



南京时恒电子科技有限公司

Nanjing Shiheng Electronics Co.,Ltd.

规格承认书

APPROVAL SHEET

客户名称 CUSTOMER :

产品名称 PART NAME :

产品规格 PART NUMBER :

产品编号 PRODUCTCODE:

版次 REV.NO:

日期 DATE:

MF51 玻封测温型 NTC 热敏电阻器

MF51 Glass shell NTC Thermistor

MF51-104F3950(B)

B0

2025-8-26

确认

CONFIRM

客户 CLIENT		供货商/制造商 MANUFACTOR	
品保部 Quality Dep.		规格书制作 Design	刘星月
制造部 Production Dep.		业务部审核 Checked by sales	
工程部 Engineering Dep.		技术部审核 Checked by R&D	程鹏
		品质部审核 Checked by QA	李少媛

南京时恒电子科技有限公司

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变 更 记 录 表

REVISED RECORD SHEET

[illegible]

1、产品型号说明 Product model specification

MF51- 104 F 3950 (B)

① ② ③ ④ ⑤

- ① MF51: 玻封测温型 NTC 热敏电阻器 (Series Glass Seal shell NTC Thermistor)
- ② 104: 25℃ 的零功率电阻值 100KΩ (Zero Power Resistance at 25℃ is 100KΩ)
- ③ F: 阻值精度代码 F-±1% G-±2% H-±3% J-±5% (Resistance precision code F-±1% G-±2% H-±3% J-±5%)
- ④ 3950: B25/50 值 3950K (B25/50:3950K)
- ⑤ B: 外形尺寸代码 (Shape and size code)

2、电气性能 Electrical Characteristics

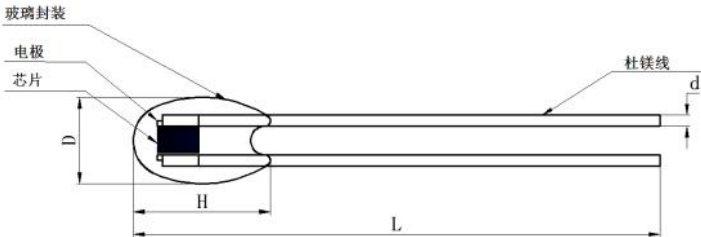
No.	项目 Item	符号 Symbol	测试条件 Test conditions	单位 Unit	性能要求 Requirements
2.1	25℃ 的零功率电阻值 Zero Power Resistance at 25℃	$R_{25℃}$	$T_a=25\pm0.01℃$ Test Power $\leq 0.1mW$	KΩ	100KΩ $\pm 1\%$
2.2	B 值 B-value	$B_{25/50}$	$B=[(T_a \times T_b)/(T_b - T_a)] \times \ln(R_a/R_b)$ $T_a=25\pm0.01℃$ $T_b=50℃\pm0.01℃$	K	3950 $\pm 1\%$
2.3	耗散系数 Thermal dissipation Coefficient	δ	静止空气中 In still air	mW/ ℃	约 0.9
2.4	时间常数 Thermal time constant	τ	静止空气中 In still air	sec	约 9
2.5	耐电压 withstand voltage	/	500V/AC 1min	/	无击穿或飞弧 No breakthrough and flash over
2.6	绝缘电阻 Insulation resistance	/	50V/DC 1min	MΩ	≥ 10
2.7	工作温度范围 Operating temperature range	/	/	℃	-40℃ ~ 250℃
2.8	最大额定功率 Maximum rated power	Pmax	/	mW	35
2.9	阻温特性 R&T-table	/	/	/	见附表 I See attached table I
2.10	阻值误差&B 值误差 Resistance tolerance& B-value tolerance	/	/	/	见附表 II See attached table II

3、产品图纸 Product drawing

 产品图纸 Product drawing		客户确认 Customer confirm	客户名称 Customer:			
产品型号 MODEL NO. MF51-104F3950 (B)			确认 Confirm		日期 DATE	
			审核 Approve:		日期 DATE	

尺寸 Dimensions:

(Unit: mm)



型 号	D	H	L	d
MF51-B	1.7±0.25	3.2±0.5	65±5	0.25±0.02

技术要求 Technical requirements:

1) 零功率阻值: R25: 100K Ω ±1%(Zero Power Resistance: R25: 100KΩ±1%);

2) B25/50 数值: 3950K±1%(B-value:B25/50: 3950K±1%);

3) 引线: Φ0.25 杜镁线(Φ0.25Magnesite wire);

4) 封装: 玻壳封装 (Glass shell package);

5) 符合 RoHS 环保要求 (Meet environmental protection requirements:RoHS)。

更新履历 Revised record sheet				
版本 REV. NO	更新时间 REV.DATE	更新内容 Change content	申请人 Applicant	批准人 Approved
A0	2015. 4. 10	版本制定。 ersion formulation	王月婷	李少媛
B0	2022. 4. 1	更新规格书版本格式，增加版次管控 Update for version form of datasheet,add to management and control for number of edition	王月婷	李少媛

4、可靠性

试验项目	测试标准	试验条件/方法	性能要求															
高温存储试验 High temperature storage	IEC60068-2-2	Tu±5℃，1000±24 小时	无可见损伤 No obvious damage R/R≤±5%															
稳态湿热试验 Steady humidity and heat	IEC60068-2-78	40±2℃,92~95%RH，1000±24 小时	无可见损伤 No obvious damage R/R≤±3%															
温度急变试验 Rapid changes in temperature	IEC60068-2-14	温度急变按下表条件循环五个周期 The rapid change of temperature cycles five cycles according to the following table conditions <table><tr><td>步骤 Step</td><td>温度（℃） Temperature</td><td>周期（分钟） Period</td></tr><tr><td>1</td><td>TL±5</td><td>30±3</td></tr><tr><td>2</td><td>室温 Room Temperature</td><td>5±3</td></tr><tr><td>3</td><td>Tu±5</td><td>30±3</td></tr><tr><td>4</td><td>室温 Room Temperature</td><td>5±3</td></tr></table>	步骤 Step	温度（℃） Temperature	周期（分钟） Period	1	TL±5	30±3	2	室温 Room Temperature	5±3	3	Tu±5	30±3	4	室温 Room Temperature	5±3	无可见损伤 No obvious damage R/R≤±3%
步骤 Step	温度（℃） Temperature	周期（分钟） Period																
1	TL±5	30±3																
2	室温 Room Temperature	5±3																
3	Tu±5	30±3																
4	室温 Room Temperature	5±3																
最大功耗 Maximum power consumption	IEC60539-1-4.26.3	25±5℃，Pmax,1000±24 小时	无可见损伤 No obvious damage R/R≤±5%															

▲注： 1) 稳态湿热及温度快速变化试验结束后，样品需在常温环境下静置 2 小时后再做性能测试；

▲Note: 1) After the test of steady-state humid heat and rapid temperature change, the sample should be kept for 2 hours at room temperature before performance test ;

2) 高温存储及低温存储结束后，需随测试环境自然恢复至常温，再取出做性能测试。

2) After the test of high - and low-temperature storage is complete, and then take it out for performance test when the test environment naturally regain to normal temperature.

5、产品包装 Product packaging

5.1 包装方式 Packing Type

☒ 散装方式 Bulk Type ☐ 编带方式 Reel Type

5.2 包装规格 Packing specification

No.	包装规格 Packing specification	包装材料、尺寸 Packing material, size	产品数量 Quantity
1	包装袋 Packing bag	自封口袋(self sealing bag)	
2	编带包装盒 Reel Packing box	265mm*80mm*75mm	

6、安装&使用注意事项 Installation & Use precautions

6.1 本产品的用途：温度测量与控制；application:test and control for temperature

6.2 避免过大的电流引起元件自身发热而产生测量误差；

To avoid of testing tolerance caused by huge current upon the self-heat of component.

6.3 烙铁焊接时，焊接处距包封头部距离至少 2mm，焊接温度应低于 360℃，焊接时间<3ses；

When welded by soldering iron,weld spot should be 2mm at least from head,weld temperature should be under 360℃,time<3ses

6.4 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；

In case of lead bending,the dot of bending should be above 2mm from glass shell to avoid of damaging for glass shell.

6.5 储存温度：-10℃ ~ 40℃；储存湿度：≤75% RH；

storage temp:-10℃ ~ 40℃；storage humidity:≤75% RH

6.6 避免存放在具有腐蚀性气体及光照的环境下；To avoid of leaving with such environment as corrosive gases and illumination

6.6 包装打开后需重新密封保存，贮存期 1 年，超过贮存期，可按本标准规定的项目重新检验，如符合要求仍可使用；

The packing need to be resealed since opened,storage period 1 year.once valid,it should be retest according to regulated of criterion and can be still used if meet the requirement.

6.7 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；

In case of useing heat-shrink tube,hair drier is prohibited.we suggest that put the product with heat shrink into constant-temperature box and heat shrink under 110℃/10-12min

7、产品认证 Product certification

No.	项目 Projects	产品认证 Product certification
7.1	质量管理体系认证 Quality Management System Certification	ISO9001:2015
		IATF16949: 2016
7.2	环境管理体系认证 Environmental Management System Certification	ISO14001:2015
7.3	环保检测报告 Environmental test report	RoHS 2.0
7.4	CQC 认证 (CQC19001222003) CQC certificate (CQC19001222003)	
7.5	TUV 认证 (R50245892) UL certificate (R50245892)	
7.6	江苏省高新技术产品认证 High-tech product certificate in Jiangsu Province	

附表 I (Attachment I)

南京时恒电子科技有限公司

R25=100K Ω 精度: $\pm 1\%$ 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	$-\Delta T$
-40	2840.49	2971	3101.5	4.392	-4.392	0.658	-0.658
-39	2687.04	2808.85	2930.66	4.336	-4.336	0.653	-0.653
-38	2536.86	2650.25	2763.64	4.278	-4.278	0.648	-0.648
-37	2391.5	2496.84	2602.17	4.218	-4.218	0.643	-0.643
-36	2252.03	2349.73	2447.43	4.157	-4.157	0.639	-0.639
-35	2119.13	2209.64	2300.16	4.096	-4.096	0.634	-0.634
-34	1993.16	2076.95	2160.75	4.034	-4.034	0.629	-0.629
-33	1874.27	1951.8	2029.33	3.972	-3.972	0.624	-0.624
-32	1762.44	1834.15	1905.87	3.91	-3.91	0.619	-0.619
-31	1657.5	1723.83	1790.16	3.847	-3.847	0.614	-0.614
-30	1559.22	1620.57	1681.93	3.786	-3.786	0.609	-0.609
-29	1467.29	1524.05	1580.82	3.724	-3.724	0.604	-0.604
-28	1381.38	1433.91	1486.45	3.663	-3.663	0.599	-0.599
-27	1301.14	1349.78	1398.41	3.603	-3.603	0.594	-0.594
-26	1226.22	1271.26	1316.31	3.543	-3.543	0.589	-0.589
-25	1156.26	1198	1239.73	3.483	-3.483	0.583	-0.583
-24	1090.92	1129.61	1168.3	3.424	-3.424	0.578	-0.578
-23	1029.87	1065.75	1101.63	3.366	-3.366	0.573	-0.573
-22	972.806	1006.1	1039.39	3.309	-3.309	0.567	-0.567
-21	919.43	950.336	981.242	3.252	-3.252	0.561	-0.561
-20	869.472	898.174	926.876	3.195	-3.195	0.556	-0.556
-19	822.68	849.346	876.013	3.139	-3.139	0.55	-0.55
-18	778.818	803.604	828.39	3.084	-3.084	0.544	-0.544
-17	737.672	760.718	783.763	3.029	-3.029	0.538	-0.538



-16	699.043	720.477	741.912	2.975	-2.975	0.532	-0.532
-15	662.746	682.689	702.631	2.921	-2.921	0.526	-0.526
-14	628.615	647.175	665.734	2.867	-2.867	0.52	-0.52
-13	596.496	613.772	631.048	2.814	-2.814	0.514	-0.514
-12	566.246	582.331	598.416	2.762	-2.762	0.508	-0.508
-11	537.737	552.716	567.694	2.709	-2.709	0.501	-0.501
-10	510.85	524.8	538.749	2.658	-2.658	0.495	-0.495
-9	485.475	498.468	511.461	2.606	-2.606	0.488	-0.488
-8	461.512	473.615	485.718	2.555	-2.555	0.482	-0.482
-7	438.869	450.143	461.417	2.504	-2.504	0.475	-0.475
-6	417.461	427.964	438.466	2.454	-2.454	0.468	-0.468
-5	397.211	406.994	416.777	2.403	-2.403	0.462	-0.462
-4	378.045	387.158	396.271	2.353	-2.353	0.455	-0.455
-3	359.897	368.385	376.873	2.304	-2.304	0.448	-0.448
-2	342.707	350.612	358.517	2.254	-2.254	0.441	-0.441
-1	326.416	333.777	341.138	2.205	-2.205	0.434	-0.434
0	308.893	315.68	322.466	2.149	-2.149	0.428	-0.428
1	296.326	302.706	309.086	2.107	-2.107	0.419	-0.419
2	282.432	288.37	294.308	2.059	-2.059	0.412	-0.412
3	269.247	274.773	280.298	2.01	-2.01	0.405	-0.405
4	256.732	261.872	267.012	1.962	-1.962	0.397	-0.397
5	244.85	249.63	254.41	1.914	-1.914	0.39	-0.39
6	233.565	238.009	242.453	1.867	-1.867	0.383	-0.383
7	222.845	226.976	231.106	1.819	-1.819	0.375	-0.375
8	212.66	216.498	220.335	1.772	-1.772	0.367	-0.367
9	202.981	206.545	210.109	1.725	-1.725	0.36	-0.36
10	192.029	195.29	198.55	1.669	-1.669	0.355	-0.355
11	185.035	188.105	191.175	1.631	-1.631	0.344	-0.344
12	176.719	179.566	182.413	1.585	-1.585	0.336	-0.336





13	168.81	171.449	174.088	1.539	-1.539	0.328	-0.328
14	161.287	163.732	166.176	1.493	-1.493	0.32	-0.32
15	154.13	156.394	158.657	1.447	-1.447	0.312	-0.312
16	147.321	149.415	151.509	1.401	-1.401	0.304	-0.304
17	140.84	142.776	144.712	1.356	-1.356	0.296	-0.296
18	134.672	136.461	138.25	1.31	-1.31	0.288	-0.288
19	128.8	130.451	132.103	1.265	-1.265	0.279	-0.279
20	123.21	124.733	126.256	1.221	-1.221	0.271	-0.271
21	117.886	119.289	120.693	1.176	-1.176	0.263	-0.263
22	112.816	114.107	115.399	1.131	-1.131	0.254	-0.254
23	107.986	109.173	110.361	1.087	-1.087	0.246	-0.246
24	103.384	104.475	105.565	1.043	-1.043	0.237	-0.237
25	99	100	101	1	-1	0.229	-0.229
26	94.737	95.736	96.735	1.043	-1.043	0.24	-0.24
27	90.678	91.674	92.671	1.086	-1.086	0.251	-0.251
28	86.811	87.803	88.796	1.13	-1.13	0.263	-0.263
29	83.127	84.114	85.101	1.172	-1.172	0.274	-0.274
30	79.617	80.597	81.576	1.215	-1.215	0.286	-0.286
31	76.271	77.243	78.215	1.258	-1.258	0.298	-0.298
32	73.082	74.045	75.008	1.3	-1.3	0.31	-0.31
33	70.041	70.994	71.947	1.342	-1.342	0.321	-0.321
34	67.141	68.083	69.026	1.384	-1.384	0.333	-0.333
35	64.375	65.306	66.237	1.426	-1.426	0.345	-0.345
36	61.736	62.655	63.575	1.467	-1.467	0.358	-0.358
37	59.217	60.125	61.032	1.508	-1.508	0.37	-0.37
38	56.814	57.708	58.603	1.549	-1.549	0.382	-0.382
39	54.52	55.401	56.282	1.59	-1.59	0.394	-0.394
40	52.329	53.196	54.064	1.631	-1.631	0.407	-0.407
41	50.236	51.09	51.944	1.671	-1.671	0.419	-0.419



42	48.238	49.078	49.918	1.711	-1.711	0.432	-0.432
43	46.328	47.154	47.98	1.751	-1.751	0.444	-0.444
44	44.503	45.315	46.127	1.791	-1.791	0.457	-0.457
45	42.759	43.556	44.354	1.831	-1.831	0.47	-0.47
46	41.091	41.874	42.657	1.87	-1.87	0.483	-0.483
47	39.496	40.264	41.033	1.909	-1.909	0.495	-0.495
48	37.97	38.724	39.479	1.948	-1.948	0.508	-0.508
49	36.51	37.251	37.991	1.987	-1.987	0.521	-0.521
50	35.113	35.84	36.566	2.026	-2.026	0.535	-0.535
51	33.776	34.488	35.2	2.064	-2.064	0.548	-0.548
52	32.496	33.194	33.892	2.102	-2.102	0.561	-0.561
53	31.271	31.955	32.639	2.14	-2.14	0.574	-0.574
54	30.097	30.767	31.437	2.178	-2.178	0.588	-0.588
55	28.972	29.629	30.285	2.216	-2.216	0.601	-0.601
56	27.894	28.537	29.181	2.254	-2.254	0.615	-0.615
57	26.861	27.491	28.121	2.291	-2.291	0.628	-0.628
58	25.871	26.488	27.105	2.328	-2.328	0.642	-0.642
59	24.922	25.525	26.129	2.365	-2.365	0.656	-0.656
60	24.011	24.602	25.193	2.402	-2.402	0.67	-0.67
61	23.138	23.716	24.295	2.439	-2.439	0.683	-0.683
62	22.3	22.866	23.432	2.475	-2.475	0.697	-0.697
63	21.495	22.049	22.603	2.512	-2.512	0.711	-0.711
64	20.724	21.265	21.807	2.548	-2.548	0.725	-0.725
65	19.982	20.513	21.043	2.584	-2.584	0.74	-0.74
66	19.271	19.789	20.308	2.62	-2.62	0.754	-0.754
67	18.588	19.095	19.602	2.655	-2.655	0.768	-0.768
68	17.931	18.427	18.923	2.691	-2.691	0.782	-0.782
69	17.3	17.785	18.27	2.727	-2.727	0.797	-0.797
70	16.694	17.168	17.643	2.762	-2.762	0.811	-0.811



71	16.112	16.575	17.039	2.797	-2.797	0.826	-0.826
72	15.552	16.005	16.458	2.832	-2.832	0.841	-0.841
73	15.013	15.456	15.9	2.867	-2.867	0.855	-0.855
74	14.495	14.929	15.362	2.902	-2.902	0.87	-0.87
75	13.997	14.421	14.844	2.936	-2.936	0.885	-0.885
76	13.518	13.932	14.346	2.971	-2.971	0.9	-0.9
77	13.057	13.462	13.867	3.005	-3.005	0.915	-0.915
78	12.614	13.009	13.405	3.039	-3.039	0.93	-0.93
79	12.187	12.573	12.96	3.073	-3.073	0.945	-0.945
80	11.776	12.154	12.531	3.107	-3.107	0.96	-0.96
81	11.38	11.749	12.119	3.141	-3.141	0.975	-0.975
82	10.999	11.36	11.721	3.175	-3.175	0.991	-0.991
83	10.632	10.985	11.337	3.209	-3.209	1.006	-1.006
84	10.279	10.624	10.968	3.242	-3.242	1.022	-1.022
85	9.703	10.035	10.366	3.299	-3.299	1.034	-1.034
86	9.611	9.94	10.268	3.309	-3.309	1.053	-1.053
87	9.295	9.616	9.937	3.342	-3.342	1.068	-1.068
88	8.99	9.304	9.618	3.375	-3.375	1.084	-1.084
89	8.696	9.003	9.31	3.408	-3.408	1.1	-1.1
90	8.413	8.713	9.013	3.44	-3.44	1.116	-1.116
91	8.141	8.434	8.727	3.473	-3.473	1.132	-1.132
92	7.878	8.164	8.45	3.505	-3.505	1.148	-1.148
93	7.624	7.904	8.183	3.538	-3.538	1.164	-1.164
94	7.379	7.653	7.926	3.57	-3.57	1.18	-1.18
95	7.143	7.41	7.677	3.602	-3.602	1.196	-1.196
96	6.916	7.176	7.437	3.634	-3.634	1.212	-1.212
97	6.696	6.951	7.206	3.666	-3.666	1.229	-1.229
98	6.484	6.733	6.982	3.698	-3.698	1.245	-1.245
99	6.28	6.523	6.766	3.73	-3.73	1.262	-1.262





100	5.939	6.173	6.406	3.785	-3.785	1.275	-1.275
101	5.892	6.124	6.356	3.793	-3.793	1.295	-1.295
102	5.708	5.935	6.162	3.825	-3.825	1.312	-1.312
103	5.53	5.752	5.974	3.856	-3.856	1.328	-1.328
104	5.359	5.576	5.793	3.887	-3.887	1.345	-1.345
105	5.193	5.405	5.617	3.918	-3.918	1.362	-1.362
106	5.034	5.241	5.448	3.949	-3.949	1.379	-1.379
107	4.879	5.082	5.284	3.98	-3.98	1.396	-1.396
108	4.73	4.928	5.126	4.011	-4.011	1.413	-1.413
109	4.586	4.779	4.973	4.041	-4.041	1.431	-1.431
110	4.447	4.636	4.825	4.072	-4.072	1.448	-1.448
111	4.313	4.497	4.682	4.102	-4.102	1.465	-1.465
112	4.183	4.363	4.544	4.132	-4.132	1.483	-1.483
113	4.057	4.234	4.41	4.162	-4.162	1.5	-1.5
114	3.936	4.109	4.281	4.193	-4.193	1.518	-1.518
115	3.819	3.987	4.156	4.222	-4.222	1.535	-1.535
116	3.706	3.87	4.035	4.252	-4.252	1.553	-1.553
117	3.596	3.757	3.918	4.282	-4.282	1.571	-1.571
118	3.49	3.648	3.805	4.312	-4.312	1.589	-1.589
119	3.388	3.542	3.696	4.341	-4.341	1.606	-1.606
120	3.289	3.439	3.59	4.37	-4.37	1.624	-1.624
121	3.193	3.34	3.487	4.4	-4.4	1.642	-1.642
122	3.101	3.245	3.388	4.429	-4.429	1.661	-1.661
123	3.011	3.152	3.292	4.458	-4.458	1.679	-1.679
124	2.925	3.062	3.2	4.487	-4.487	1.697	-1.697
125	2.841	2.976	3.11	4.515	-4.515	1.715	-1.715
126	2.76	2.892	3.023	4.544	-4.544	1.734	-1.734
127	2.682	2.81	2.939	4.573	-4.573	1.752	-1.752
128	2.606	2.732	2.857	4.601	-4.601	1.771	-1.771





129	2.533	2.656	2.778	4.629	-4.629	1.789	-1.789
130	2.462	2.582	2.702	4.657	-4.657	1.808	-1.808
131	2.393	2.51	2.628	4.686	-4.686	1.827	-1.827
132	2.326	2.441	2.557	4.713	-4.713	1.846	-1.846
133	2.262	2.375	2.487	4.741	-4.741	1.865	-1.865
134	2.2	2.31	2.42	4.769	-4.769	1.884	-1.884
135	2.139	2.247	2.355	4.796	-4.796	1.903	-1.903
136	2.081	2.186	2.292	4.824	-4.824	1.922	-1.922
137	2.024	2.127	2.231	4.851	-4.851	1.941	-1.941
138	1.969	2.07	2.172	4.878	-4.878	1.96	-1.96
139	1.916	2.015	2.114	4.905	-4.905	1.98	-1.98
140	1.865	1.962	2.059	4.932	-4.932	1.999	-1.999
141	1.815	1.91	2.005	4.959	-4.959	2.019	-2.019
142	1.767	1.86	1.952	4.986	-4.986	2.038	-2.038
143	1.72	1.811	1.902	5.012	-5.012	2.058	-2.058
144	1.675	1.764	1.853	5.039	-5.039	2.078	-2.078
145	1.631	1.718	1.805	5.065	-5.065	2.097	-2.097
146	1.589	1.674	1.759	5.091	-5.091	2.117	-2.117
147	1.547	1.631	1.714	5.117	-5.117	2.137	-2.137
148	1.507	1.589	1.671	5.143	-5.143	2.157	-2.157
149	1.469	1.549	1.629	5.169	-5.169	2.177	-2.177
150	1.431	1.51	1.588	5.195	-5.195	2.198	-2.198
151	1.395	1.471	1.548	5.22	-5.22	2.218	-2.218
152	1.359	1.435	1.51	5.246	-5.246	2.238	-2.238
153	1.325	1.399	1.473	5.271	-5.271	2.259	-2.259
154	1.292	1.364	1.436	5.296	-5.296	2.279	-2.279
155	1.26	1.33	1.401	5.321	-5.321	2.3	-2.3
156	1.228	1.298	1.367	5.346	-5.346	2.32	-2.32
157	1.198	1.266	1.334	5.371	-5.371	2.341	-2.341





158	1.169	1.235	1.302	5.395	-5.395	2.362	-2.362
159	1.14	1.205	1.271	5.42	-5.42	2.382	-2.382
160	1.112	1.176	1.241	5.444	-5.444	2.403	-2.403
161	1.085	1.148	1.211	5.468	-5.468	2.424	-2.424
162	1.059	1.121	1.183	5.493	-5.493	2.445	-2.445
163	1.034	1.094	1.155	5.517	-5.517	2.467	-2.467
164	1.009	1.069	1.128	5.54	-5.54	2.488	-2.488
165	0.985	1.044	1.102	5.564	-5.564	2.509	-2.509
166	0.962	1.019	1.076	5.588	-5.588	2.53	-2.53
167	0.94	0.996	1.051	5.611	-5.611	2.552	-2.552
168	0.918	0.973	1.027	5.635	-5.635	2.573	-2.573
169	0.896	0.95	1.004	5.658	-5.658	2.595	-2.595
170	0.876	0.929	0.981	5.681	-5.681	2.617	-2.617
171	0.856	0.907	0.959	5.704	-5.704	2.638	-2.638
172	0.836	0.887	0.938	5.727	-5.727	2.66	-2.66
173	0.817	0.867	0.917	5.75	-5.75	2.682	-2.682
174	0.799	0.848	0.897	5.772	-5.772	2.704	-2.704
175	0.781	0.829	0.877	5.795	-5.795	2.726	-2.726
176	0.763	0.81	0.858	5.817	-5.817	2.748	-2.748
177	0.746	0.793	0.839	5.84	-5.84	2.77	-2.77
178	0.73	0.775	0.821	5.862	-5.862	2.793	-2.793
179	0.714	0.758	0.803	5.884	-5.884	2.815	-2.815
180	0.698	0.742	0.786	5.906	-5.906	2.837	-2.837
181	0.683	0.726	0.769	5.927	-5.927	2.86	-2.86
182	0.668	0.71	0.753	5.949	-5.949	2.882	-2.882
183	0.654	0.695	0.737	5.971	-5.971	2.905	-2.905
184	0.64	0.68	0.721	5.992	-5.992	2.928	-2.928
185	0.626	0.666	0.706	6.014	-6.014	2.95	-2.95
186	0.613	0.652	0.691	6.035	-6.035	2.973	-2.973





187	0.6	0.638	0.677	6.056	-6.056	2.996	-2.996
188	0.587	0.625	0.663	6.077	-6.077	3.019	-3.019
189	0.575	0.612	0.65	6.098	-6.098	3.042	-3.042
190	0.563	0.6	0.636	6.119	-6.119	3.065	-3.065
191	0.551	0.587	0.623	6.14	-6.14	3.089	-3.089
192	0.54	0.575	0.611	6.16	-6.16	3.112	-3.112
193	0.529	0.564	0.598	6.181	-6.181	3.135	-3.135
194	0.518	0.552	0.587	6.201	-6.201	3.159	-3.159
195	0.507	0.541	0.575	6.222	-6.222	3.182	-3.182
196	0.497	0.53	0.563	6.242	-6.242	3.206	-3.206
197	0.487	0.52	0.552	6.262	-6.262	3.229	-3.229
198	0.477	0.509	0.541	6.282	-6.282	3.253	-3.253
199	0.468	0.499	0.531	6.302	-6.302	3.277	-3.277
200	0.459	0.49	0.52	6.322	-6.322	3.301	-3.301
201	0.449	0.48	0.51	6.342	-6.342	3.325	-3.325
202	0.441	0.471	0.501	6.361	-6.361	3.349	-3.349
203	0.432	0.461	0.491	6.381	-6.381	3.373	-3.373
204	0.423	0.452	0.481	6.401	-6.401	3.397	-3.397
205	0.415	0.444	0.472	6.42	-6.42	3.421	-3.421
206	0.407	0.435	0.463	6.44	-6.44	3.446	-3.446
207	0.399	0.427	0.455	6.459	-6.459	3.47	-3.47
208	0.392	0.419	0.446	6.478	-6.478	3.494	-3.494
209	0.384	0.411	0.438	6.497	-6.497	3.519	-3.519
210	0.377	0.403	0.429	6.516	-6.516	3.544	-3.544
211	0.37	0.395	0.421	6.535	-6.535	3.568	-3.568
212	0.363	0.388	0.414	6.554	-6.554	3.593	-3.593
213	0.356	0.381	0.406	6.573	-6.573	3.618	-3.618
214	0.349	0.374	0.398	6.592	-6.592	3.643	-3.643
215	0.342	0.367	0.391	6.611	-6.611	3.668	-3.668

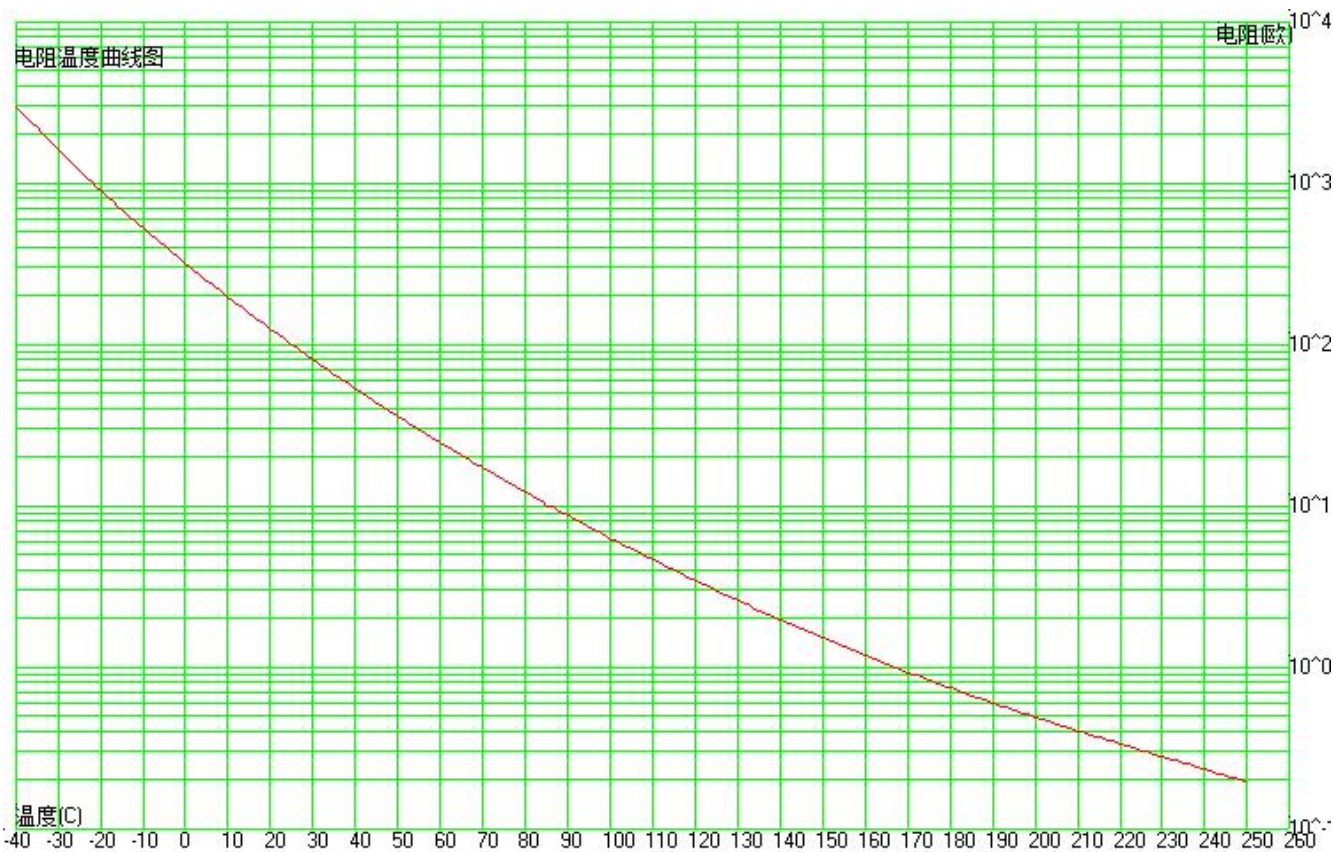




216	0.336	0.36	0.384	6.63	-6.63	3.693	-3.693
217	0.33	0.353	0.377	6.648	-6.648	3.718	-3.718
218	0.324	0.347	0.37	6.667	-6.667	3.743	-3.743
219	0.318	0.34	0.363	6.686	-6.686	3.768	-3.768
220	0.312	0.334	0.357	6.704	-6.704	3.793	-3.793
221	0.306	0.328	0.35	6.723	-6.723	3.819	-3.819
222	0.3	0.322	0.344	6.741	-6.741	3.844	-3.844
223	0.295	0.316	0.338	6.76	-6.76	3.87	-3.87
224	0.289	0.31	0.331	6.778	-6.778	3.895	-3.895
225	0.284	0.305	0.325	6.796	-6.796	3.921	-3.921
226	0.279	0.299	0.32	6.815	-6.815	3.947	-3.947
227	0.274	0.294	0.314	6.833	-6.833	3.972	-3.972
228	0.269	0.288	0.308	6.851	-6.851	3.998	-3.998
229	0.264	0.283	0.303	6.869	-6.869	4.024	-4.024
230	0.259	0.278	0.297	6.888	-6.888	4.05	-4.05
231	0.254	0.273	0.292	6.906	-6.906	4.076	-4.076
232	0.25	0.268	0.287	6.924	-6.924	4.102	-4.102
233	0.245	0.263	0.282	6.942	-6.942	4.128	-4.128
234	0.241	0.259	0.277	6.96	-6.96	4.155	-4.155
235	0.236	0.254	0.272	6.978	-6.978	4.181	-4.181
236	0.232	0.25	0.267	6.996	-6.996	4.207	-4.207
237	0.228	0.245	0.262	7.014	-7.014	4.234	-4.234
238	0.224	0.241	0.258	7.033	-7.033	4.26	-4.26
239	0.22	0.236	0.253	7.051	-7.051	4.287	-4.287
240	0.216	0.232	0.249	7.069	-7.069	4.314	-4.314
241	0.212	0.228	0.244	7.087	-7.087	4.34	-4.34
242	0.208	0.224	0.24	7.105	-7.105	4.367	-4.367
243	0.204	0.22	0.235	7.123	-7.123	4.394	-4.394
244	0.2	0.216	0.231	7.141	-7.141	4.421	-4.421



245	0.197	0.212	0.227	7.159	-7.159	4.448	-4.448
246	0.193	0.208	0.223	7.178	-7.178	4.475	-4.475
247	0.19	0.204	0.219	7.196	-7.196	4.502	-4.502
248	0.186	0.201	0.215	7.214	-7.214	4.529	-4.529
249	0.183	0.197	0.211	7.232	-7.232	4.556	-4.556
250	0.179	0.194	0.208	7.251	-7.251	4.583	-4.583



附表 II (Attachment II)

南京时恒电阻误差曲线图
Nanjing The curve of resistance tolerance

