65.314	68.872	5.448	-5.403	1.321	-1.311
36	59.267	62.678	66.120	5.491	-5.442	1.340	-1.328
37	56.862	60.159	63.489	5.534	-5.481	1.359	-1.346
38	54.564	57.752	60.973	5.578	-5.520	1.378	-1.364
39	52.368	55.450	58.567	5.620	-5.558	1.397	-1.381
40	50.269	53.250	56.266	5.663	-5.596	1.415	-1.399
41	48.263	51.145	54.064	5.706	-5.634	1.434	-1.416
42	46.345	49.132	51.956	5.748	-5.672	1.453	-1.434
43	44.510	47.206	49.939	5.791	-5.710	1.472	-1.451
44	42.755	45.362	48.008	5.833	-5.747	1.491	-1.469
45	41.076	43.598	46.160	5.875	-5.785	1.510	-1.487
46	39.469	41.909	44.389	5.917	-5.822	1.529	-1.505
47	37.931	40.292	42.693	5.958	-5.859	1.548	-1.522
48	36.459	38.744	41.068	6.000	-5.896	1.567	-1.540
49	35.050	37.260	39.512	6.041	-5.933	1.587	-1.558
50	33.700	35.840	38.020	6.082	-5.969	1.606	-1.576
51	32.407	34.478	36.590	6.124	-6.006	1.625	-1.594
52	31.169	33.174	35.219	6.164	-6.042	1.645	-1.612
53	29.983	31.923	33.904	6.205	-6.078	1.664	-1.630
54	28.846	30.725	32.644	6.246	-6.114	1.684	-1.648
55	27.756	29.575	31.435	6.286	-6.150	1.704	-1.666
56	26.712	28.473	30.275	6.327	-6.185	1.723	-1.685
57	25.711	27.417	29.162	6.367	-6.221	1.743	-1.703
58	24.751	26.403	28.095	6.407	-6.256	1.763	-1.722
59	23.830	25.430	27.070	6.447	-6.291	1.783	-1.740
60	22.947	24.497	26.086	6.487	-6.326	1.803	-1.759
61	22.100	23.602	25.142	6.527	-6.361	1.823	-1.777
62	21.288	22.742	24.236	6.566	-6.396	1.844	-1.796
63	20.508	21.917	23.365	6.605	-6.431	1.864	-1.815
64	19.760	21.126	22.529	6.645	-6.465	1.885	-1.834
65	19.041	20.365	21.726	6.684	-6.499	1.905	-1.853
66	18.352	19.635	20.955	6.723	-6.533	1.926	-1.871
67	17.690	18.934	20.214	6.762	-6.567	1.946	-1.891
68	17.054	18.260	19.502	6.800	-6.601	1.967	-1.910
69	16.444	17.613	18.817	6.839	-6.635	1.988	-1.929
70	15.858	16.991	18.159	6.877	-6.669	2.009	-1.948
71	15.294	16.393	17.527	6.915	-6.702	2.030	-1.968
72	14.753	15.819	16.919	6.954	-6.735	2.051	-1.987
73	14.234	15.267	16.334	6.992	-6.768	2.073	-2.007

74	13.734	14.736	15.772	7.029	-6.801	2.094	-2.026
75	13.254	14.226	15.232	7.067	-6.834	2.116	-2.046
76	12.792	13.735	14.711	7.105	-6.867	2.137	-2.066
77	12.348	13.264	14.211	7.142	-6.899	2.159	-2.085
78	11.922	12.810	13.730	7.179	-6.932	2.181	-2.105
79	11.512	12.373	13.266	7.217	-6.964	2.202	-2.125
80	11.117	11.953	12.821	7.254	-6.996	2.224	-2.145
81	10.738	11.549	12.391	7.291	-7.028	2.246	-2.165
82	10.372	11.160	11.978	7.327	-7.060	2.269	-2.186
83	10.021	10.786	11.581	7.364	-7.092	2.291	-2.206
84	9.683	10.426	11.198	7.400	-7.123	2.313	-2.226
85	9.316	10.035	10.781	7.442	-7.159	2.333	-2.244
86	9.045	9.745	10.474	7.473	-7.186	2.358	-2.267
87	8.744	9.424	10.132	7.509	-7.217	2.381	-2.288
88	8.454	9.114	9.802	7.545	-7.248	2.403	-2.309
89	8.174	8.816	9.485	7.581	-7.279	2.426	-2.330
90	7.906	8.529	9.179	7.616	-7.309	2.449	-2.351
91	7.647	8.252	8.884	7.652	-7.340	2.472	-2.372
92	7.397	7.986	8.600	7.687	-7.370	2.495	-2.393
93	7.157	7.729	8.326	7.722	-7.401	2.519	-2.414
94	6.925	7.481	8.062	7.757	-7.431	2.542	-2.435
95	6.702	7.243	7.807	7.792	-7.461	2.565	-2.456
96	6.488	7.013	7.562	7.827	-7.491	2.589	-2.478
97	6.280	6.791	7.325	7.862	-7.520	2.613	-2.499
98	6.081	6.577	7.097	7.896	-7.550	2.636	-2.521
99	5.888	6.371	6.877	7.931	-7.579	2.660	-2.542
100	5.703	6.173	6.664	7.965	-7.609	2.684	-2.564
101	5.524	5.981	6.459	7.999	-7.638	2.708	-2.586
102	5.351	5.796	6.261	8.033	-7.667	2.732	-2.608
103	5.185	5.617	6.071	8.067	-7.696	2.757	-2.630
104	5.024	5.445	5.886	8.100	-7.724	2.781	-2.652
105	4.870	5.279	5.708	8.134	-7.753	2.806	-2.674
106	4.720	5.119	5.537	8.167	-7.782	2.830	-2.696
107	4.576	4.964	5.371	8.200	-7.810	2.855	-2.719
108	4.437	4.814	5.211	8.233	-7.838	2.880	-2.741
109	4.303	4.670	5.056	8.266	-7.866	2.905	-2.764
110	4.173	4.531	4.907	8.299	-7.894	2.930	-2.786
111	4.048	4.396	4.763	8.332	-7.922	2.955	-2.809
112	3.927	4.266	4.623	8.364	-7.949	2.980	-2.832
113	3.810	4.141	4.489	8.397	-7.977	3.005	-2.855
114	3.698	4.019	4.358	8.429	-8.004	3.031	-2.878
115	3.589	3.902	4.233	8.461	-8.031	3.056	-2.901
116	3.484	3.789	4.111	8.493	-8.058	3.082	-2.924
117	3.382	3.680	3.993	8.525	-8.085	3.108	-2.947
118	3.284	3.574	3.880	8.556	-8.112	3.133	-2.971

119	3.189	3.472	3.770	8.588	-8.139	3.159	-2.994
120	3.097	3.373	3.664	8.619	-8.165	3.185	-3.018
121	3.009	3.277	3.561	8.650	-8.192	3.212	-3.041
122	2.923	3.185	3.461	8.682	-8.218	3.238	-3.065
123	2.840	3.095	3.365	8.712	-8.244	3.264	-3.089
124	2.760	3.009	3.272	8.743	-8.270	3.291	-3.113
125	2.683	2.925	3.182	8.774	-8.296	3.317	-3.137
126	2.608	2.844	3.095	8.804	-8.322	3.344	-3.161
127	2.535	2.766	3.011	8.835	-8.347	3.371	-3.185
128	2.465	2.690	2.929	8.865	-8.373	3.398	-3.209
129	2.397	2.617	2.850	8.895	-8.398	3.425	-3.233
130	2.331	2.546	2.773	8.925	-8.423	3.452	-3.258
131	2.268	2.477	2.699	8.955	-8.448	3.479	-3.282
132	2.206	2.411	2.627	8.985	-8.473	3.507	-3.307
133	2.147	2.346	2.558	9.014	-8.498	3.534	-3.332
134	2.089	2.284	2.490	9.044	-8.523	3.562	-3.357
135	2.033	2.223	2.425	9.073	-8.547	3.589	-3.381
136	1.979	2.165	2.362	9.102	-8.572	3.617	-3.406
137	1.927	2.108	2.300	9.131	-8.596	3.645	-3.431
138	1.876	2.053	2.241	9.160	-8.620	3.673	-3.457
139	1.827	1.999	2.183	9.189	-8.644	3.701	-3.482
140	1.779	1.948	2.127	9.217	-8.668	3.729	-3.507
141	1.733	1.898	2.073	9.246	-8.692	3.758	-3.533
142	1.688	1.849	2.021	9.274	-8.716	3.786	-3.558
143	1.644	1.802	1.970	9.302	-8.739	3.815	-3.584
144	1.602	1.756	1.920	9.330	-8.763	3.843	-3.609
145	1.562	1.712	1.872	9.358	-8.786	3.872	-3.635
146	1.522	1.669	1.826	9.386	-8.809	3.901	-3.661
147	1.484	1.627	1.781	9.414	-8.832	3.930	-3.687
148	1.446	1.587	1.737	9.441	-8.855	3.959	-3.713
149	1.410	1.548	1.694	9.469	-8.878	3.988	-3.739
150	1.375	1.510	1.653	9.496	-8.901	4.017	-3.765
151	1.341	1.473	1.613	9.523	-8.923	4.047	-3.792
152	1.308	1.437	1.574	9.550	-8.946	4.076	-3.818
153	1.276	1.402	1.536	9.577	-8.968	4.106	-3.845
154	1.245	1.368	1.499	9.604	-8.990	4.136	-3.871
155	1.215	1.335	1.464	9.630	-9.012	4.165	-3.898
156	1.185	1.303	1.429	9.657	-9.034	4.195	-3.925
157	1.157	1.272	1.395	9.683	-9.056	4.225	-3.952
158	1.129	1.242	1.363	9.710	-9.078	4.255	-3.979
159	1.102	1.213	1.331	9.736	-9.100	4.286	-4.006
160	1.076	1.184	1.300	9.762	-9.121	4.316	-4.033
161	1.051	1.156	1.270	9.788	-9.143	4.346	-4.060
162	1.026	1.130	1.240	9.814	-9.164	4.377	-4.087
163	1.002	1.103	1.212	9.839	-9.185	4.408	-4.115

164	0.979	1.078	1.184	9.865	-9.207	4.438	-4.142
165	0.956	1.053	1.158	9.890	-9.228	4.469	-4.170
166	0.934	1.029	1.131	9.916	-9.249	4.500	-4.197
167	0.913	1.006	1.106	9.941	-9.269	4.531	-4.225
168	0.892	0.983	1.081	9.966	-9.290	4.562	-4.253
169	0.871	0.961	1.057	9.991	-9.311	4.594	-4.281
170	0.852	0.939	1.034	10.010	-9.331	4.625	-4.309
171	0.833	0.918	1.011	10.040	-9.352	4.656	-4.337
172	0.814	0.898	0.989	10.060	-9.372	4.688	-4.365
173	0.796	0.878	0.967	10.090	-9.392	4.720	-4.393
174	0.778	0.859	0.946	10.110	-9.413	4.751	-4.422
175	0.761	0.840	0.925	10.130	-9.433	4.783	-4.450
176	0.744	0.822	0.905	10.160	-9.453	4.815	-4.479
177	0.728	0.804	0.886	10.180	-9.472	4.847	-4.507
178	0.712	0.786	0.867	10.210	-9.492	4.880	-4.536
179	0.696	0.770	0.848	10.230	-9.512	4.912	-4.565
180	0.681	0.753	0.830	10.260	-9.532	4.944	-4.593
181	0.666	0.737	0.813	10.280	-9.551	4.977	-4.622
182	0.652	0.721	0.796	10.300	-9.571	5.009	-4.651
183	0.638	0.706	0.779	10.330	-9.590	5.042	-4.680
184	0.625	0.691	0.763	10.350	-9.609	5.075	-4.710
185	0.611	0.677	0.747	10.370	-9.628	5.108	-4.739
186	0.598	0.662	0.731	10.400	-9.647	5.141	-4.768
187	0.586	0.649	0.716	10.420	-9.666	5.174	-4.798
188	0.574	0.635	0.702	10.440	-9.685	5.207	-4.827
189	0.562	0.622	0.687	10.470	-9.704	5.240	-4.857
190	0.550	0.609	0.673	10.490	-9.723	5.273	-4.886
191	0.538	0.597	0.659	10.510	-9.742	5.307	-4.916
192	0.527	0.584	0.646	10.530	-9.760	5.340	-4.946
193	0.516	0.573	0.633	10.560	-9.779	5.374	-4.976
194	0.506	0.561	0.620	10.580	-9.797	5.408	-5.006
195	0.496	0.550	0.608	10.600	-9.816	5.442	-5.036
196	0.485	0.538	0.596	10.630	-9.834	5.476	-5.066
197	0.476	0.528	0.584	10.650	-9.852	5.510	-5.096
198	0.466	0.517	0.572	10.670	-9.871	5.544	-5.126
199	0.457	0.507	0.561	10.690	-9.889	5.578	-5.157
200	0.447	0.497	0.550	10.710	-9.907	5.612	-5.187
201	0.439	0.487	0.539	10.740	-9.925	5.647	-5.218
202	0.430	0.477	0.529	10.760	-9.943	5.681	-5.248
203	0.421	0.468	0.518	10.780	-9.961	5.716	-5.279
204	0.413	0.459	0.508	10.800	-9.979	5.750	-5.310
205	0.405	0.450	0.498	10.820	-9.996	5.785	-5.340
206	0.397	0.441	0.489	10.850	-10.010	5.820	-5.371
207	0.389	0.432	0.479	10.870	-10.030	5.855	-5.402
208	0.381	0.424	0.470	10.890	-10.040	5.890	-5.433

209	0.374	0.416	0.461	10.910	-10.060	5.925	-5.464
210	0.367	0.408	0.452	10.930	-10.080	5.960	-5.496
211	0.360	0.400	0.444	10.950	-10.100	5.996	-5.527
212	0.353	0.392	0.435	10.980	-10.110	6.031	-5.558
213	0.346	0.385	0.427	11.000	-10.130	6.067	-5.589
214	0.339	0.377	0.419	11.020	-10.150	6.102	-5.621
215	0.333	0.370	0.411	11.040	-10.170	6.138	-5.652
216	0.326	0.363	0.404	11.060	-10.180	6.174	-5.684
217	0.320	0.356	0.396	11.080	-10.200	6.209	-5.716
218	0.314	0.350	0.389	11.100	-10.220	6.245	-5.747
219	0.308	0.343	0.381	11.120	-10.230	6.281	-5.779
220	0.302	0.337	0.374	11.150	-10.250	6.317	-5.811
221	0.296	0.330	0.367	11.170	-10.270	6.354	-5.843
222	0.291	0.324	0.361	11.190	-10.290	6.390	-5.875
223	0.285	0.318	0.354	11.210	-10.300	6.426	-5.907
224	0.280	0.312	0.347	11.230	-10.320	6.463	-5.939
225	0.275	0.306	0.341	11.250	-10.340	6.499	-5.971
226	0.270	0.301	0.335	11.270	-10.350	6.536	-6.004
227	0.265	0.295	0.329	11.290	-10.370	6.572	-6.036
228	0.260	0.290	0.323	11.310	-10.390	6.609	-6.068
229	0.255	0.284	0.317	11.330	-10.400	6.646	-6.101
230	0.250	0.279	0.311	11.350	-10.420	6.683	-6.133
231	0.245	0.274	0.305	11.370	-10.440	6.720	-6.166
232	0.241	0.269	0.300	11.390	-10.450	6.757	-6.199
233	0.236	0.264	0.294	11.420	-10.470	6.794	-6.231
234	0.232	0.259	0.289	11.440	-10.490	6.832	-6.264
235	0.228	0.255	0.284	11.460	-10.500	6.869	-6.297
236	0.224	0.250	0.279	11.480	-10.520	6.906	-6.330
237	0.219	0.245	0.274	11.500	-10.530	6.944	-6.363
238	0.215	0.241	0.269	11.520	-10.550	6.981	-6.396
239	0.211	0.236	0.264	11.540	-10.570	7.019	-6.429
240	0.208	0.232	0.259	11.560	-10.580	7.057	-6.462
241	0.204	0.228	0.254	11.580	-10.600	7.094	-6.495
242	0.200	0.224	0.250	11.600	-10.620	7.132	-6.528
243	0.196	0.220	0.245	11.620	-10.630	7.170	-6.562
244	0.193	0.216	0.241	11.640	-10.650	7.208	-6.595
245	0.189	0.212	0.237	11.660	-10.670	7.246	-6.628
246	0.186	0.208	0.232	11.680	-10.680	7.285	-6.662
247	0.182	0.204	0.228	11.700	-10.700	7.323	-6.695
248	0.179	0.201	0.224	11.720	-10.710	7.361	-6.729
249	0.176	0.197	0.220	11.740	-10.730	7.399	-6.763
250	0.173	0.194	0.216	11.760	-10.750	7.438	-6.796



附表:2

南京时恒电阻误差曲线图

