



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(汽车产品)

产品规格:

PART NUMBER

MF58-103J3435 (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: MF58-103J 3435

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。
对本规格书产生疑义时, 请速与我们联系 (025-52121868), 若无疑义请确认回传, 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:

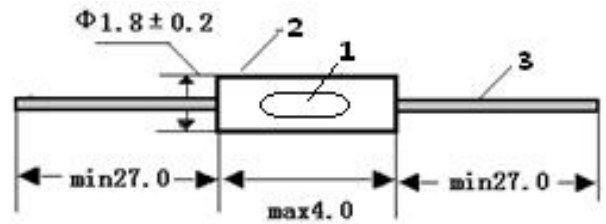
1. 电气性能

	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±5%
1.2	B 值	B _{25/85}	$B = [(T_a \times T_b) / (T_b - T_a)] \times \ln(R_a / R_b)$ T _b =85℃±0.05℃	K	3435±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	/	/	℃	-45 ~ 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±1N, 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	-45℃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: -45℃±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 J 3435

- 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 J: 阻值精度代码 F-±1% G-±2% H-±3% J-±5%
 - ④ 3435: B_{25/85} 值 3435K

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 ROH S
- 6.4 产品 CQC 认证 (CQC09001033986)
- 6.5 江苏省高新技术产品认证 (150115G0377N)
- 6.6 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。

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附表:1

南京时恒阻温特性表

R25=10K Ω 精度: $\pm 5\%$ B25/50=3380K B25/85=3435K 精度: $\pm 1\%$ (P301-1F)

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	$-\Delta T$
-45	274.149	298.548	324.305	8.627	-8.172	1.360	-1.288
-44	249.082	270.986	294.081	8.522	-8.083	1.369	-1.299
-43	228.199	248.047	268.949	8.426	-8.002	1.377	-1.308
-42	210.534	228.660	247.726	8.338	-7.927	1.383	-1.315
-41	195.375	212.036	229.543	8.256	-7.857	1.389	-1.322
-40	182.192	197.590	213.752	8.179	-7.792	1.393	-1.327
-39	170.584	184.878	199.868	8.108	-7.731	1.397	-1.332
-38	160.246	173.564	187.518	8.039	-7.672	1.399	-1.335
-37	150.944	163.389	176.419	7.974	-7.617	1.401	-1.338
-36	142.495	154.154	166.351	7.911	-7.563	1.403	-1.341
-35	134.759	145.703	157.142	7.850	-7.511	1.404	-1.343
-34	127.625	137.914	148.660	7.791	-7.460	1.405	-1.345
-33	121.006	130.691	140.799	7.733	-7.410	1.405	-1.346
-32	114.834	123.959	133.475	7.676	-7.361	1.405	-1.348
-31	109.053	117.657	126.624	7.620	-7.313	1.405	-1.349
-30	103.620	111.738	120.192	7.565	-7.265	1.405	-1.350
-29	98.500	106.163	114.136	7.510	-7.217	1.405	-1.351
-28	93.665	100.900	108.423	7.455	-7.170	1.405	-1.351
-27	89.091	95.924	103.024	7.401	-7.123	1.405	-1.352
-26	84.758	91.213	97.915	7.346	-7.077	1.405	-1.353
-25	80.651	86.750	93.076	7.293	-7.030	1.404	-1.354
-24	76.754	82.517	88.491	7.239	-6.983	1.404	-1.355
-23	73.057	78.503	84.145	7.186	-6.937	1.404	-1.355
-22	69.548	74.696	80.024	7.132	-6.891	1.404	-1.356
-21	66.218	71.083	76.116	7.079	-6.845	1.404	-1.357
-20	63.057	67.657	72.411	7.026	-6.799	1.404	-1.358
-19	60.057	64.406	68.898	6.974	-6.753	1.404	-1.359
-18	57.210	61.324	65.568	6.921	-6.707	1.404	-1.360
-17	54.510	58.401	62.412	6.869	-6.661	1.404	-1.362
-16	51.949	55.629	59.422	6.817	-6.616	1.404	-1.363
-15	49.520	53.003	56.589	6.765	-6.571	1.405	-1.364
-14	47.216	50.513	53.905	6.714	-6.526	1.405	-1.365
-13	45.033	48.154	51.362	6.663	-6.481	1.405	-1.367
-12	42.962	45.918	48.955	6.612	-6.437	1.405	-1.368
-11	41.000	43.800	46.675	6.562	-6.392	1.406	-1.369
-10	39.140	41.794	44.515	6.512	-6.348	1.406	-1.371
-9	37.377	39.892	42.470	6.462	-6.305	1.407	-1.372
-8	35.705	38.091	40.534	6.413	-6.262	1.407	-1.374
-7	34.120	36.383	38.699	6.364	-6.219	1.407	-1.375

-6	32.618	34.765	36.961	6.316	-6.176	1.408	-1.376
-5	31.193	33.231	35.314	6.268	-6.134	1.408	-1.378
-4	29.841	31.777	33.754	6.221	-6.092	1.408	-1.379
-3	28.558	30.398	32.274	6.173	-6.050	1.408	-1.380
-2	27.341	29.089	30.872	6.127	-6.009	1.409	-1.381
-1	26.185	27.847	29.541	6.080	-5.968	1.409	-1.382
0	25.245	26.838	28.459	6.041	-5.933	1.401	-1.376
1	24.045	25.549	27.080	5.989	-5.886	1.409	-1.384
2	23.054	24.486	25.942	5.944	-5.846	1.408	-1.385
3	22.112	23.475	24.860	5.899	-5.807	1.408	-1.386
4	21.216	22.514	23.833	5.855	-5.767	1.408	-1.387
5	20.363	21.600	22.856	5.811	-5.728	1.408	-1.387
6	19.551	20.730	21.926	5.768	-5.690	1.407	-1.388
7	18.777	19.902	21.041	5.725	-5.651	1.406	-1.388
8	18.040	19.113	20.199	5.682	-5.613	1.406	-1.389
9	17.337	18.361	19.396	5.639	-5.575	1.405	-1.389
10	16.766	17.750	18.744	5.604	-5.543	1.391	-1.376
11	16.027	16.960	17.902	5.556	-5.500	1.403	-1.389
12	15.416	16.307	17.206	5.514	-5.463	1.402	-1.389
13	14.832	15.683	16.542	5.473	-5.426	1.400	-1.388
14	14.274	15.088	15.907	5.432	-5.389	1.399	-1.388
15	13.741	14.518	15.301	5.392	-5.353	1.397	-1.387
16	13.231	13.974	14.722	5.351	-5.317	1.395	-1.386
17	12.742	13.453	14.168	5.311	-5.281	1.394	-1.386
18	12.275	12.954	13.637	5.272	-5.245	1.392	-1.385
19	11.827	12.477	13.130	5.232	-5.210	1.389	-1.383
20	11.397	12.019	12.644	5.193	-5.174	1.387	-1.382
21	10.986	11.581	12.178	5.154	-5.139	1.385	-1.381
22	10.591	11.161	11.732	5.115	-5.104	1.382	-1.379
23	10.212	10.758	11.304	5.076	-5.069	1.380	-1.378
24	9.849	10.371	10.893	5.038	-5.034	1.377	-1.376
25	9.500	10.000	10.500	5.000	-5.000	1.376	-1.376
26	9.158	9.643	10.129	5.038	-5.034	1.392	-1.391
27	8.829	9.301	9.773	5.076	-5.068	1.410	-1.408
28	8.514	8.972	9.430	5.113	-5.102	1.428	-1.425
29	8.211	8.655	9.101	5.151	-5.137	1.446	-1.442
30	7.920	8.351	8.785	5.189	-5.170	1.464	-1.459
31	7.640	8.059	8.480	5.226	-5.204	1.483	-1.476
32	7.371	7.778	8.188	5.264	-5.238	1.501	-1.493
33	7.112	7.508	7.906	5.301	-5.271	1.519	-1.511
34	6.863	7.247	7.634	5.338	-5.305	1.537	-1.528
35	6.623	6.997	7.373	5.375	-5.338	1.555	-1.545
36	6.393	6.756	7.121	5.412	-5.371	1.574	-1.562
37	6.171	6.523	6.879	5.449	-5.404	1.592	-1.579
38	5.957	6.300	6.645	5.486	-5.437	1.611	-1.596

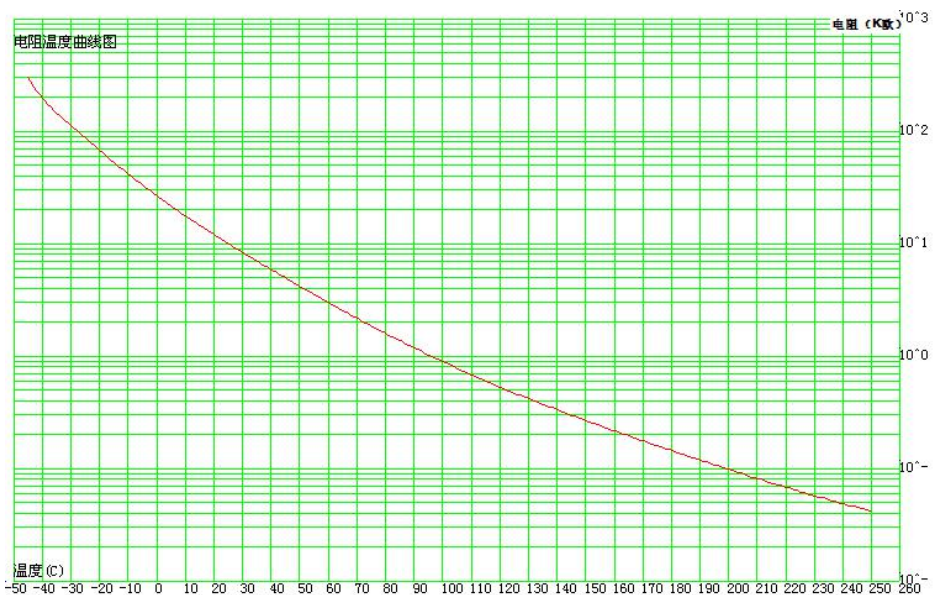
39	5.752	6.084	6.421	5.522	-5.470	1.629	-1.614
40	5.554	5.877	6.204	5.559	-5.503	1.648	-1.631
41	5.363	5.677	5.995	5.596	-5.536	1.666	-1.648
42	5.179	5.485	5.794	5.632	-5.568	1.685	-1.666
43	5.002	5.299	5.599	5.668	-5.601	1.703	-1.683
44	4.832	5.120	5.412	5.705	-5.633	1.722	-1.701
45	4.667	4.948	5.232	5.741	-5.666	1.741	-1.718
46	4.509	4.782	5.058	5.777	-5.698	1.760	-1.736
47	4.357	4.621	4.890	5.813	-5.730	1.779	-1.754
48	4.210	4.467	4.728	5.849	-5.762	1.798	-1.771
49	4.068	4.318	4.572	5.885	-5.794	1.817	-1.789
50	3.931	4.175	4.422	5.921	-5.826	1.836	-1.807
51	3.800	4.036	4.277	5.956	-5.857	1.856	-1.825
52	3.673	3.903	4.136	5.992	-5.889	1.875	-1.843
53	3.550	3.774	4.001	6.028	-5.921	1.894	-1.861
54	3.432	3.650	3.871	6.063	-5.952	1.914	-1.879
55	3.319	3.530	3.745	6.098	-5.983	1.934	-1.897
56	3.209	3.414	3.624	6.134	-6.015	1.953	-1.916
57	3.103	3.303	3.507	6.169	-6.046	1.973	-1.934
58	3.001	3.196	3.394	6.204	-6.077	1.993	-1.952
59	2.903	3.092	3.285	6.239	-6.108	2.013	-1.971
60	2.808	2.992	3.180	6.274	-6.139	2.033	-1.990
61	2.717	2.896	3.078	6.309	-6.170	2.054	-2.008
62	2.629	2.802	2.980	6.344	-6.200	2.074	-2.027
63	2.544	2.713	2.886	6.378	-6.231	2.095	-2.046
64	2.462	2.626	2.795	6.413	-6.261	2.115	-2.065
65	2.383	2.543	2.707	6.447	-6.291	2.136	-2.084
66	2.306	2.462	2.622	6.481	-6.322	2.157	-2.103
67	2.233	2.384	2.540	6.516	-6.352	2.178	-2.123
68	2.162	2.309	2.460	6.550	-6.382	2.199	-2.142
69	2.093	2.237	2.384	6.584	-6.411	2.220	-2.162
70	2.027	2.167	2.310	6.617	-6.441	2.241	-2.181
71	1.963	2.099	2.239	6.651	-6.471	2.262	-2.201
72	1.902	2.034	2.170	6.685	-6.500	2.284	-2.221
73	1.843	1.971	2.104	6.718	-6.529	2.306	-2.241
74	1.785	1.911	2.040	6.751	-6.559	2.327	-2.261
75	1.730	1.852	1.978	6.785	-6.588	2.349	-2.281
76	1.677	1.796	1.918	6.818	-6.617	2.371	-2.301
77	1.626	1.741	1.861	6.851	-6.645	2.394	-2.322
78	1.576	1.689	1.805	6.884	-6.674	2.416	-2.342
79	1.528	1.638	1.751	6.916	-6.703	2.438	-2.363
80	1.482	1.589	1.699	6.949	-6.731	2.461	-2.384
81	1.437	1.541	1.649	6.981	-6.759	2.483	-2.404
82	1.394	1.495	1.600	7.013	-6.787	2.506	-2.425
83	1.352	1.451	1.554	7.045	-6.815	2.529	-2.446

84	1.312	1.409	1.508	7.077	-6.843	2.552	-2.468
85	1.289	1.385	1.483	7.096	-6.859	2.587	-2.500
86	1.236	1.327	1.422	7.141	-6.898	2.599	-2.510
87	1.200	1.289	1.381	7.172	-6.926	2.622	-2.532
88	1.165	1.252	1.342	7.204	-6.953	2.646	-2.554
89	1.131	1.216	1.304	7.235	-6.980	2.669	-2.575
90	1.098	1.181	1.267	7.266	-7.007	2.693	-2.597
91	1.067	1.148	1.231	7.297	-7.034	2.717	-2.619
92	1.036	1.115	1.197	7.328	-7.060	2.741	-2.641
93	1.007	1.084	1.163	7.358	-7.087	2.766	-2.663
94	0.978	1.053	1.131	7.389	-7.113	2.790	-2.686
95	0.951	1.024	1.100	7.419	-7.139	2.814	-2.708
96	0.924	0.996	1.070	7.449	-7.166	2.839	-2.731
97	0.899	0.968	1.041	7.479	-7.191	2.864	-2.753
98	0.874	0.942	1.012	7.509	-7.217	2.889	-2.776
99	0.850	0.916	0.985	7.539	-7.243	2.914	-2.799
100	0.840	0.906	0.974	7.551	-7.254	2.952	-2.835
101	0.804	0.867	0.933	7.598	-7.294	2.964	-2.845
102	0.782	0.844	0.908	7.627	-7.319	2.989	-2.869
103	0.761	0.821	0.884	7.656	-7.344	3.015	-2.892
104	0.741	0.800	0.861	7.685	-7.369	3.041	-2.915
105	0.721	0.778	0.839	7.714	-7.394	3.066	-2.939
106	0.702	0.758	0.817	7.743	-7.418	3.092	-2.963
107	0.683	0.738	0.796	7.771	-7.443	3.118	-2.986
108	0.665	0.719	0.775	7.799	-7.467	3.144	-3.010
109	0.648	0.701	0.755	7.828	-7.491	3.171	-3.034
110	0.631	0.683	0.736	7.856	-7.515	3.197	-3.058
111	0.615	0.665	0.718	7.884	-7.539	3.223	-3.083
112	0.599	0.648	0.699	7.911	-7.563	3.250	-3.107
113	0.584	0.632	0.682	7.939	-7.587	3.277	-3.131
114	0.569	0.616	0.665	7.966	-7.610	3.304	-3.156
115	0.555	0.600	0.649	7.994	-7.633	3.331	-3.181
116	0.541	0.586	0.633	8.021	-7.657	3.358	-3.205
117	0.527	0.571	0.617	8.048	-7.680	3.385	-3.230
118	0.514	0.557	0.602	8.075	-7.703	3.412	-3.255
119	0.501	0.543	0.587	8.102	-7.726	3.440	-3.280
120	0.489	0.530	0.573	8.128	-7.748	3.467	-3.305
121	0.477	0.517	0.559	8.155	-7.771	3.495	-3.331
122	0.465	0.505	0.546	8.181	-7.794	3.523	-3.356
123	0.454	0.493	0.533	8.207	-7.816	3.551	-3.381
124	0.443	0.481	0.521	8.234	-7.838	3.579	-3.407
125	0.433	0.470	0.508	8.260	-7.860	3.607	-3.433
126	0.422	0.458	0.496	8.285	-7.882	3.635	-3.458
127	0.412	0.448	0.485	8.311	-7.904	3.664	-3.484
128	0.402	0.437	0.474	8.337	-7.926	3.692	-3.510

129	0.393	0.427	0.463	8.362	-7.948	3.721	-3.536
130	0.384	0.417	0.452	8.388	-7.969	3.749	-3.562
131	0.375	0.407	0.442	8.413	-7.991	3.778	-3.589
132	0.366	0.398	0.432	8.438	-8.012	3.807	-3.615
133	0.358	0.389	0.422	8.463	-8.033	3.836	-3.641
134	0.349	0.380	0.412	8.488	-8.054	3.865	-3.668
135	0.341	0.372	0.403	8.513	-8.075	3.894	-3.694
136	0.334	0.363	0.394	8.538	-8.096	3.924	-3.721
137	0.326	0.355	0.385	8.562	-8.117	3.953	-3.748
138	0.319	0.347	0.377	8.587	-8.138	3.983	-3.775
139	0.312	0.339	0.369	8.611	-8.159	4.012	-3.801
140	0.305	0.332	0.361	8.636	-8.179	4.042	-3.828
141	0.298	0.324	0.353	8.660	-8.200	4.072	-3.856
142	0.291	0.317	0.345	8.684	-8.220	4.102	-3.883
143	0.285	0.310	0.337	8.708	-8.240	4.132	-3.910
144	0.279	0.304	0.330	8.732	-8.260	4.162	-3.937
145	0.272	0.297	0.323	8.756	-8.281	4.192	-3.965
146	0.266	0.291	0.316	8.779	-8.301	4.223	-3.992
147	0.261	0.284	0.309	8.803	-8.320	4.253	-4.020
148	0.255	0.278	0.303	8.827	-8.340	4.283	-4.047
149	0.249	0.272	0.296	8.850	-8.360	4.314	-4.075
150	0.244	0.267	0.290	8.874	-8.380	4.345	-4.103
151	0.239	0.261	0.284	8.897	-8.399	4.375	-4.131
152	0.234	0.255	0.278	8.920	-8.419	4.406	-4.159
153	0.229	0.250	0.272	8.943	-8.438	4.437	-4.187
154	0.224	0.245	0.267	8.966	-8.458	4.468	-4.215
155	0.219	0.240	0.261	8.989	-8.477	4.499	-4.243
156	0.215	0.235	0.256	9.012	-8.496	4.531	-4.271
157	0.210	0.230	0.250	9.035	-8.516	4.562	-4.300
158	0.206	0.225	0.245	9.058	-8.535	4.593	-4.328
159	0.201	0.220	0.240	9.081	-8.554	4.625	-4.357
160	0.197	0.216	0.235	9.103	-8.573	4.657	-4.385
161	0.193	0.211	0.231	9.126	-8.592	4.688	-4.414
162	0.189	0.207	0.226	9.149	-8.611	4.720	-4.442
163	0.185	0.203	0.221	9.171	-8.630	4.752	-4.471
164	0.181	0.199	0.217	9.193	-8.648	4.784	-4.500
165	0.178	0.195	0.213	9.216	-8.667	4.816	-4.529
166	0.174	0.191	0.208	9.238	-8.686	4.848	-4.558
167	0.170	0.187	0.204	9.260	-8.704	4.880	-4.587
168	0.167	0.183	0.200	9.282	-8.723	4.912	-4.616
169	0.164	0.179	0.196	9.305	-8.741	4.945	-4.645
170	0.160	0.176	0.192	9.327	-8.760	4.977	-4.674
171	0.157	0.172	0.188	9.349	-8.778	5.010	-4.704
172	0.154	0.169	0.185	9.371	-8.796	5.042	-4.733
173	0.151	0.165	0.181	9.392	-8.815	5.075	-4.763

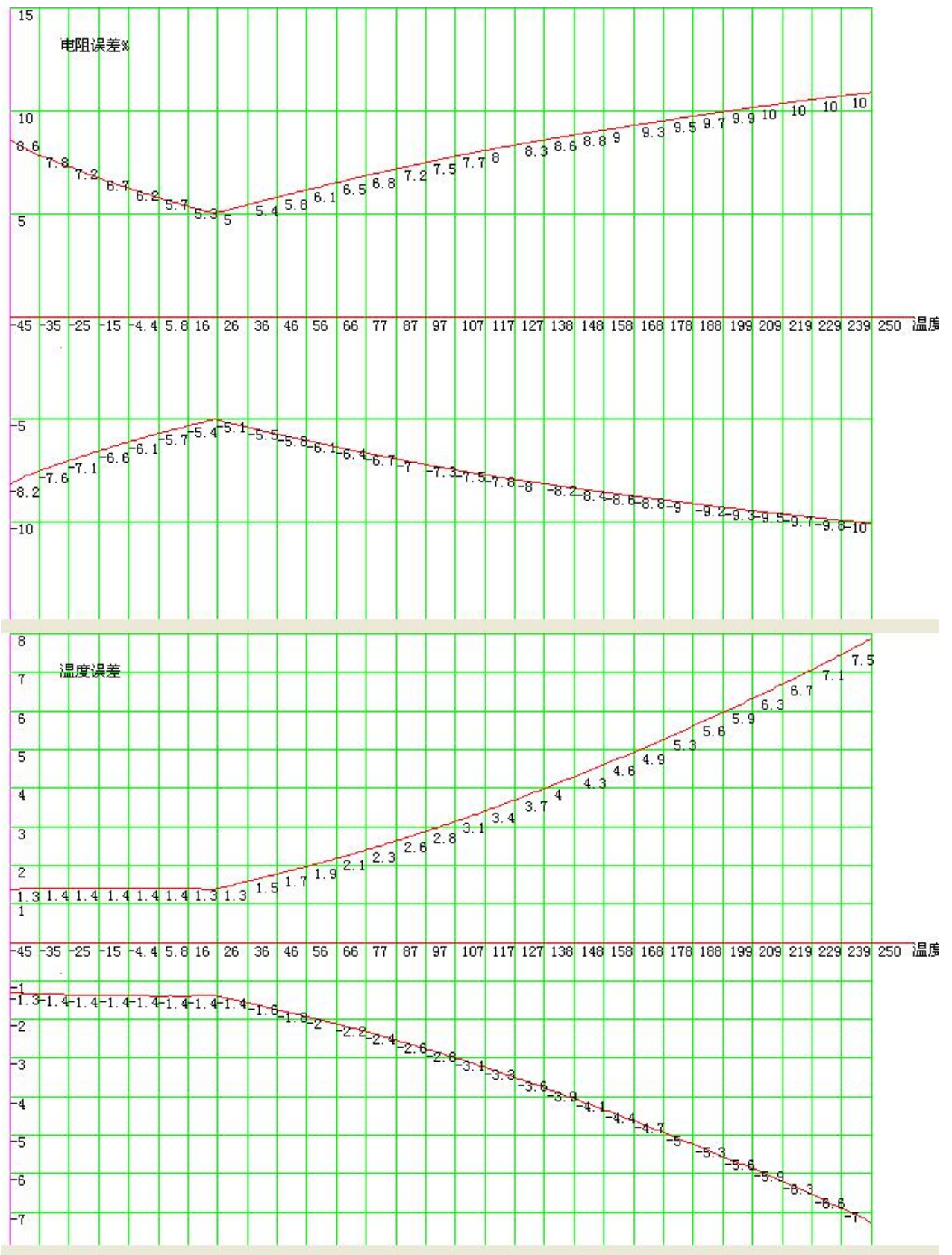
174	0.148	0.162	0.177	9.414	-8.833	5.108	-4.792
175	0.145	0.159	0.174	9.436	-8.851	5.141	-4.822
176	0.142	0.156	0.171	9.458	-8.869	5.173	-4.851
177	0.139	0.153	0.167	9.480	-8.887	5.207	-4.881
178	0.136	0.150	0.164	9.501	-8.905	5.240	-4.911
179	0.134	0.147	0.161	9.523	-8.923	5.273	-4.941
180	0.131	0.144	0.158	9.544	-8.941	5.306	-4.971
181	0.128	0.141	0.155	9.566	-8.959	5.339	-5.001
182	0.126	0.138	0.152	9.587	-8.977	5.373	-5.031
183	0.123	0.136	0.149	9.609	-8.994	5.406	-5.061
184	0.121	0.133	0.146	9.630	-9.012	5.440	-5.091
185	0.119	0.131	0.143	9.651	-9.030	5.474	-5.121
186	0.116	0.128	0.140	9.672	-9.047	5.507	-5.151
187	0.114	0.126	0.138	9.694	-9.065	5.541	-5.182
188	0.112	0.123	0.135	9.715	-9.082	5.575	-5.212
189	0.110	0.121	0.133	9.736	-9.100	5.609	-5.243
190	0.108	0.118	0.130	9.757	-9.117	5.643	-5.273
191	0.106	0.116	0.128	9.778	-9.135	5.678	-5.304
192	0.104	0.114	0.125	9.799	-9.152	5.712	-5.335
193	0.102	0.112	0.123	9.820	-9.169	5.746	-5.366
194	0.100	0.110	0.121	9.841	-9.187	5.781	-5.396
195	0.098	0.108	0.118	9.861	-9.204	5.815	-5.427
196	0.096	0.106	0.116	9.882	-9.221	5.850	-5.458
197	0.094	0.104	0.114	9.903	-9.238	5.885	-5.490
198	0.092	0.102	0.112	9.923	-9.255	5.919	-5.521
199	0.091	0.100	0.110	9.944	-9.272	5.954	-5.552
200	0.089	0.098	0.108	9.965	-9.289	5.989	-5.583
201	0.087	0.096	0.106	9.985	-9.306	6.024	-5.615
202	0.086	0.094	0.104	10.000	-9.323	6.060	-5.646
203	0.084	0.093	0.102	10.020	-9.339	6.095	-5.678
204	0.082	0.091	0.100	10.040	-9.356	6.130	-5.709
205	0.081	0.089	0.098	10.060	-9.373	6.166	-5.741
206	0.079	0.088	0.097	10.080	-9.390	6.201	-5.773
207	0.078	0.086	0.095	10.100	-9.406	6.237	-5.804
208	0.076	0.084	0.093	10.120	-9.423	6.273	-5.836
209	0.075	0.083	0.091	10.140	-9.439	6.308	-5.868
210	0.074	0.081	0.090	10.160	-9.456	6.344	-5.900
211	0.072	0.080	0.088	10.180	-9.472	6.380	-5.932
212	0.071	0.079	0.087	10.200	-9.488	6.416	-5.965
213	0.070	0.077	0.085	10.220	-9.504	6.453	-5.997
214	0.069	0.076	0.084	10.240	-9.521	6.489	-6.029
215	0.067	0.074	0.082	10.260	-9.537	6.525	-6.062
216	0.066	0.073	0.081	10.280	-9.553	6.562	-6.094
217	0.065	0.072	0.079	10.300	-9.569	6.598	-6.127
218	0.064	0.071	0.078	10.320	-9.585	6.635	-6.160

219	0.063	0.069	0.077	10.340	-9.601	6.672	-6.193
220	0.062	0.068	0.075	10.360	-9.616	6.709	-6.226
221	0.060	0.067	0.074	10.380	-9.632	6.746	-6.259
222	0.059	0.066	0.073	10.400	-9.648	6.783	-6.292
223	0.058	0.065	0.071	10.420	-9.663	6.820	-6.325
224	0.057	0.064	0.070	10.430	-9.679	6.858	-6.358
225	0.056	0.062	0.069	10.450	-9.694	6.895	-6.392
226	0.055	0.061	0.068	10.470	-9.710	6.933	-6.425
227	0.054	0.060	0.067	10.490	-9.725	6.971	-6.459
228	0.053	0.059	0.066	10.510	-9.740	7.008	-6.492
229	0.053	0.058	0.065	10.530	-9.755	7.046	-6.526
230	0.052	0.057	0.063	10.550	-9.770	7.084	-6.560
231	0.051	0.056	0.062	10.570	-9.785	7.122	-6.594
232	0.050	0.055	0.061	10.580	-9.800	7.161	-6.628
233	0.049	0.055	0.060	10.600	-9.815	7.199	-6.662
234	0.048	0.054	0.059	10.620	-9.830	7.238	-6.696
235	0.048	0.053	0.058	10.640	-9.845	7.276	-6.731
236	0.047	0.052	0.058	10.660	-9.859	7.315	-6.765
237	0.046	0.051	0.057	10.670	-9.874	7.354	-6.800
238	0.045	0.050	0.056	10.690	-9.888	7.393	-6.835
239	0.045	0.049	0.055	10.710	-9.902	7.432	-6.870
240	0.044	0.049	0.054	10.730	-9.916	7.472	-6.905
241	0.043	0.048	0.053	10.740	-9.930	7.511	-6.940
242	0.042	0.047	0.052	10.760	-9.944	7.550	-6.975
243	0.042	0.046	0.052	10.780	-9.958	7.590	-7.010
244	0.041	0.046	0.051	10.790	-9.972	7.630	-7.046
245	0.041	0.045	0.050	10.810	-9.986	7.670	-7.081
246	0.040	0.044	0.049	10.830	-9.999	7.710	-7.117
247	0.039	0.044	0.049	10.840	-10.010	7.750	-7.153
248	0.039	0.043	0.048	10.860	-10.020	7.791	-7.189
249	0.038	0.042	0.047	10.880	-10.030	7.831	-7.225
250	0.038	0.042	0.046	10.890	-10.050	7.872	-7.261



附表:2

南京时恒电阻误差曲线图



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