编码(Coding)：JK/JXD260729005

南京时恒电子科技有限公司

Nanjing Shiheng Electronics Co.,Ltd.

产品承认书

APPROVAL SHEET

客户名称 CUSTOMER：	
产品名称 PART NAME：	MF52 测温型 NTC 热敏电阻器 MF52 Series Temp Measurement NTC Thermistor
产品型号 PART NUMBER：	MF52A 104J3950(A1)
版次 REV.NO：	C0
日期 DATE：	2026-07-29

南京时恒电子科技有限公司
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变更登记表

REVISED RECORD SHEET

版次 REV. NO	变更日期 REV.DATE	变更内容 CHANGE CONTENT	申请人 APPLICANT	批准人 APPROVED
A0	2015/10/11	版本制定。 Version formulation.	鞠晓丽	李少媛
B0	2022/4/1	更新规格书版本格式，增加版次管控，细化规格纸。 Update for version form of data sheet, add to management and control for number of edition, refine to PN and draw.	吴迎丽	李少媛
C0	2025/12/01	更新规格书版本格式，去掉：产品图纸此一页的变更履历表。 Update for version form of data sheet, Remove: Change history table on this page of the product drawing.	刘星月	李少媛

1、产品型号说明 Product model specification

MF52	A	104	J	3950	(A1)
①	②	③	④	⑤	⑥

① MF52：测温型 NTC 热敏电阻器系列 (Series Temp Measurement NTC Thermistor)

② A：指引线为镀锡线 (Refers to tinned lead)

③ 104：25℃的零功率电阻值 100kΩ (Zero Power Resistance at 25℃is 100kΩ)

④ J：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%)

⑤ 3950：$B_{25/50}$ 值 3950K ($B_{25/50}$:3950K)

⑥ (A1)：线材规格：引线外径Φ0.3mm (Wire dimension: The outer diameter of lead wire is Φ0.3mm)

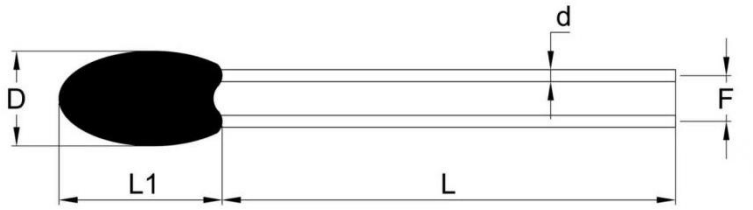
2、电气性能 Electrical Characteristics

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}	Ta=25±0.01℃ (测试功率≤0.1mW 油槽中测试) (Test Power≤0.1mW，In the oil tank)	kΩ	100kΩ±5%
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±0.01℃ T_b=50±0.01℃	K	3950K±1%
2.5	耗散系数 Thermal dissipation Coefficient	δ	静止空气中 In still air	mW/℃	约 2
2.6	时间常数 Thermal time constant	τ	静止空气中 In still air	sec	约 12
2.8	绝缘电阻 Insulation resistance	/	100V/DC 1min	MΩ	≥100
2.9	工作温度范围 Operating temperature range	/	/	℃	-55 ~ 125
2.10	最大额定功率 Maximum rated power	Pmax	/	mW	50
2.11	阻温特性 R&T-table	/	/	/	见附表 I See attached table I
2.12	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：			
			确认 Confirm		日期 DATE	
产品型号 MODEL NO.	MF52A 104J3950(A1)		审核 Approve:		日期 DATE	

尺寸 Dimensions： （Unit：mm）



DMax	L1Max	LMin	d±0.05	F±0.5
2.5	4.0	25	0.3	1.7

技术要求 Technical requirements：

1) 零功率阻值：R_{25}：100kΩ±5% (Zero Power Resistance: R_{25}：100kΩ±5%)；
2) $B_{25/50}$ 数值：3950K±1% (B-value:$B_{25/50}$: 3950K±1%)；
3) 线材：φ0.3 镀锡铜包钢线 (Φ0.3 tinned copper-weld steel wire)；
4) 封装：黑色环氧树脂包封 (Black Epoxy)；
5) 符合 RoHS 环保要求 (Meet environmental protection requirements:RoHS)。

4、可靠性 Reliability

No.	项目 Test Item	试验标准 Test Standard	试验条件及方法 Test Conditions / Methods	性能要求 Acceptance Criteria
4.1	引出端强度 Terminal strength	IEC60068-2-21	固定电阻端，拉力：5±1 N，时间：10±1 秒 Fixed resistor end, Pull strength: 5±1 N, time: 10±1 sec	无可见性损伤 No obvious damage $\|\Delta R_{25}/R_{25}\|\leqslant 2\%$
4.2	可焊性 Solder ability	IEC60068-2-20	温度：245±5℃，时间：2-3 秒 temperature: 245±5℃, for 2-3 sec	着锡面积≥95% Coverage area≥95%
4.3	耐焊接热 Withstand weiling temp	IEC60068-2-20	锡锅温度：260±5℃，浸入深度距电阻体 6mm，时间 5±1 秒 Temperature of tin pot: 260±5℃, insert deepth from body of resistance 6mm, time 5±1 senconds	无可见性损伤 No obvious damage $\|\Delta R_{25}/R_{25}\|\leqslant 2\%$
4.4	稳态湿热 Steady humidity and heat	IEC60068-2-78	温度：40℃±2℃，湿度：93±2%，时间：500 小时 Temp: 40℃±2℃, humidity: 93±2%, Time: 500 hrs	无可见性损伤 No obvious damage $\|\Delta R_{25}/R_{25}\|\leqslant 2\%$
4.5	温度快速变化 Rapid changes in temperature	IEC60068-2-14	-55℃ 30min→25℃ 5min→125℃ 30min→25℃ 5min, 5 cycles	无可见性损伤 No obvious damage $\|\Delta R_{25}/R_{25}\|\leqslant 2\%$
4.6	高温储存 High temperature storage	IEC60068-2-2	温度：125℃±5℃ 时间：1000 小时 Temp: 125℃±5℃, Time: 1000 hrs	无可见性损伤 No obvious damage $\|\Delta R_{25}/R_{25}\|\leqslant 2\%$
4.7	低温储存 Low temperature storage	IEC60068-2-1	温度：-55℃，时间：1000 小时 Temp: -55℃, Time: 1000 hrs	无可见性损伤 No obvious damage $\|\Delta R_{25}/R_{25}\|\leqslant 2\%$

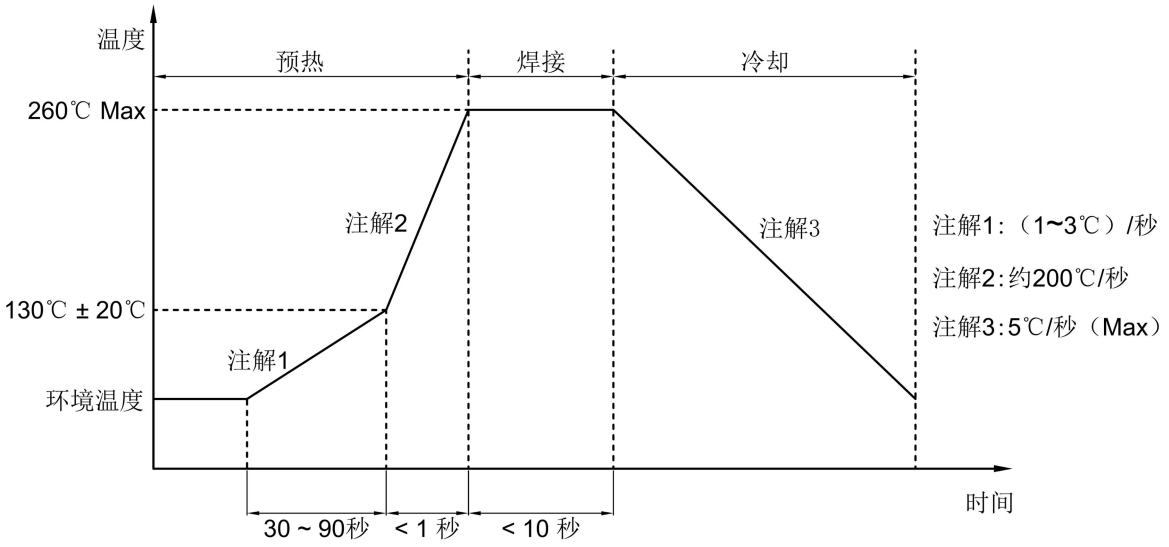
▲注： 1）稳态湿热及温度快速变化试验结束后，样品需在常温环境下静置 2 小时后再做性能测试；

▲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；

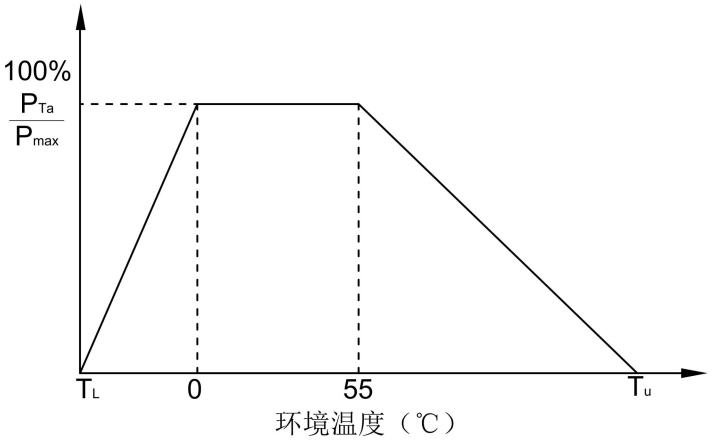
2）高温存储结束后，需随测试环境自然恢复至常温，再取出做性能测试。

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

5、推荐波峰焊曲线 Recommended wave soldering profile



6、降功耗曲线 Power Derating Curve



例如：
环境温度（T_a）=90℃
最大工作温度(T_u)=125℃
For example:
Ambient temperature（T_a）=90℃
Maximum operating temperature（T_u）=125℃

$$P_{Ta} = \frac{T_u - T_a}{T_u - 55} \times P_{max} = 50\%P_{max}$$

7、产品包装 Product packaging

7.1 包装方式 Packing Type

☑ 散装方式 Bulk Type　　☐编编带方式 Reel Type

7.2 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) W×H=11cm×12cm	
2	编编带包装盒 reel packing box	包装盒 packing box W×G×H=335mm×240mm×50mm	

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

8.1 本产品的用途：温度测量与控制；
Usage of this product: Temperature measurement and control；
8.2 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；
8.3 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 soldering by soldering iron, the distance between the welding place and the coating head should be at least 2mm, the welding temperature should be lower than 360℃, and the welding time should be less than 3sec;
8.4 储存温度：-10℃～40℃；储存湿度：≤75% RH；
Storage temperature: -10℃～40℃; storage humidity: ≤75% RH；
8.5 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；
8.6 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；
8.7 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；
If the heat shrinkable tube is used in the manufacturing process, do not use a hair dryer to shrink the tube. This is a recommended heat shrinkable process that puts the product covered shrinkable tube into a constant temperature oven, and shrink them at 110℃/10 ~ 12min；
8.8 对于 MF52A、B、C、D 等型号的测温型 NTC 热敏电阻器，其均为径向引出线结构，不得将其两引线拉成 180° 轴向使用；
For the MF52A, B, C, D Type NTC thermistors, they are all radial lead-out structure, shall not be used to pull its two leads into 180° axial；
8.9 芯片为陶瓷半导体，在使用过程中避免挤压或对环氧端头物理撞击，以免造成产品损伤。
The core chip of the product is a ceramic semiconductor. Avoid extrusion or physical impact on the epoxy end in the process of use, so as not to cause product damage。

8、产品认证 Product certification

No.	项目 Projects	产品认证 Product certification
8.1	质量管理体系认证 Quality Management System Certification	ISO9001:2015
		IATF16949：2016
8.2	环境管理体系认证 Environmental Management System Certification	ISO14001:2015
8.3	知识产权管理体系认证 Intellectual Property Management System Certification	GB/T29490-2013
8.4	环保检测报告 Environmental test report	RoHS 2.0
8.5	CQC 认证（CQC07001019009） CQC certificate（CQC07001019009）	
8.6	TUV 认证（R50245892） TUV certificate（R50245892）	
8.7	UL/cUL 认证（E240991） UL/cUL certificate（E240991）	

附表 I Attachment I

南京时恒阻温特性表 SHIHENG R-T Table

R_{25}=100kΩ 精度:±5%　$B_{25/50}$=3950K 精度:±1%（P209-15A）

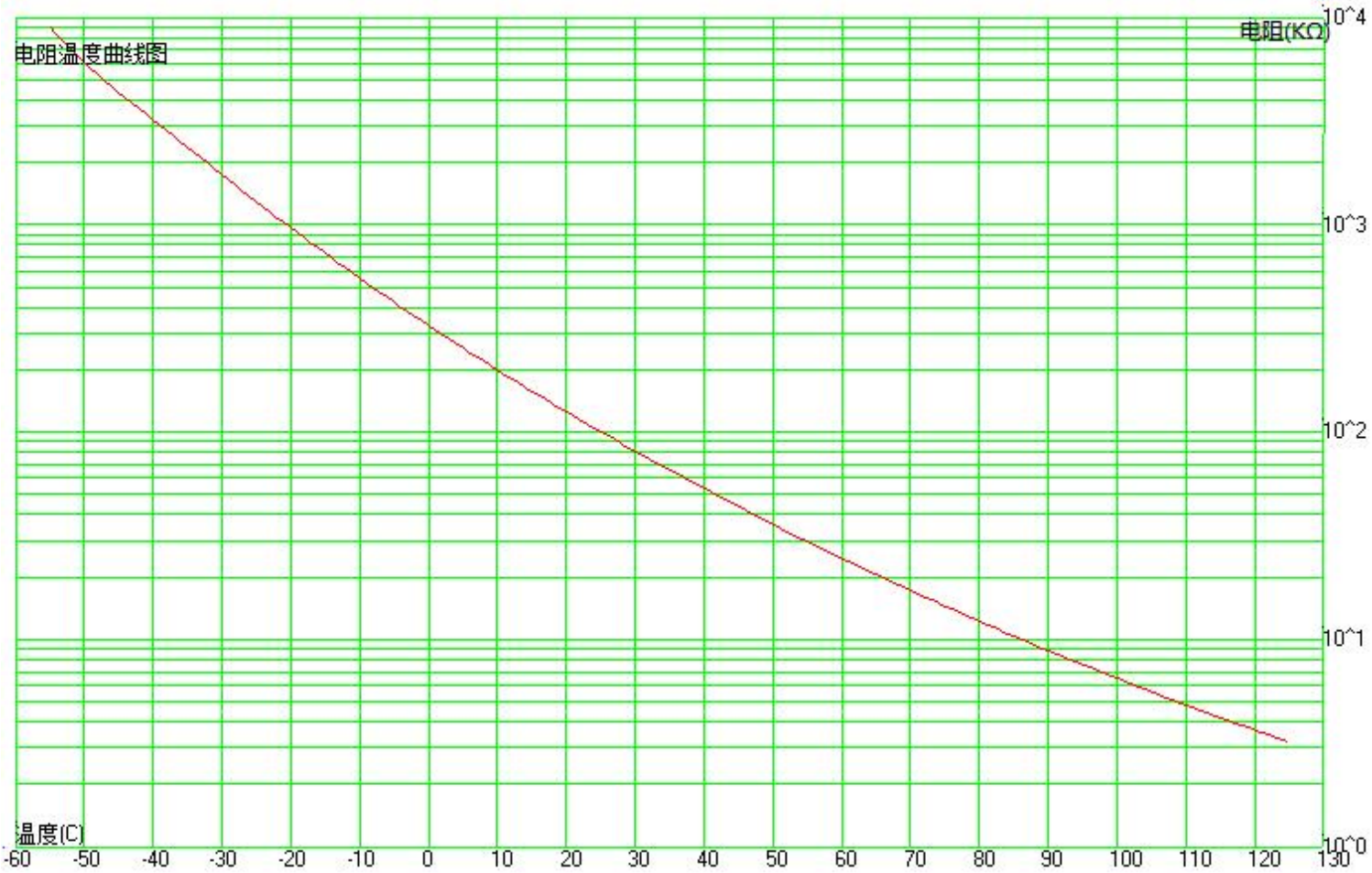
温度(℃)	电阻(kΩ)			电阻精度(%)		温度精度(℃)	
	最小值	中心值	最大值	△R	-△R	△T	-△T
-55	8134.58	8989	9843.41	9.505	-9.505	1.236	-1.236
-54	7466.37	8242.68	9019	9.418	-9.418	1.239	-1.239
-53	6884.1	7592.96	8301.83	9.335	-9.335	1.241	-1.241
-52	6371.39	7021.38	7671.38	9.257	-9.257	1.243	-1.243
-51	5915.66	6513.75	7111.85	9.182	-9.182	1.244	-1.244
-50	5507.11	6059.06	6611.01	9.109	-9.109	1.245	-1.245
-49	5138.08	5648.68	6159.27	9.039	-9.039	1.246	-1.246
-48	4802.52	5275.8	5749.08	8.97	-8.97	1.246	-1.246
-47	4495.62	4935.02	5374.42	8.903	-8.903	1.247	-1.247
-46	4213.5	4621.99	5030.48	8.838	-8.838	1.247	-1.247
-45	3953.05	4333.22	4713.38	8.773	-8.773	1.246	-1.246
-44	3711.73	4065.84	4419.95	8.709	-8.709	1.246	-1.246
-43	3487.44	3817.52	4147.59	8.646	-8.646	1.246	-1.246
-42	3278.48	3586.31	3894.15	8.583	-8.583	1.245	-1.245
-41	3083.37	3370.6	3657.82	8.521	-8.521	1.244	-1.244
-40	2900.91	3169	3437.08	8.459	-8.459	1.244	-1.244
-39	2730.04	2980.33	3230.63	8.398	-8.398	1.243	-1.243
-38	2569.87	2803.6	3037.33	8.336	-8.336	1.242	-1.242
-37	2419.6	2637.91	2856.22	8.275	-8.275	1.241	-1.241
-36	2278.53	2482.47	2686.4	8.214	-8.214	1.24	-1.24
-35	2146.05	2336.58	2527.11	8.154	-8.154	1.24	-1.24
-34	2021.59	2199.62	2377.66	8.093	-8.093	1.239	-1.239
-33	1904.64	2071.02	2237.39	8.033	-8.033	1.238	-1.238
-32	1794.74	1950.23	2105.73	7.973	-7.973	1.237	-1.237
-31	1691.44	1836.79	1982.14	7.913	-7.913	1.236	-1.236
-30	1594.35	1730.23	1866.11	7.853	-7.853	1.235	-1.235
-29	1503.1	1630.15	1757.19	7.793	-7.793	1.234	-1.234
-28	1417.33	1536.14	1654.94	7.734	-7.734	1.233	-1.233
-27	1336.72	1447.84	1558.95	7.674	-7.674	1.232	-1.232
-26	1260.95	1364.9	1468.84	7.615	-7.615	1.231	-1.231
-25	1189.74	1287	1384.25	7.556	-7.556	1.23	-1.23
-24	1122.81	1213.82	1304.84	7.498	-7.498	1.229	-1.229
-23	1059.9	1145.09	1230.29	7.439	-7.439	1.228	-1.228
-22	1000.77	1080.53	1160.3	7.381	-7.381	1.227	-1.227

-21	945.194	1019.89	1094.58	7.323	-7.323	1.226	-1.226
-20	892.945	962.912	1032.88	7.266	-7.266	1.225	-1.225
-19	843.822	909.379	974.936	7.208	-7.208	1.224	-1.224
-18	797.633	859.074	920.515	7.152	-7.152	1.223	-1.223
-17	754.198	811.797	869.397	7.095	-7.095	1.222	-1.222
-16	713.345	767.359	821.373	7.038	-7.038	1.221	-1.221
-15	674.914	725.581	776.248	6.982	-6.982	1.22	-1.22
-14	638.755	686.296	733.837	6.927	-6.927	1.219	-1.219
-13	604.726	649.348	693.97	6.871	-6.871	1.217	-1.217
-12	572.695	614.59	656.485	6.816	-6.816	1.216	-1.216
-11	542.537	581.883	621.23	6.761	-6.761	1.215	-1.215
-10	514.134	551.1	588.065	6.707	-6.707	1.214	-1.214
-9	487.378	522.117	556.856	6.653	-6.653	1.212	-1.212
-8	462.167	494.824	527.481	6.599	-6.599	1.211	-1.211
-7	438.403	469.113	499.823	6.546	-6.546	1.209	-1.209
-6	415.998	444.886	473.774	6.493	-6.493	1.208	-1.208
-5	394.867	422.05	449.232	6.44	-6.44	1.206	-1.206
-4	374.932	400.518	426.103	6.388	-6.388	1.205	-1.205
-3	356.119	380.209	404.299	6.336	-6.336	1.203	-1.203
-2	338.358	361.048	383.737	6.284	-6.284	1.201	-1.201
-1	321.587	342.963	364.34	6.232	-6.232	1.2	-1.2
0	306.366	326.56	346.753	6.183	-6.183	1.196	-1.196
1	290.772	309.764	328.755	6.13	-6.13	1.196	-1.196
2	276.62	294.529	312.438	6.08	-6.08	1.194	-1.194
3	263.238	280.131	297.024	6.03	-6.03	1.192	-1.192
4	250.581	266.52	282.459	5.98	-5.98	1.19	-1.19
5	238.604	253.647	268.691	5.931	-5.931	1.188	-1.188
6	227.267	241.47	255.673	5.881	-5.881	1.186	-1.186
7	216.533	229.946	243.358	5.832	-5.832	1.184	-1.184
8	206.367	219.036	231.706	5.784	-5.784	1.182	-1.182
9	196.734	208.706	220.677	5.735	-5.735	1.18	-1.18
10	187.605	198.92	210.234	5.687	-5.687	1.178	-1.178
11	178.95	189.647	200.343	5.64	-5.64	1.175	-1.175
12	170.742	180.857	190.972	5.592	-5.592	1.173	-1.173
13	162.955	172.523	182.09	5.545	-5.545	1.171	-1.171
14	155.566	164.618	173.669	5.498	-5.498	1.168	-1.168
15	148.552	157.118	165.684	5.451	-5.451	1.166	-1.166
16	141.892	150	158.109	5.405	-5.405	1.163	-1.163
17	135.566	143.243	150.92	5.359	-5.359	1.161	-1.161
18	129.556	136.827	144.097	5.313	-5.313	1.158	-1.158

19	123.844	130.731	137.618	5.267	-5.267	1.155	-1.155
20	118.414	124.94	131.465	5.222	-5.222	1.153	-1.153
21	113.251	119.435	125.619	5.177	-5.177	1.15	-1.15
22	108.34	114.202	120.063	5.132	-5.132	1.147	-1.147
23	103.667	109.225	114.782	5.088	-5.088	1.145	-1.145
24	99.22	104.491	109.761	5.043	-5.043	1.144	-1.144
25	95	100	105	5	-5	1.141	-1.141
26	90.872	95.699	100.526	5.043	-5.043	1.151	-1.151
27	86.956	91.617	96.278	5.087	-5.087	1.17	-1.17
28	83.229	87.731	92.232	5.13	-5.13	1.187	-1.187
29	79.681	84.028	88.376	5.174	-5.174	1.205	-1.205
30	76.302	80.501	84.701	5.216	-5.216	1.222	-1.222
31	73.083	77.14	81.197	5.259	-5.259	1.24	-1.24
32	70.016	73.936	77.856	5.301	-5.301	1.257	-1.257
33	67.093	70.881	74.669	5.344	-5.344	1.275	-1.275
34	64.307	67.968	71.628	5.386	-5.386	1.293	-1.293
35	61.65	65.188	68.727	5.427	-5.427	1.311	-1.311
36	59.116	62.537	65.957	5.469	-5.469	1.328	-1.328
37	56.699	60.006	63.313	5.51	-5.51	1.346	-1.346
38	54.393	57.59	60.787	5.551	-5.551	1.364	-1.364
39	52.191	55.283	58.375	5.592	-5.592	1.383	-1.383
40	50.09	53.08	56.07	5.633	-5.633	1.401	-1.401
41	48.083	50.976	53.868	5.673	-5.673	1.419	-1.419
42	46.167	48.965	51.763	5.714	-5.714	1.437	-1.437
43	44.337	47.044	49.751	5.754	-5.754	1.456	-1.456
44	42.587	45.207	47.826	5.794	-5.794	1.475	-1.475
45	40.916	43.451	45.985	5.833	-5.833	1.493	-1.493
46	39.318	41.771	44.224	5.873	-5.873	1.512	-1.512
47	37.79	40.165	42.539	5.912	-5.912	1.531	-1.531
48	36.329	38.628	40.927	5.951	-5.951	1.55	-1.55
49	34.931	37.157	39.383	5.99	-5.99	1.569	-1.569
50	33.594	35.75	37.905	6.028	-6.028	1.588	-1.588
51	32.315	34.402	36.489	6.067	-6.067	1.607	-1.607
52	31.09	33.112	35.133	6.105	-6.105	1.626	-1.626
53	29.917	31.876	33.834	6.143	-6.143	1.645	-1.645
54	28.795	30.692	32.589	6.181	-6.181	1.665	-1.665
55	27.719	29.558	31.396	6.219	-6.219	1.684	-1.684
56	26.689	28.471	30.252	6.256	-6.256	1.704	-1.704
57	25.702	27.429	29.155	6.294	-6.294	1.724	-1.724
58	24.757	26.43	28.103	6.331	-6.331	1.743	-1.743

59	23.85	25.472	27.094	6.368	-6.368	1.763	-1.763
60	22.981	24.554	26.126	6.404	-6.404	1.783	-1.783
61	22.148	23.672	25.197	6.441	-6.441	1.803	-1.803
62	21.348	22.827	24.306	6.477	-6.477	1.823	-1.823
63	20.581	22.016	23.45	6.514	-6.514	1.844	-1.844
64	19.846	21.237	22.628	6.55	-6.55	1.864	-1.864
65	19.14	20.489	21.839	6.585	-6.585	1.884	-1.884
66	18.462	19.771	21.081	6.621	-6.621	1.905	-1.905
67	17.812	19.082	20.352	6.657	-6.657	1.925	-1.925
68	17.187	18.42	19.653	6.692	-6.692	1.946	-1.946
69	16.587	17.784	18.98	6.727	-6.727	1.967	-1.967
70	16.011	17.172	18.334	6.762	-6.762	1.987	-1.987
71	15.457	16.585	17.712	6.797	-6.797	2.008	-2.008
72	14.925	16.02	17.115	6.832	-6.832	2.029	-2.029
73	14.414	15.477	16.54	6.866	-6.866	2.05	-2.05
74	13.923	14.955	15.987	6.901	-6.901	2.072	-2.072
75	13.45	14.453	15.455	6.935	-6.935	2.093	-2.093
76	12.996	13.97	14.943	6.969	-6.969	2.114	-2.114
77	12.559	13.505	14.451	7.003	-7.003	2.136	-2.136
78	12.139	13.058	13.977	7.036	-7.036	2.157	-2.157
79	11.735	12.628	13.52	7.07	-7.07	2.179	-2.179
80	11.346	12.213	13.081	7.103	-7.103	2.201	-2.201
81	10.971	11.815	12.658	7.137	-7.137	2.222	-2.222
82	10.611	11.431	12.25	7.17	-7.17	2.244	-2.244
83	10.264	11.061	11.858	7.203	-7.203	2.266	-2.266
84	9.93	10.705	11.479	7.235	-7.235	2.288	-2.288
85	9.608	10.362	11.115	7.268	-7.268	2.31	-2.31
86	9.299	10.031	10.763	7.3	-7.3	2.333	-2.333
87	9	9.712	10.425	7.333	-7.333	2.355	-2.355
88	8.713	9.405	10.098	7.365	-7.365	2.377	-2.377
89	8.436	9.11	9.783	7.397	-7.397	2.4	-2.4
90	8.169	8.824	9.48	7.429	-7.429	2.422	-2.422
91	7.911	8.549	9.187	7.461	-7.461	2.445	-2.445
92	7.663	8.284	8.905	7.492	-7.492	2.468	-2.468
93	7.424	8.028	8.632	7.523	-7.523	2.491	-2.491
94	7.194	7.782	8.37	7.555	-7.555	2.514	-2.514
95	6.971	7.544	8.116	7.586	-7.586	2.537	-2.537
96	6.757	7.314	7.871	7.617	-7.617	2.56	-2.56
97	6.55	7.093	7.635	7.648	-7.648	2.583	-2.583
98	6.351	6.879	7.407	7.678	-7.678	2.606	-2.606

99	6.158	6.673	7.187	7.709	-7.709	2.63	-2.63
100	5.972	6.474	6.975	7.739	-7.739	2.653	-2.653
101	5.793	6.281	6.769	7.769	-7.769	2.677	-2.677
102	5.62	6.096	6.571	7.799	-7.799	2.701	-2.701
103	5.453	5.916	6.38	7.829	-7.829	2.725	-2.725
104	5.292	5.743	6.195	7.859	-7.859	2.749	-2.749
105	5.136	5.576	6.016	7.889	-7.889	2.773	-2.773
106	4.986	5.415	5.844	7.918	-7.918	2.797	-2.797
107	4.841	5.259	5.677	7.947	-7.947	2.821	-2.821
108	4.701	5.108	5.516	7.976	-7.976	2.845	-2.845
109	4.566	4.963	5.36	8.005	-8.005	2.87	-2.87
110	4.435	4.822	5.21	8.034	-8.034	2.894	-2.894
111	4.309	4.687	5.064	8.063	-8.063	2.919	-2.919
112	4.187	4.555	4.924	8.091	-8.091	2.944	-2.944
113	4.069	4.428	4.788	8.119	-8.119	2.969	-2.969
114	3.955	4.306	4.657	8.148	-8.148	2.994	-2.994
115	3.845	4.187	4.53	8.176	-8.176	3.019	-3.019
116	3.739	4.073	4.407	8.203	-8.203	3.044	-3.044
117	3.636	3.962	4.288	8.231	-8.231	3.069	-3.069
118	3.537	3.855	4.173	8.258	-8.258	3.095	-3.095
119	3.441	3.751	4.062	8.286	-8.286	3.12	-3.12
120	3.348	3.651	3.955	8.313	-8.313	3.146	-3.146
121	3.258	3.555	3.851	8.34	-8.34	3.172	-3.172
122	3.171	3.461	3.751	8.366	-8.366	3.198	-3.198
123	3.088	3.371	3.654	8.393	-8.393	3.224	-3.224
124	3.007	3.283	3.56	8.419	-8.419	3.25	-3.25
125	2.928	3.199	3.469	8.445	-8.445	3.276	-3.276


电阻温度曲线图
电阻(KΩ)
10^4
10^3
10^2
10^1
10^0
温度(C)
-60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

附表 II Attachment II

