



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 MF58-103 F 3470 (UL: E240991)

日期:

DATE 2017年 07月 20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: _____

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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

型号: MF58-103F3470

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:

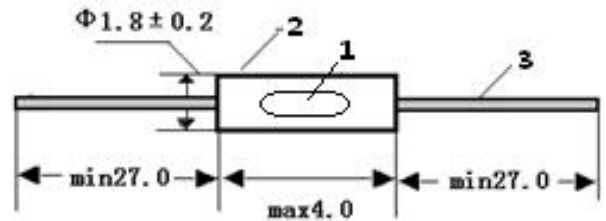
1. 电气性能

	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	10KΩ±1%
1.2	B 值	B _{25/50}	$B = [(T_a \times T_b) / (T_b - T_a)] \times \ln(R_a / R_b)$ T _b =50℃±0.05℃	K	3470±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: 265±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%

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	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 103 F 3470

① ② ③ ④

- ① MF58: 玻壳测温型 NTC 热敏电阻
- ② 103: 25℃的零功率电阻值 10KΩ
- ③ F: 阻值精度代码 F-±1% G-±2% H-±3% J-±5%
- ④ 3470: B_{25/50} 值 3470K

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

- 3.1 本产品的用途: 温度测量与控制;
- 3.2 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;
- 3.3 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;
- 3.4 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;
- 3.5 储存温度: -10℃ ~ 40℃; 储存湿度: ≤75% RH;
- 3.6 避免存放在具有腐蚀性气体及光照的环境下;
- 3.7 包装打开后需重新密封保存;
- 3.8 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;

电话: 025-52121868

传真: 025-52122373

附表 1
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邮箱: sales@shiheng.com.cn

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南京时恒阻温特性表

R25=10K Ω 精度:±1% B25/50=3470K B25/85=3611K 精度:±1%(P232-26)

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	△R	-△R	△T	-△T
-55	561.147	590.410	621.135	5.204	-4.956	0.746	-0.711
-54	515.781	542.215	569.947	5.114	-4.875	0.743	-0.708
-53	477.320	501.390	526.622	5.032	-4.800	0.740	-0.706
-52	444.154	466.213	489.318	4.955	-4.731	0.736	-0.703
-51	415.085	435.402	456.668	4.884	-4.666	0.732	-0.700
-50	389.215	408.001	427.651	4.816	-4.604	0.728	-0.696
-49	365.874	383.294	401.503	4.750	-4.544	0.724	-0.693
-48	344.563	360.750	377.659	4.687	-4.486	0.720	-0.689
-47	324.908	339.970	355.694	4.625	-4.430	0.716	-0.686
-46	306.634	320.661	335.295	4.563	-4.374	0.711	-0.682
-45	289.537	302.606	316.234	4.503	-4.318	0.707	-0.678
-44	273.467	285.646	298.338	4.443	-4.263	0.702	-0.674
-43	258.315	269.664	281.483	4.382	-4.208	0.698	-0.670
-42	243.999	254.573	265.578	4.322	-4.153	0.693	-0.666
-41	230.460	240.308	250.551	4.262	-4.098	0.689	-0.662
-40	217.650	226.820	236.352	4.202	-4.042	0.684	-0.658
-39	205.532	214.067	222.934	4.142	-3.987	0.679	-0.654
-38	194.075	202.018	210.264	4.081	-3.931	0.674	-0.649
-37	183.252	190.640	198.307	4.021	-3.875	0.669	-0.645
-36	173.035	179.908	187.035	3.961	-3.820	0.665	-0.641
-35	163.401	169.793	176.417	3.901	-3.764	0.660	-0.637
-34	154.324	160.268	166.424	3.841	-3.708	0.655	-0.632
-33	145.778	151.306	157.028	3.781	-3.653	0.650	-0.628
-32	137.740	142.881	148.199	3.722	-3.598	0.645	-0.623
-31	130.183	134.965	139.909	3.662	-3.543	0.640	-0.619
-30	123.082	127.531	132.128	3.604	-3.488	0.635	-0.614
-29	116.412	120.552	124.827	3.545	-3.434	0.629	-0.609
-28	110.148	114.002	117.978	3.488	-3.380	0.624	-0.605
-27	104.266	107.854	111.555	3.430	-3.326	0.619	-0.600
-26	98.743	102.085	105.529	3.373	-3.273	0.613	-0.595
-25	93.556	96.670	99.877	3.317	-3.220	0.608	-0.590
-24	88.683	91.585	94.572	3.261	-3.168	0.603	-0.585
-23	84.104	86.810	89.593	3.206	-3.116	0.597	-0.580
-22	79.799	82.323	84.917	3.151	-3.065	0.591	-0.575
-21	75.751	78.105	80.524	3.097	-3.014	0.586	-0.570
-20	71.941	74.138	76.395	3.043	-2.963	0.580	-0.565
-19	68.354	70.405	72.510	2.990	-2.913	0.574	-0.559
-18	64.974	66.889	68.855	2.937	-2.863	0.568	-0.554
-17	61.788	63.577	65.412	2.885	-2.814	0.562	-0.549
-16	58.783	60.455	62.168	2.833	-2.765	0.556	-0.543

-15	55.946	57.509	59.109	2.782	-2.716	0.550	-0.537
-14	53.267	54.728	56.223	2.731	-2.668	0.544	-0.532
-13	50.736	52.101	53.498	2.680	-2.620	0.538	-0.526
-12	48.342	49.618	50.924	2.630	-2.573	0.532	-0.520
-11	46.077	47.271	48.491	2.581	-2.525	0.525	-0.514
-10	43.933	45.050	46.190	2.531	-2.478	0.519	-0.508
-9	41.902	42.947	44.013	2.482	-2.432	0.513	-0.502
-8	39.978	40.955	41.952	2.434	-2.386	0.506	-0.496
-7	38.154	39.068	40.000	2.385	-2.339	0.500	-0.490
-6	36.424	37.279	38.150	2.337	-2.294	0.493	-0.484
-5	34.782	35.582	36.397	2.290	-2.248	0.486	-0.478
-4	33.224	33.973	34.735	2.242	-2.203	0.480	-0.471
-3	31.745	32.445	33.158	2.195	-2.158	0.473	-0.465
-2	30.340	30.995	31.661	2.149	-2.113	0.466	-0.458
-1	29.005	29.618	30.240	2.102	-2.069	0.459	-0.452
0	27.736	28.310	28.892	2.056	-2.024	0.452	-0.445
1	26.530	27.066	27.611	2.010	-1.980	0.445	-0.439
2	25.384	25.885	26.394	1.965	-1.937	0.438	-0.432
3	24.293	24.762	25.237	1.919	-1.893	0.431	-0.425
4	23.256	23.694	24.138	1.875	-1.850	0.424	-0.418
5	22.269	22.678	23.094	1.830	-1.807	0.417	-0.411
6	21.329	21.712	22.100	1.786	-1.764	0.409	-0.404
7	20.435	20.793	21.155	1.742	-1.722	0.402	-0.397
8	19.583	19.918	20.256	1.698	-1.679	0.395	-0.390
9	18.773	19.085	19.401	1.654	-1.637	0.387	-0.383
10	18.019	18.312	18.607	1.612	-1.597	0.379	-0.376
11	17.264	17.537	17.812	1.568	-1.554	0.372	-0.369
12	16.563	16.818	17.074	1.526	-1.513	0.365	-0.361
13	15.895	16.132	16.372	1.484	-1.472	0.357	-0.354
14	15.257	15.479	15.702	1.442	-1.431	0.349	-0.347
15	14.650	14.856	15.065	1.400	-1.391	0.341	-0.339
16	14.070	14.263	14.457	1.359	-1.350	0.334	-0.332
17	13.517	13.696	13.877	1.318	-1.310	0.326	-0.324
18	12.989	13.156	13.324	1.277	-1.271	0.318	-0.316
19	12.485	12.641	12.797	1.237	-1.231	0.310	-0.308
20	12.004	12.149	12.294	1.196	-1.192	0.302	-0.301
21	11.544	11.679	11.814	1.156	-1.153	0.294	-0.293
22	11.105	11.230	11.355	1.117	-1.114	0.285	-0.285
23	10.685	10.801	10.918	1.077	-1.076	0.277	-0.277
24	10.283	10.391	10.499	1.038	-1.038	0.269	-0.269
25	9.900	10.000	10.100	1.000	-1.000	0.261	-0.261
26	9.525	9.625	9.725	1.038	-1.037	0.272	-0.272
27	9.167	9.266	9.366	1.076	-1.075	0.284	-0.284
28	8.824	8.923	9.023	1.115	-1.112	0.296	-0.296
29	8.496	8.595	8.694	1.153	-1.149	0.308	-0.307

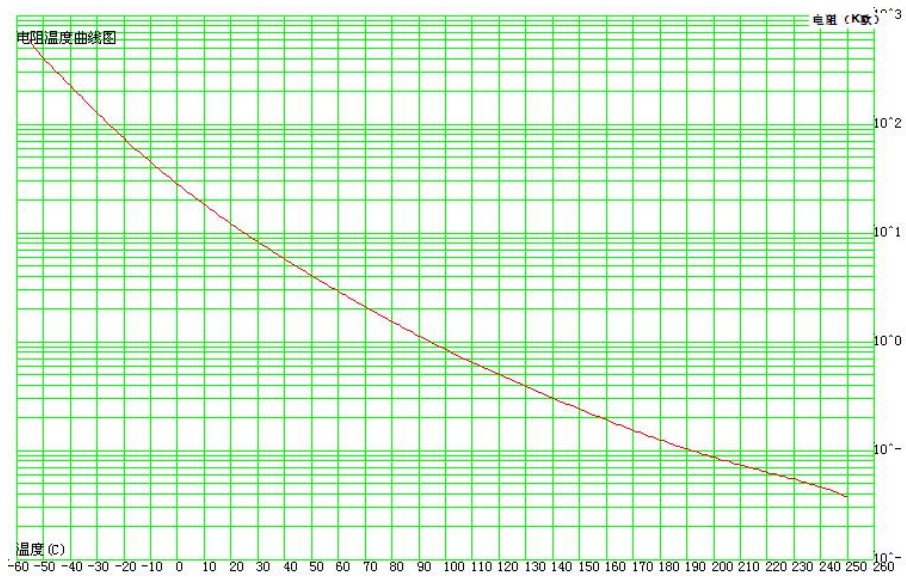
30	8.182	8.280	8.379	1.190	-1.186	0.320	-0.319
31	7.881	7.979	8.077	1.228	-1.223	0.333	-0.331
32	7.593	7.690	7.787	1.265	-1.259	0.345	-0.343
33	7.317	7.413	7.509	1.302	-1.295	0.357	-0.355
34	7.052	7.147	7.243	1.339	-1.331	0.369	-0.367
35	6.798	6.893	6.987	1.376	-1.367	0.382	-0.379
36	6.555	6.648	6.742	1.413	-1.403	0.394	-0.392
37	6.321	6.413	6.506	1.449	-1.438	0.407	-0.404
38	6.097	6.188	6.280	1.485	-1.473	0.420	-0.416
39	5.881	5.972	6.062	1.522	-1.509	0.432	-0.429
40	5.675	5.764	5.853	1.557	-1.543	0.445	-0.441
41	5.476	5.564	5.652	1.593	-1.578	0.458	-0.453
42	5.285	5.371	5.459	1.629	-1.613	0.471	-0.466
43	5.101	5.187	5.273	1.665	-1.647	0.484	-0.479
44	4.925	5.009	5.094	1.700	-1.682	0.497	-0.491
45	4.755	4.838	4.922	1.735	-1.716	0.510	-0.504
46	4.591	4.673	4.756	1.771	-1.750	0.523	-0.517
47	4.434	4.515	4.596	1.806	-1.784	0.536	-0.530
48	4.283	4.362	4.442	1.841	-1.817	0.549	-0.542
49	4.137	4.215	4.294	1.876	-1.851	0.563	-0.555
50	3.997	4.074	4.151	1.911	-1.885	0.576	-0.568
51	3.862	3.937	4.014	1.945	-1.918	0.590	-0.581
52	3.731	3.806	3.881	1.980	-1.951	0.603	-0.594
53	3.606	3.679	3.753	2.014	-1.984	0.617	-0.608
54	3.485	3.557	3.630	2.049	-2.017	0.630	-0.621
55	3.369	3.439	3.511	2.083	-2.050	0.644	-0.634
56	3.257	3.326	3.396	2.117	-2.083	0.658	-0.647
57	3.148	3.216	3.286	2.151	-2.116	0.672	-0.661
58	3.044	3.111	3.179	2.186	-2.149	0.686	-0.674
59	2.944	3.009	3.076	2.220	-2.181	0.700	-0.688
60	2.847	2.911	2.977	2.253	-2.214	0.714	-0.701
61	2.753	2.816	2.881	2.287	-2.246	0.728	-0.715
62	2.663	2.725	2.788	2.321	-2.278	0.742	-0.729
63	2.576	2.637	2.699	2.355	-2.310	0.757	-0.742
64	2.492	2.552	2.613	2.388	-2.342	0.771	-0.756
65	2.411	2.470	2.530	2.422	-2.374	0.785	-0.770
66	2.333	2.391	2.449	2.455	-2.406	0.800	-0.784
67	2.258	2.314	2.372	2.488	-2.438	0.814	-0.798
68	2.185	2.241	2.297	2.521	-2.469	0.829	-0.812
69	2.115	2.169	2.225	2.555	-2.501	0.844	-0.826
70	2.047	2.101	2.155	2.588	-2.532	0.859	-0.840
71	1.982	2.034	2.088	2.620	-2.563	0.874	-0.854
72	1.919	1.970	2.023	2.653	-2.594	0.889	-0.869
73	1.858	1.909	1.960	2.686	-2.625	0.904	-0.883
74	1.800	1.849	1.899	2.719	-2.656	0.919	-0.898

75	1.743	1.791	1.841	2.751	-2.687	0.934	-0.912
76	1.689	1.736	1.784	2.783	-2.718	0.949	-0.927
77	1.636	1.682	1.730	2.816	-2.748	0.964	-0.941
78	1.585	1.630	1.677	2.848	-2.779	0.980	-0.956
79	1.536	1.580	1.626	2.880	-2.809	0.995	-0.971
80	1.489	1.532	1.577	2.912	-2.839	1.011	-0.986
81	1.443	1.486	1.529	2.944	-2.869	1.027	-1.001
82	1.399	1.440	1.483	2.975	-2.899	1.042	-1.016
83	1.356	1.397	1.439	3.007	-2.929	1.058	-1.031
84	1.315	1.355	1.396	3.038	-2.958	1.074	-1.046
85	1.275	1.315	1.355	3.069	-2.988	1.090	-1.061
86	1.237	1.275	1.315	3.101	-3.017	1.106	-1.076
87	1.200	1.238	1.276	3.132	-3.046	1.122	-1.092
88	1.164	1.201	1.239	3.163	-3.075	1.139	-1.107
89	1.129	1.166	1.203	3.193	-3.104	1.155	-1.123
90	1.096	1.132	1.168	3.224	-3.133	1.171	-1.138
91	1.064	1.099	1.134	3.254	-3.162	1.188	-1.154
92	1.033	1.067	1.102	3.285	-3.190	1.204	-1.170
93	1.003	1.036	1.070	3.315	-3.218	1.221	-1.185
94	0.974	1.006	1.040	3.345	-3.246	1.238	-1.201
95	0.946	0.978	1.011	3.375	-3.274	1.255	-1.217
96	0.918	0.950	0.982	3.405	-3.302	1.271	-1.233
97	0.892	0.923	0.955	3.435	-3.330	1.288	-1.249
98	0.867	0.897	0.928	3.464	-3.358	1.305	-1.265
99	0.842	0.872	0.902	3.493	-3.385	1.323	-1.282
100	0.819	0.848	0.877	3.523	-3.412	1.340	-1.298
101	0.796	0.824	0.853	3.552	-3.440	1.357	-1.314
102	0.773	0.801	0.830	3.581	-3.467	1.374	-1.331
103	0.752	0.779	0.807	3.610	-3.493	1.392	-1.347
104	0.731	0.758	0.786	3.638	-3.520	1.409	-1.364
105	0.711	0.737	0.764	3.667	-3.547	1.427	-1.380
106	0.692	0.717	0.744	3.695	-3.573	1.445	-1.397
107	0.673	0.698	0.724	3.723	-3.599	1.463	-1.414
108	0.655	0.679	0.705	3.752	-3.626	1.480	-1.431
109	0.637	0.661	0.686	3.780	-3.652	1.498	-1.448
110	0.620	0.644	0.668	3.807	-3.677	1.516	-1.465
111	0.604	0.627	0.651	3.835	-3.703	1.534	-1.482
112	0.588	0.610	0.634	3.863	-3.729	1.553	-1.499
113	0.572	0.594	0.618	3.890	-3.754	1.571	-1.516
114	0.557	0.579	0.602	3.918	-3.780	1.589	-1.533
115	0.542	0.564	0.586	3.945	-3.805	1.608	-1.551
116	0.528	0.549	0.571	3.972	-3.830	1.626	-1.568
117	0.515	0.535	0.557	3.999	-3.855	1.645	-1.585
118	0.501	0.522	0.543	4.026	-3.880	1.663	-1.603
119	0.488	0.508	0.529	4.053	-3.904	1.682	-1.621

120	0.476	0.495	0.516	4.079	-3.929	1.701	-1.638
121	0.464	0.483	0.503	4.106	-3.954	1.720	-1.656
122	0.452	0.471	0.490	4.132	-3.978	1.739	-1.674
123	0.441	0.459	0.478	4.159	-4.002	1.758	-1.692
124	0.430	0.448	0.466	4.185	-4.027	1.777	-1.710
125	0.419	0.437	0.455	4.211	-4.051	1.796	-1.728
126	0.408	0.426	0.444	4.237	-4.075	1.815	-1.746
127	0.398	0.415	0.433	4.263	-4.098	1.835	-1.764
128	0.388	0.405	0.422	4.289	-4.122	1.854	-1.782
129	0.379	0.395	0.412	4.315	-4.146	1.874	-1.800
130	0.369	0.386	0.402	4.341	-4.170	1.893	-1.819
131	0.360	0.376	0.393	4.366	-4.193	1.913	-1.837
132	0.352	0.367	0.383	4.392	-4.216	1.933	-1.856
133	0.343	0.358	0.374	4.417	-4.240	1.953	-1.874
134	0.335	0.350	0.365	4.442	-4.263	1.972	-1.893
135	0.327	0.341	0.357	4.468	-4.286	1.992	-1.911
136	0.319	0.333	0.348	4.493	-4.309	2.012	-1.930
137	0.311	0.325	0.340	4.518	-4.332	2.033	-1.949
138	0.304	0.317	0.332	4.543	-4.355	2.053	-1.968
139	0.296	0.310	0.324	4.568	-4.378	2.073	-1.987
140	0.289	0.303	0.317	4.593	-4.401	2.093	-2.006
141	0.282	0.296	0.309	4.618	-4.423	2.114	-2.025
142	0.276	0.289	0.302	4.642	-4.446	2.134	-2.044
143	0.269	0.282	0.295	4.667	-4.468	2.155	-2.063
144	0.263	0.275	0.288	4.692	-4.491	2.175	-2.082
145	0.257	0.269	0.282	4.716	-4.513	2.196	-2.102
146	0.251	0.263	0.275	4.741	-4.536	2.217	-2.121
147	0.245	0.257	0.269	4.765	-4.558	2.238	-2.140
148	0.239	0.251	0.263	4.789	-4.580	2.259	-2.160
149	0.234	0.245	0.257	4.813	-4.602	2.280	-2.180
150	0.228	0.240	0.251	4.838	-4.624	2.301	-2.199
151	0.223	0.234	0.245	4.862	-4.646	2.322	-2.219
152	0.218	0.229	0.240	4.886	-4.668	2.343	-2.239
153	0.213	0.224	0.235	4.910	-4.689	2.365	-2.258
154	0.208	0.219	0.229	4.933	-4.711	2.386	-2.278
155	0.204	0.214	0.224	4.957	-4.733	2.407	-2.298
156	0.199	0.209	0.219	4.981	-4.754	2.429	-2.318
157	0.194	0.204	0.214	5.005	-4.775	2.451	-2.338
158	0.190	0.200	0.210	5.028	-4.797	2.472	-2.359
159	0.186	0.195	0.205	5.051	-4.818	2.494	-2.379
160	0.182	0.191	0.201	5.075	-4.839	2.516	-2.399
161	0.178	0.187	0.196	5.098	-4.860	2.538	-2.419
162	0.174	0.183	0.192	5.121	-4.881	2.560	-2.440
163	0.170	0.179	0.188	5.144	-4.902	2.582	-2.460
164	0.166	0.175	0.184	5.167	-4.923	2.604	-2.481

165	0.163	0.171	0.180	5.190	-4.944	2.626	-2.502
166	0.159	0.167	0.176	5.213	-4.964	2.649	-2.522
167	0.156	0.164	0.172	5.236	-4.985	2.671	-2.543
168	0.152	0.160	0.169	5.258	-5.005	2.694	-2.564
169	0.149	0.157	0.165	5.281	-5.025	2.716	-2.585
170	0.146	0.154	0.162	5.303	-5.045	2.739	-2.606
171	0.143	0.150	0.158	5.325	-5.065	2.762	-2.627
172	0.140	0.147	0.155	5.347	-5.085	2.784	-2.648
173	0.137	0.144	0.152	5.369	-5.105	2.807	-2.669
174	0.134	0.141	0.149	5.391	-5.125	2.830	-2.690
175	0.131	0.138	0.146	5.413	-5.144	2.853	-2.712
176	0.129	0.136	0.143	5.434	-5.164	2.876	-2.733
177	0.126	0.133	0.140	5.456	-5.183	2.900	-2.755
178	0.123	0.130	0.137	5.477	-5.202	2.923	-2.776
179	0.121	0.128	0.135	5.498	-5.221	2.946	-2.798
180	0.118	0.125	0.132	5.519	-5.240	2.970	-2.820
181	0.116	0.123	0.129	5.540	-5.259	2.993	-2.841
182	0.114	0.120	0.127	5.561	-5.277	3.017	-2.863
183	0.112	0.118	0.124	5.582	-5.296	3.041	-2.885
184	0.109	0.116	0.122	5.602	-5.314	3.065	-2.907
185	0.107	0.113	0.120	5.622	-5.332	3.088	-2.929
186	0.105	0.111	0.118	5.642	-5.350	3.112	-2.951
187	0.103	0.109	0.115	5.662	-5.368	3.137	-2.974
188	0.101	0.107	0.113	5.682	-5.386	3.161	-2.996
189	0.099	0.105	0.111	5.702	-5.404	3.185	-3.018
190	0.098	0.103	0.109	5.721	-5.421	3.209	-3.041
191	0.096	0.101	0.107	5.741	-5.438	3.234	-3.063
192	0.094	0.099	0.105	5.760	-5.455	3.258	-3.086
193	0.092	0.098	0.103	5.779	-5.472	3.283	-3.109
194	0.091	0.096	0.102	5.798	-5.489	3.307	-3.132
195	0.089	0.094	0.100	5.816	-5.506	3.332	-3.154
196	0.087	0.093	0.098	5.835	-5.522	3.357	-3.177
197	0.086	0.091	0.096	5.853	-5.539	3.382	-3.200
198	0.084	0.089	0.095	5.871	-5.555	3.407	-3.224
199	0.083	0.088	0.093	5.889	-5.571	3.432	-3.247
200	0.082	0.087	0.092	5.907	-5.587	3.457	-3.270
201	0.080	0.085	0.090	5.925	-5.603	3.483	-3.293
202	0.079	0.084	0.089	5.942	-5.618	3.508	-3.317
203	0.078	0.082	0.087	5.959	-5.634	3.534	-3.340
204	0.076	0.081	0.086	5.976	-5.649	3.559	-3.364
205	0.075	0.080	0.084	5.994	-5.664	3.585	-3.388
206	0.074	0.078	0.083	6.010	-5.679	3.610	-3.411
207	0.073	0.077	0.082	6.027	-5.694	3.636	-3.435
208	0.072	0.076	0.081	6.044	-5.709	3.662	-3.459
209	0.070	0.075	0.079	6.060	-5.723	3.688	-3.483

210	0.069	0.074	0.078	6.077	-5.738	3.714	-3.507
211	0.068	0.073	0.077	6.093	-5.752	3.740	-3.531
212	0.067	0.071	0.076	6.109	-5.767	3.766	-3.555
213	0.066	0.070	0.075	6.125	-5.781	3.793	-3.580
214	0.065	0.069	0.074	6.141	-5.795	3.819	-3.604
215	0.064	0.068	0.072	6.157	-5.809	3.846	-3.628
216	0.063	0.067	0.071	6.173	-5.823	3.872	-3.653
217	0.062	0.066	0.070	6.188	-5.837	3.899	-3.677
218	0.061	0.065	0.069	6.204	-5.851	3.925	-3.702
219	0.060	0.064	0.068	6.220	-5.865	3.952	-3.727
220	0.060	0.063	0.067	6.235	-5.879	3.979	-3.751
221	0.059	0.062	0.066	6.251	-5.892	4.006	-3.776
222	0.058	0.061	0.065	6.266	-5.906	4.033	-3.801
223	0.057	0.061	0.064	6.282	-5.920	4.060	-3.826
224	0.056	0.060	0.063	6.298	-5.934	4.087	-3.851
225	0.055	0.059	0.063	6.313	-5.948	4.114	-3.876
226	0.054	0.058	0.062	6.329	-5.962	4.141	-3.901
227	0.054	0.057	0.061	6.345	-5.976	4.169	-3.926
228	0.053	0.056	0.060	6.361	-5.990	4.196	-3.951
229	0.052	0.055	0.059	6.377	-6.004	4.224	-3.977
230	0.051	0.055	0.058	6.393	-6.018	4.251	-4.002
231	0.050	0.054	0.057	6.410	-6.033	4.279	-4.027
232	0.050	0.053	0.056	6.426	-6.048	4.306	-4.052
233	0.049	0.052	0.055	6.443	-6.063	4.334	-4.078
234	0.048	0.051	0.055	6.460	-6.078	4.361	-4.103
235	0.047	0.050	0.054	6.478	-6.093	4.389	-4.129
236	0.046	0.049	0.053	6.495	-6.108	4.417	-4.154
237	0.046	0.049	0.052	6.513	-6.124	4.445	-4.179
238	0.045	0.048	0.051	6.532	-6.140	4.473	-4.205
239	0.044	0.047	0.050	6.550	-6.157	4.500	-4.230
240	0.043	0.046	0.049	6.569	-6.174	4.528	-4.256
241	0.042	0.045	0.048	6.589	-6.191	4.556	-4.281
242	0.042	0.044	0.047	6.609	-6.209	4.584	-4.307
243	0.041	0.044	0.047	6.629	-6.227	4.612	-4.332
244	0.040	0.043	0.046	6.650	-6.245	4.640	-4.357
245	0.039	0.042	0.045	6.672	-6.264	4.668	-4.383
246	0.038	0.041	0.044	6.694	-6.284	4.696	-4.408
247	0.038	0.040	0.043	6.717	-6.304	4.724	-4.433
248	0.037	0.039	0.042	6.741	-6.325	4.752	-4.459
249	0.036	0.038	0.041	6.765	-6.346	4.780	-4.484
250	0.035	0.037	0.040	6.791	-6.368	4.808	-4.509



附表:2

南京时恒电阻误差曲线图

