编码(Coding)：JK/JXD260807007

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 103J3950(A1)
版次 REV.NO：	C0
日期 DATE：	2026-08-07

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	103	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)

③ 103：25℃的零功率电阻值 10kΩ (Zero Power Resistance at 25℃is 10kΩ)

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)

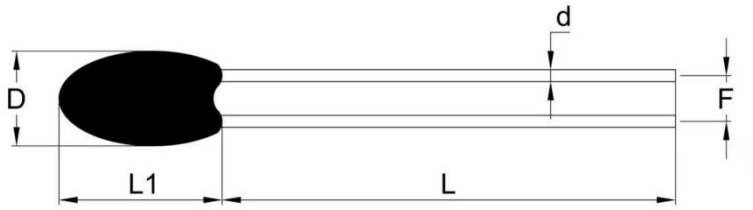
2、电气性能 Electrical Characteristics

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±0.5℃ (测试功率≤0.1mW 空气中测试) (Test Power≤0.1mW，in air)	kΩ	10kΩ±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	/	/	℃	-40~ 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 103J3950(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}：10kΩ±5% (Zero Power Resistance: R_{25}：10kΩ±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 $\|\Delta R_{25}/R_{25}\|\leqslant 2\%$

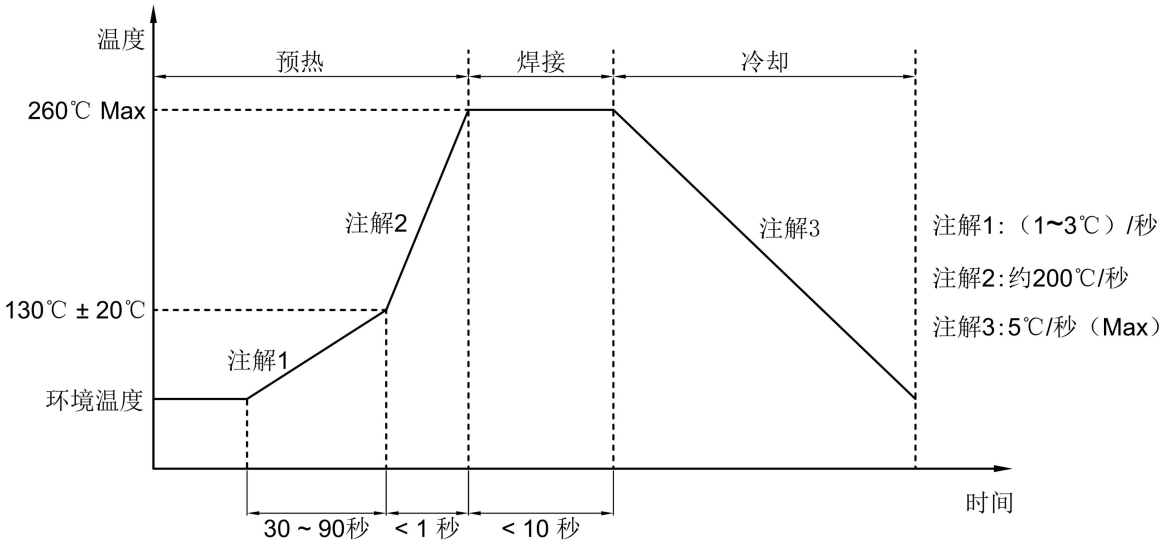
▲注： 1）稳态湿热及温度快速变化试验结束后，样品需在常温环境下静置 2 小时后再做性能测试；

▲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；

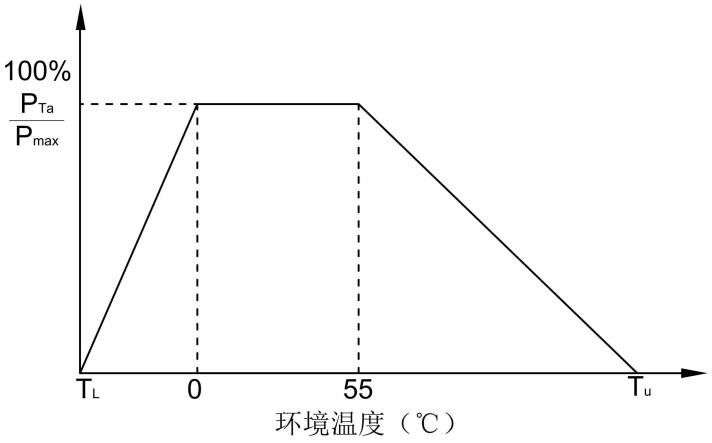
2）高温存储结束后，需随测试环境自然恢复至常温，再取出做性能测试。

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}=10kΩ 精度:±5% $B_{25/50}$=3950K 精度:±1% (P477-4B)

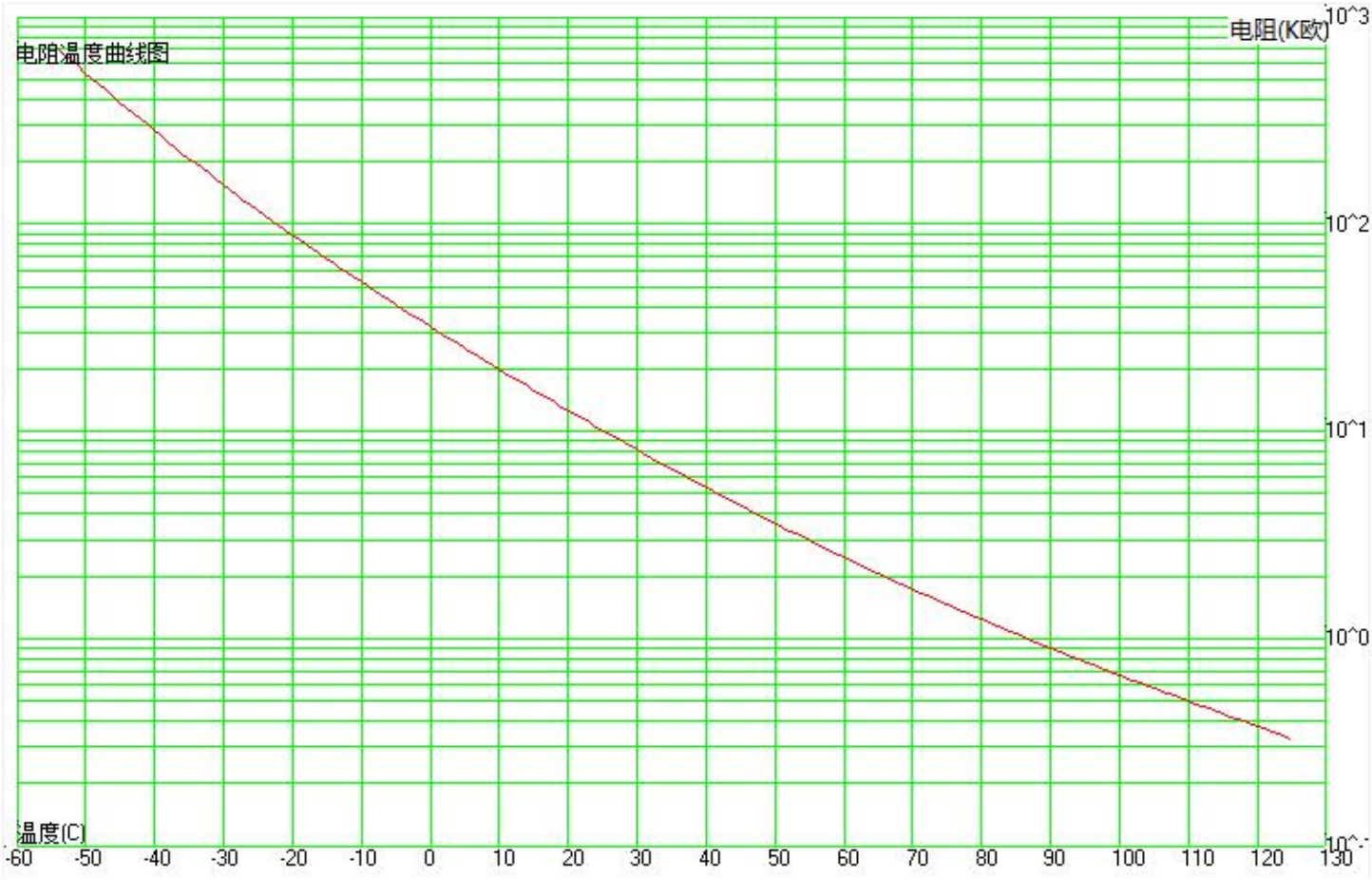
温度(℃)	电阻(kΩ)			电阻精度(%)		温度精度(℃)	
	最小值	中心值	最大值	△R	-△R	△T	-△T
-55	679.356	749.2	819.043	9.322	-9.322	1.264	-1.264
-54	634.779	699.508	764.238	9.253	-9.253	1.264	-1.264
-53	593.434	653.455	713.477	9.185	-9.185	1.265	-1.265
-52	555.049	610.733	666.416	9.117	-9.117	1.266	-1.266
-51	519.385	571.067	622.75	9.05	-9.05	1.266	-1.266
-50	486.225	534.215	582.205	8.983	-8.983	1.267	-1.267
-49	455.377	499.957	544.537	8.916	-8.916	1.268	-1.268
-48	426.665	468.095	509.525	8.85	-8.85	1.268	-1.268
-47	399.929	438.448	476.966	8.785	-8.785	1.269	-1.269
-46	375.025	410.851	446.677	8.719	-8.719	1.269	-1.269
-45	351.818	385.154	418.489	8.655	-8.655	1.269	-1.269
-44	330.185	361.217	392.249	8.59	-8.59	1.27	-1.27
-43	310.014	338.913	367.812	8.526	-8.526	1.27	-1.27
-42	291.199	318.123	345.048	8.463	-8.463	1.27	-1.27
-41	273.643	298.739	323.835	8.4	-8.4	1.27	-1.27
-40	257.258	280.66	304.061	8.337	-8.337	1.27	-1.27
-39	241.96	263.791	285.622	8.275	-8.275	1.271	-1.271
-38	227.671	248.046	268.421	8.214	-8.214	1.271	-1.271
-37	214.321	233.346	252.371	8.152	-8.152	1.271	-1.271
-36	201.844	219.615	237.387	8.092	-8.092	1.27	-1.27
-35	190.176	206.785	223.394	8.031	-8.031	1.27	-1.27
-34	179.263	194.792	210.32	7.971	-7.971	1.27	-1.27
-33	169.05	183.576	198.101	7.912	-7.912	1.27	-1.27
-32	159.489	173.082	186.675	7.853	-7.853	1.269	-1.269
-31	150.534	163.26	175.986	7.795	-7.795	1.269	-1.269
-30	142.143	154.062	165.982	7.736	-7.736	1.268	-1.268
-29	134.276	145.446	156.615	7.679	-7.679	1.268	-1.268
-28	126.899	137.369	147.839	7.622	-7.622	1.267	-1.267
-27	119.976	129.795	139.615	7.565	-7.565	1.267	-1.267
-26	113.477	122.689	131.902	7.508	-7.508	1.266	-1.266
-25	107.373	116.02	124.666	7.452	-7.452	1.265	-1.265
-24	101.637	109.756	117.875	7.397	-7.397	1.264	-1.264
-23	96.244	103.87	111.497	7.342	-7.342	1.263	-1.263
-22	91.172	98.338	105.504	7.287	-7.287	1.262	-1.262

-21	86.398	93.135	99.871	7.232	-7.232	1.26	-1.26
-20	81.904	88.238	94.573	7.178	-7.178	1.259	-1.259
-19	77.671	83.629	89.588	7.125	-7.125	1.258	-1.258
-18	73.681	79.288	84.895	7.071	-7.071	1.256	-1.256
-17	69.92	75.197	80.475	7.018	-7.018	1.255	-1.255
-16	66.371	71.341	76.311	6.965	-6.965	1.253	-1.253
-15	63.023	67.704	72.385	6.913	-6.913	1.251	-1.251
-14	59.862	64.272	68.682	6.861	-6.861	1.25	-1.25
-13	56.876	61.032	65.188	6.809	-6.809	1.248	-1.248
-12	54.054	57.972	61.89	6.758	-6.758	1.246	-1.246
-11	51.387	55.082	58.776	6.707	-6.707	1.244	-1.244
-10	48.865	52.35	55.834	6.656	-6.656	1.242	-1.242
-9	46.479	49.766	53.053	6.605	-6.605	1.239	-1.239
-8	44.22	47.322	50.424	6.555	-6.555	1.237	-1.237
-7	42.082	45.01	47.938	6.504	-6.504	1.235	-1.235
-6	40.057	42.821	45.585	6.455	-6.455	1.232	-1.232
-5	38.138	40.748	43.359	6.405	-6.405	1.23	-1.23
-4	36.32	38.785	41.25	6.355	-6.355	1.227	-1.227
-3	34.596	36.925	39.254	6.306	-6.306	1.224	-1.224
-2	32.961	35.161	37.362	6.257	-6.257	1.222	-1.222
-1	31.41	33.489	35.569	6.209	-6.209	1.219	-1.219
0	30.074	32.049	34.025	6.165	-6.165	1.212	-1.212
1	28.541	30.399	32.258	6.112	-6.112	1.213	-1.213
2	27.215	28.972	30.729	6.064	-6.064	1.209	-1.209
3	25.955	27.617	29.278	6.016	-6.016	1.206	-1.206
4	24.759	26.33	27.902	5.968	-5.968	1.203	-1.203
5	23.622	25.109	26.595	5.92	-5.92	1.199	-1.199
6	22.542	23.948	25.355	5.873	-5.873	1.196	-1.196
7	21.515	22.846	24.177	5.826	-5.826	1.192	-1.192
8	20.538	21.798	23.058	5.779	-5.779	1.188	-1.188
9	19.61	20.802	21.995	5.732	-5.732	1.184	-1.184
10	18.726	19.856	20.985	5.686	-5.686	1.18	-1.18
11	17.886	18.955	20.024	5.639	-5.639	1.176	-1.176
12	17.087	18.099	19.112	5.593	-5.593	1.172	-1.172
13	16.326	17.285	18.244	5.547	-5.547	1.167	-1.167
14	15.602	16.51	17.418	5.501	-5.501	1.162	-1.162
15	14.912	15.773	16.633	5.455	-5.455	1.157	-1.157
16	14.256	15.071	15.886	5.41	-5.41	1.151	-1.151
17	13.63	14.403	15.176	5.364	-5.364	1.144	-1.144
18	13.035	13.767	14.5	5.319	-5.319	1.137	-1.137

19	12.468	13.162	13.856	5.274	-5.274	1.128	-1.128
20	11.927	12.585	13.244	5.23	-5.23	1.117	-1.117
21	11.412	12.036	12.66	5.185	-5.185	1.103	-1.103
22	10.921	11.513	12.105	5.14	-5.14	1.083	-1.083
23	10.454	11.015	11.576	5.096	-5.096	1.046	-1.046
24	10.008	10.54	11.073	5.052	-5.052	0.956	-0.956
25	9.5	10	10.5	5	-5	0.952	-0.952
26	9.17	9.656	10.143	5.034	-5.034	1.446	-1.446
27	8.776	9.245	9.715	5.078	-5.078	1.303	-1.303
28	8.4	8.853	9.307	5.121	-5.121	1.274	-1.274
29	8.042	8.479	8.917	5.164	-5.164	1.269	-1.269
30	7.7	8.123	8.546	5.207	-5.207	1.274	-1.274
31	7.374	7.783	8.192	5.25	-5.25	1.282	-1.282
32	7.064	7.459	7.854	5.293	-5.293	1.293	-1.293
33	6.768	7.149	7.531	5.335	-5.335	1.306	-1.306
34	6.486	6.854	7.223	5.377	-5.377	1.32	-1.32
35	6.216	6.573	6.929	5.419	-5.419	1.334	-1.334
36	5.959	6.304	6.648	5.461	-5.461	1.35	-1.35
37	5.714	6.047	6.38	5.502	-5.502	1.365	-1.365
38	5.48	5.802	6.124	5.544	-5.544	1.381	-1.381
39	5.257	5.568	5.879	5.585	-5.585	1.398	-1.398
40	5.044	5.345	5.645	5.626	-5.626	1.415	-1.415
41	4.84	5.131	5.422	5.667	-5.667	1.432	-1.432
42	4.646	4.927	5.209	5.707	-5.707	1.449	-1.449
43	4.46	4.733	5.005	5.748	-5.748	1.466	-1.466
44	4.283	4.546	4.81	5.788	-5.788	1.484	-1.484
45	4.114	4.368	4.623	5.828	-5.828	1.502	-1.502
46	3.952	4.198	4.445	5.867	-5.867	1.52	-1.52
47	3.797	4.036	4.274	5.907	-5.907	1.538	-1.538
48	3.65	3.88	4.111	5.946	-5.946	1.556	-1.556
49	3.508	3.732	3.955	5.985	-5.985	1.574	-1.574
50	3.373	3.59	3.806	6.024	-6.024	1.593	-1.593
51	3.244	3.453	3.663	6.063	-6.063	1.612	-1.612
52	3.12	3.323	3.526	6.101	-6.101	1.631	-1.631
53	3.002	3.199	3.395	6.14	-6.14	1.65	-1.65
54	2.889	3.079	3.27	6.178	-6.178	1.669	-1.669
55	2.781	2.965	3.15	6.215	-6.215	1.688	-1.688
56	2.677	2.856	3.035	6.253	-6.253	1.707	-1.707
57	2.578	2.751	2.924	6.29	-6.29	1.727	-1.727
58	2.483	2.651	2.819	6.327	-6.327	1.747	-1.747

59	2.392	2.555	2.718	6.364	-6.364	1.766	-1.766
60	2.305	2.463	2.62	6.401	-6.401	1.786	-1.786
61	2.222	2.375	2.527	6.438	-6.438	1.806	-1.806
62	2.142	2.29	2.438	6.474	-6.474	1.827	-1.827
63	2.065	2.209	2.353	6.51	-6.51	1.847	-1.847
64	1.992	2.131	2.271	6.546	-6.546	1.867	-1.867
65	1.921	2.056	2.192	6.582	-6.582	1.888	-1.888
66	1.853	1.985	2.116	6.617	-6.617	1.908	-1.908
67	1.789	1.916	2.044	6.652	-6.652	1.929	-1.929
68	1.726	1.85	1.974	6.687	-6.687	1.95	-1.95
69	1.667	1.787	1.907	6.722	-6.722	1.971	-1.971
70	1.609	1.726	1.843	6.757	-6.757	1.992	-1.992
71	1.554	1.668	1.781	6.791	-6.791	2.013	-2.013
72	1.502	1.612	1.722	6.825	-6.825	2.035	-2.035
73	1.451	1.558	1.665	6.859	-6.859	2.056	-2.056
74	1.402	1.506	1.61	6.893	-6.893	2.077	-2.077
75	1.355	1.456	1.557	6.927	-6.927	2.099	-2.099
76	1.31	1.408	1.507	6.96	-6.96	2.121	-2.121
77	1.267	1.362	1.458	6.994	-6.994	2.143	-2.143
78	1.226	1.318	1.411	7.027	-7.027	2.165	-2.165
79	1.186	1.276	1.366	7.059	-7.059	2.187	-2.187
80	1.147	1.235	1.322	7.092	-7.092	2.209	-2.209
81	1.11	1.195	1.28	7.125	-7.125	2.231	-2.231
82	1.074	1.157	1.24	7.157	-7.157	2.253	-2.253
83	1.04	1.121	1.201	7.189	-7.189	2.276	-2.276
84	1.007	1.085	1.164	7.221	-7.221	2.298	-2.298
85	0.975	1.052	1.128	7.253	-7.253	2.321	-2.321
86	0.945	1.019	1.093	7.284	-7.284	2.344	-2.344
87	0.915	0.987	1.06	7.316	-7.316	2.367	-2.367
88	0.887	0.957	1.027	7.347	-7.347	2.39	-2.39
89	0.859	0.928	0.996	7.378	-7.378	2.413	-2.413
90	0.833	0.899	0.966	7.409	-7.409	2.436	-2.436
91	0.807	0.872	0.937	7.44	-7.44	2.459	-2.459
92	0.783	0.846	0.909	7.471	-7.471	2.482	-2.482
93	0.759	0.82	0.882	7.501	-7.501	2.505	-2.505
94	0.736	0.796	0.856	7.532	-7.532	2.529	-2.529
95	0.714	0.772	0.831	7.562	-7.562	2.552	-2.552
96	0.692	0.749	0.806	7.592	-7.592	2.576	-2.576
97	0.672	0.727	0.783	7.622	-7.622	2.6	-2.6
98	0.652	0.706	0.76	7.652	-7.652	2.624	-2.624

99	0.633	0.685	0.738	7.681	-7.681	2.647	-2.647
100	0.614	0.666	0.717	7.711	-7.711	2.671	-2.671
101	0.596	0.646	0.696	7.74	-7.74	2.695	-2.695
102	0.579	0.628	0.676	7.769	-7.769	2.719	-2.719
103	0.562	0.61	0.657	7.799	-7.799	2.744	-2.744
104	0.546	0.592	0.639	7.828	-7.828	2.768	-2.768
105	0.53	0.575	0.621	7.857	-7.857	2.792	-2.792
106	0.515	0.559	0.603	7.885	-7.885	2.817	-2.817
107	0.5	0.543	0.586	7.914	-7.914	2.841	-2.841
108	0.486	0.528	0.57	7.943	-7.943	2.866	-2.866
109	0.472	0.513	0.554	7.971	-7.971	2.89	-2.89
110	0.459	0.499	0.539	8	-8	2.915	-2.915
111	0.446	0.485	0.524	8.028	-8.028	2.94	-2.94
112	0.433	0.471	0.509	8.056	-8.056	2.964	-2.964
113	0.421	0.458	0.495	8.084	-8.084	2.989	-2.989
114	0.409	0.445	0.482	8.113	-8.113	3.014	-3.014
115	0.398	0.433	0.468	8.141	-8.141	3.039	-3.039
116	0.387	0.421	0.456	8.169	-8.169	3.064	-3.064
117	0.376	0.41	0.443	8.196	-8.196	3.089	-3.089
118	0.366	0.398	0.431	8.224	-8.224	3.114	-3.114
119	0.356	0.388	0.42	8.252	-8.252	3.14	-3.14
120	0.346	0.377	0.408	8.28	-8.28	3.165	-3.165
121	0.336	0.367	0.397	8.307	-8.307	3.19	-3.19
122	0.327	0.357	0.386	8.335	-8.335	3.216	-3.216
123	0.318	0.347	0.376	8.362	-8.362	3.241	-3.241
124	0.309	0.338	0.366	8.39	-8.39	3.266	-3.266
125	0.301	0.329	0.356	8.417	-8.417	3.292	-3.292


电阻温度曲线图
电阻(K欧)
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

