



深圳市精萃电子有限公司
SHENZHEN ZEITGEIST ELECTRONICS CO., LTD

编号: 124-JC02-1031
页数: 1 / 11

产 品 规 格 书

(第 1 次送样)

客 户:

名 称: NTC 热敏电阻

型 号: MF58 100K \pm 1% B=3950

拟制	邓骅翊	审查	邓骅翊	批准	黄艳萍
日期	2013-10-31	日期	2013-10-31	日期	2013-10-31

_____ 公司 _____ 确认收到此规格书
(收到该规格书后请在上一行相应处签字回传 0755-83655503, 多谢!)

客 户 承 认 书

兹同意此规格书作为我公司 MF58 100K \pm 1% B=3950 型号系列的验收标准。

工程 _____ 品质 _____ 采购 _____

公司地址: 福田区深南中路 3027 号嘉汇新城汇商中心 2918 室
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热敏电阻规格书 MF58系列

本规格书提供了深圳精萃电子有限公司生产的MF58系列NTC热敏电阻产品性能、试验条件、使用要求、结构尺寸描述，敬请贵公司确认。
对本规格书产生疑义时，请迅速与我们联系(+86-755-83654115)，如无疑问请确认回传，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
	审核
	日期

1、电气特性

项目	代号	测试条件	性能要求	单位
1.1 标称阻值	R25°C	+25±0.05°C	100±1%	kΩ
1.2 材料常数	B25/50	+25±0.05°C、+50±0.05°C	3950±1%	K
1.3 时间常数	τ	静止空气中	≤10	sec
1.4 耗散系数	δ	静止空气中	Approx. 2.4	mW/°C
1.5 最大额定功率	Pmax	环境温度+25°C	80	mW

2、可靠性

2.1 引出端强度

拉力试验:固定电阻端,引线末端逐渐施加5N拉力保持10±1sec,无可见损伤。

弯曲试验:固定电阻端,引线末端悬挂施加2.5N弯曲力,将引线弯曲约90°,然后恢复到初始位置,2次,无可见损伤。

2.2 可焊性

260±5°C 2±0.5sec 焊料在引线浸入部分表面涂布均匀、光滑, ΔR25/R25 ≤ ±1%

2.3 耐焊接热

260±5°C 5±1sec 浸入深度距电阻体6mm
ΔR25/R25 ≤ ±2%

2.4 高温储存(空气中)

200±5°C 1000h
ΔR25/R25 ≤ ±3%

2.5 低温储存(空气中)

-40±3°C 1000h
ΔR25/R25 ≤ ±3%

2.6 稳态湿热

40±2°C 92%RH~98%RH 240h
ΔR25/R25 ≤ ±3%

2.7 温度快速变化

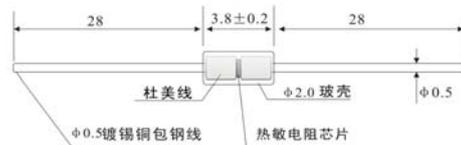
-40±3°C × 30min $\xrightarrow[3\pm 2\text{min}]{\text{室温}}$ 200±5°C × 30min 5次
ΔR25/R25 ≤ ±3%

3、使用注意事项

- 1 本产品的用途:温度测量与控制;
- 2 使用温度范围:-40°C~+200°C;
- 3 将产品引线裁减成所需要的长度时,最小长度≥6mm;
- 4 本产品为玻壳高温烧结封装,引线弯曲点应距玻壳端面2mm以上,以免损伤玻壳;
- 5 避免流过负温度系数热敏芯片的电流引起元件自身发热而产生测量误差。
- 6 避免焊接时助焊剂残留。

4、阻温特性表(后附)

5、外形尺寸(单位:mm)



文件编号	版本/更改	日期	编制	审核
SJ07.131028-1N	A	2013.10.31		柴磊



SJ06.B.104-3930-A-2012.07

R-T TABLE				P/N: Z8401203-5			
R(25℃)=100kohm±1%				B(25/50)=3950K±1%			
Temp.	Resistance(kΩ)			resistance tol. (%)		Temp.tol. (℃)	
℃	Rmin	R(t)Normal	Rmax	MIN	MAX	MIN	MAX
-30	1568.7	1629.4	1692.3	-3.7%	3.9%	-0.6	0.6
-29	1480.7	1537.1	1595.4	-3.7%	3.8%	-0.6	0.6
-28	1398.0	1450.4	1504.6	-3.6%	3.7%	-0.6	0.6
-27	1320.4	1369.1	1419.4	-3.6%	3.7%	-0.6	0.6
-26	1247.4	1292.7	1339.5	-3.5%	3.6%	-0.6	0.6
-25	1178.9	1221.0	1264.4	-3.4%	3.6%	-0.6	0.6
-24	1114.4	1153.5	1193.9	-3.4%	3.5%	-0.6	0.6
-23	1053.8	1090.2	1127.7	-3.3%	3.4%	-0.6	0.6
-22	996.8	1030.6	1065.5	-3.3%	3.4%	-0.6	0.6
-21	943.1	974.6	1007.0	-3.2%	3.3%	-0.6	0.6
-20	892.6	921.9	952.0	-3.2%	3.3%	-0.5	0.6
-19	845.1	872.3	900.3	-3.1%	3.2%	-0.5	0.6
-18	800.3	825.6	851.7	-3.1%	3.2%	-0.5	0.5
-17	758.1	781.7	805.9	-3.0%	3.1%	-0.5	0.5
-16	718.3	740.3	762.8	-3.0%	3.0%	-0.5	0.5
-15	680.9	701.3	722.2	-2.9%	3.0%	-0.5	0.5
-14	645.5	664.5	684.0	-2.9%	2.9%	-0.5	0.5
-13	612.1	629.8	647.9	-2.8%	2.9%	-0.5	0.5
-12	580.7	597.1	614.0	-2.8%	2.8%	-0.5	0.5
-11	551.0	566.3	581.9	-2.7%	2.8%	-0.5	0.5
-10	522.9	537.2	551.7	-2.7%	2.7%	-0.5	0.5
-9	496.4	509.6	523.2	-2.6%	2.7%	-0.5	0.5
-8	471.3	483.6	496.2	-2.5%	2.6%	-0.5	0.5
-7	447.6	459.1	470.8	-2.5%	2.6%	-0.5	0.5
-6	425.2	435.9	446.8	-2.4%	2.5%	-0.5	0.5
-5	404.1	414.0	424.1	-2.4%	2.4%	-0.5	0.5
-4	384.1	393.3	402.7	-2.3%	2.4%	-0.4	0.5
-3	365.2	373.8	382.5	-2.3%	2.3%	-0.4	0.5
-2	347.3	355.3	363.4	-2.2%	2.3%	-0.4	0.4
-1	330.4	337.8	345.4	-2.2%	2.2%	-0.4	0.4
0	314.4	321.3	328.3	-2.1%	2.2%	-0.4	0.4
1	299.3	305.7	312.2	-2.1%	2.1%	-0.4	0.4
2	285.0	291.0	297.0	-2.1%	2.1%	-0.4	0.4



SJ06.B.104-3930-A-2012.07

R-T				TABLE			
R(25℃)=100kohm±1%				B(25/50)=3950K±1%			
Temp.	Resistance(kΩ)			resistance tol. (%)		Temp.tol. (℃)	
℃	Rmin	R(t)Normal	Rmax	MIN	MAX	MIN	MAX
3	271.4	277.0	282.6	-2.0%	2.0%	-0.4	0.4
4	258.6	263.8	269.0	-2.0%	2.0%	-0.4	0.4
5	246.4	251.2	256.1	-1.9%	1.9%	-0.4	0.4
6	234.9	239.3	243.9	-1.9%	1.9%	-0.4	0.4
7	223.9	228.1	232.3	-1.8%	1.8%	-0.4	0.4
8	213.6	217.4	221.3	-1.8%	1.8%	-0.4	0.4
9	203.7	207.3	210.9	-1.7%	1.7%	-0.4	0.4
10	194.4	197.7	201.0	-1.7%	1.7%	-0.3	0.4
11	185.5	188.6	191.7	-1.6%	1.6%	-0.3	0.3
12	177.1	179.9	182.8	-1.6%	1.6%	-0.3	0.3
13	169.1	171.7	174.4	-1.5%	1.5%	-0.3	0.3
14	161.5	163.9	166.4	-1.5%	1.5%	-0.3	0.3
15	154.3	156.5	158.8	-1.4%	1.5%	-0.3	0.3
16	147.4	149.5	151.6	-1.4%	1.4%	-0.3	0.3
17	140.9	142.8	144.8	-1.4%	1.4%	-0.3	0.3
18	134.7	136.5	138.3	-1.3%	1.3%	-0.3	0.3
19	128.8	130.5	132.1	-1.3%	1.3%	-0.3	0.3
20	123.2	124.7	126.3	-1.2%	1.2%	-0.3	0.3
21	117.9	119.3	120.7	-1.2%	1.2%	-0.3	0.3
22	112.8	114.1	115.4	-1.1%	1.1%	-0.3	0.3
23	108.0	109.2	110.3	-1.1%	1.1%	-0.2	0.2
24	103.4	104.5	105.6	-1.0%	1.0%	-0.2	0.2
25	99.00	100.0	101.0	-1.0%	1.0%	-0.2	0.2
26	94.75	95.75	96.75	-1.0%	1.0%	-0.2	0.2
27	90.70	91.70	92.69	-1.1%	1.1%	-0.3	0.3
28	86.85	87.84	88.83	-1.1%	1.1%	-0.3	0.3
29	83.18	84.16	85.15	-1.2%	1.2%	-0.3	0.3
30	79.68	80.66	81.64	-1.2%	1.2%	-0.3	0.3
31	76.35	77.32	78.29	-1.3%	1.3%	-0.3	0.3
32	73.17	74.13	75.10	-1.3%	1.3%	-0.3	0.3
33	70.15	71.10	72.05	-1.3%	1.3%	-0.3	0.3
34	67.26	68.20	69.14	-1.4%	1.4%	-0.3	0.3
35	64.50	65.43	66.37	-1.4%	1.4%	-0.3	0.3



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R-T				TABLE			
R(25℃)=100kohm±1%				B(25/50)=3950K±1%			
Temp.	Resistance(kΩ)			resistance tol. (%)		Temp.tol. (℃)	
℃	Rmin	R(t)Normal	Rmax	MIN	MAX	MIN	MAX
36	61.88	62.79	63.72	-1.5%	1.5%	-0.4	0.4
37	59.37	60.27	61.19	-1.5%	1.5%	-0.4	0.4
38	56.98	57.87	58.77	-1.5%	1.6%	-0.4	0.4
39	54.69	55.57	56.46	-1.6%	1.6%	-0.4	0.4
40	52.51	53.38	54.25	-1.6%	1.6%	-0.4	0.4
41	50.43	51.28	52.14	-1.7%	1.7%	-0.4	0.4
42	48.44	49.27	50.12	-1.7%	1.7%	-0.4	0.4
43	46.54	47.36	48.19	-1.7%	1.8%	-0.4	0.4
44	44.72	45.53	46.34	-1.8%	1.8%	-0.5	0.5
45	42.98	43.77	44.58	-1.8%	1.8%	-0.5	0.5
46	41.32	42.10	42.89	-1.9%	1.9%	-0.5	0.5
47	39.73	40.49	41.27	-1.9%	1.9%	-0.5	0.5
48	38.21	38.96	39.72	-1.9%	2.0%	-0.5	0.5
49	36.75	37.49	38.24	-2.0%	2.0%	-0.5	0.5
50	35.36	36.08	36.82	-2.0%	2.0%	-0.5	0.5
51	34.03	34.74	35.46	-2.0%	2.1%	-0.5	0.6
52	32.75	33.45	34.16	-2.1%	2.1%	-0.6	0.6
53	31.53	32.21	32.91	-2.1%	2.2%	-0.6	0.6
54	30.36	31.03	31.71	-2.2%	2.2%	-0.6	0.6
55	29.24	29.90	30.56	-2.2%	2.2%	-0.6	0.6
56	28.17	28.81	29.46	-2.2%	2.3%	-0.6	0.6
57	27.14	27.77	28.40	-2.3%	2.3%	-0.6	0.6
58	26.15	26.77	27.39	-2.3%	2.3%	-0.6	0.7
59	25.20	25.81	26.42	-2.3%	2.4%	-0.7	0.7
60	24.30	24.89	25.49	-2.4%	2.4%	-0.7	0.7
61	23.43	24.00	24.59	-2.4%	2.5%	-0.7	0.7
62	22.59	23.15	23.73	-2.4%	2.5%	-0.7	0.7
63	21.79	22.34	22.90	-2.5%	2.5%	-0.7	0.7
64	21.02	21.56	22.11	-2.5%	2.6%	-0.7	0.7
65	20.28	20.81	21.35	-2.5%	2.6%	-0.7	0.8
66	19.57	20.09	20.62	-2.6%	2.6%	-0.7	0.8
67	18.89	19.39	19.91	-2.6%	2.7%	-0.8	0.8
68	18.23	18.73	19.24	-2.6%	2.7%	-0.8	0.8



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R(25℃)=100kohm±1%				B(25/50)=3950K±1%			
Temp.	Resistance(kΩ)			resistance tol. (%)		Temp.tol. (℃)	
℃	Rmin	R(t)Normal	Rmax	MIN	MAX	MIN	MAX
69	17.60	18.09	18.58	-2.7%	2.7%	-0.8	0.8
70	17.00	17.47	17.96	-2.7%	2.8%	-0.8	0.8
71	16.42	16.88	17.36	-2.7%	2.8%	-0.8	0.8
72	15.86	16.31	16.77	-2.8%	2.8%	-0.8	0.9
73	15.32	15.76	16.22	-2.8%	2.9%	-0.8	0.9
74	14.80	15.23	15.68	-2.8%	2.9%	-0.9	0.9
75	14.30	14.73	15.16	-2.9%	3.0%	-0.9	0.9
76	13.83	14.24	14.67	-2.9%	3.0%	-0.9	0.9
77	13.37	13.77	14.19	-2.9%	3.0%	-0.9	0.9
78	12.92	13.32	13.73	-3.0%	3.1%	-0.9	0.9
79	12.50	12.88	13.28	-3.0%	3.1%	-0.9	1.0
80	12.09	12.47	12.86	-3.0%	3.1%	-1.0	1.0
81	11.69	12.06	12.45	-3.1%	3.2%	-1.0	1.0
82	11.31	11.68	12.05	-3.1%	3.2%	-1.0	1.0
83	10.95	11.30	11.67	-3.1%	3.2%	-1.0	1.0
84	10.60	10.94	11.30	-3.2%	3.3%	-1.0	1.0
85	10.26	10.60	10.95	-3.2%	3.3%	-1.0	1.1
86	9.934	10.265	10.606	-3.2%	3.3%	-1.0	1.1
87	9.621	9.945	10.279	-3.3%	3.4%	-1.1	1.1
88	9.320	9.637	9.963	-3.3%	3.4%	-1.1	1.1
89	9.029	9.339	9.659	-3.3%	3.4%	-1.1	1.1
90	8.749	9.052	9.365	-3.3%	3.5%	-1.1	1.1
91	8.479	8.776	9.082	-3.4%	3.5%	-1.1	1.2
92	8.219	8.509	8.808	-3.4%	3.5%	-1.1	1.2
93	7.967	8.251	8.544	-3.4%	3.6%	-1.2	1.2
94	7.725	8.003	8.289	-3.5%	3.6%	-1.2	1.2
95	7.491	7.763	8.043	-3.5%	3.6%	-1.2	1.2
96	7.265	7.531	7.806	-3.5%	3.6%	-1.2	1.2
97	7.048	7.307	7.576	-3.6%	3.7%	-1.2	1.3
98	6.837	7.091	7.354	-3.6%	3.7%	-1.2	1.3
99	6.634	6.883	7.140	-3.6%	3.7%	-1.2	1.3
100	6.438	6.681	6.933	-3.6%	3.8%	-1.3	1.3
101	6.248	6.486	6.733	-3.7%	3.8%	-1.3	1.3



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R-T				TABLE			
R(25℃)=100kohm±1%				B(25/50)=3950K±1%			
Temp.	Resistance(kΩ)			resistance tol. (%)		Temp.tol. (℃)	
℃	Rmin	R(t)Normal	Rmax	MIN	MAX	MIN	MAX
102	6.064	6.297	6.539	-3.7%	3.8%	-1.3	1.3
103	5.887	6.115	6.351	-3.7%	3.9%	-1.3	1.4
104	5.715	5.939	6.170	-3.8%	3.9%	-1.3	1.4
105	5.550	5.768	5.994	-3.8%	3.9%	-1.3	1.4
106	5.389	5.603	5.825	-3.8%	4.0%	-1.4	1.4
107	5.234	5.444	5.660	-3.8%	4.0%	-1.4	1.4
108	5.085	5.289	5.501	-3.9%	4.0%	-1.4	1.4
109	4.940	5.140	5.348	-3.9%	4.0%	-1.4	1.5
110	4.799	5.00	5.199	-3.9%	4.1%	-1.4	1.5
111	4.664	4.86	5.055	-3.9%	4.1%	-1.4	1.5
112	4.533	4.72	4.915	-4.0%	4.1%	-1.5	1.5
113	4.406	4.59	4.780	-4.0%	4.2%	-1.5	1.5
114	4.283	4.46	4.650	-4.0%	4.2%	-1.5	1.6
115	4.164	4.34	4.523	-4.1%	4.2%	-1.5	1.6
116	4.048	4.22	4.400	-4.1%	4.2%	-1.5	1.6
117	3.937	4.11	4.281	-4.1%	4.3%	-1.6	1.6
118	3.829	3.99	4.166	-4.1%	4.3%	-1.6	1.6
119	3.724	3.89	4.055	-4.2%	4.3%	-1.6	1.6
120	3.623	3.78	3.947	-4.2%	4.4%	-1.6	1.7
121	3.525	3.68	3.842	-4.2%	4.4%	-1.6	1.7
122	3.430	3.58	3.740	-4.2%	4.4%	-1.6	1.7
123	3.338	3.49	3.642	-4.3%	4.4%	-1.7	1.7
124	3.248	3.39	3.546	-4.3%	4.5%	-1.7	1.7
125	3.162	3.30	3.454	-4.3%	4.5%	-1.7	1.8
126	3.078	3.22	3.364	-4.3%	4.5%	-1.7	1.8
127	2.997	3.13	3.276	-4.4%	4.6%	-1.7	1.8
128	2.918	3.05	3.192	-4.4%	4.6%	-1.7	1.8
129	2.841	2.97	3.110	-4.4%	4.6%	-1.8	1.8
130	2.767	2.90	3.030	-4.4%	4.6%	-1.8	1.9
131	2.695	2.82	2.953	-4.5%	4.7%	-1.8	1.9
132	2.625	2.75	2.878	-4.5%	4.7%	-1.8	1.9
133	2.558	2.68	2.805	-4.5%	4.7%	-1.8	1.9
134	2.492	2.61	2.735	-4.5%	4.8%	-1.9	1.9



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R-T TABLE				P/N: Z8401203-5			
R(25℃)=100kohm±1%				B(25/50)=3950K±1%			
Temp.	Resistance(kΩ)			resistance tol. (%)		Temp.tol. (℃)	
℃	Rmin	R(t)Normal	Rmax	MIN	MAX	MIN	MAX
135	2.428	2.54	2.666	-4.6%	4.8%	-1.9	2.0
136	2.366	2.48	2.599	-4.6%	4.8%	-1.9	2.0
137	2.306	2.42	2.535	-4.6%	4.8%	-1.9	2.0
138	2.248	2.36	2.472	-4.6%	4.9%	-1.9	2.0
139	2.192	2.30	2.411	-4.7%	4.9%	-1.9	2.0
140	2.137	2.24	2.352	-4.7%	4.9%	-2.0	2.1
141	2.084	2.187	2.295	-4.7%	4.9%	-2.0	2.1
142	2.032	2.133	2.239	-4.7%	5.0%	-2.0	2.1
143	1.982	2.081	2.185	-4.8%	5.0%	-2.0	2.1
144	1.933	2.030	2.132	-4.8%	5.0%	-2.0	2.1
145	1.886	1.981	2.081	-4.8%	5.0%	-2.1	2.2
146	1.840	1.933	2.031	-4.8%	5.1%	-2.1	2.2
147	1.795	1.886	1.982	-4.9%	5.1%	-2.1	2.2
148	1.751	1.841	1.935	-4.9%	5.1%	-2.1	2.2
149	1.709	1.797	1.890	-4.9%	5.1%	-2.1	2.2
150	1.668	1.755	1.845	-4.9%	5.2%	-2.2	2.3
151	1.628	1.713	1.802	-4.9%	5.2%	-2.2	2.3
152	1.590	1.673	1.760	-5.0%	5.2%	-2.2	2.3
153	1.552	1.634	1.719	-5.0%	5.2%	-2.2	2.3
154	1.516	1.596	1.680	-5.0%	5.3%	-2.2	2.4
155	1.480	1.559	1.641	-5.0%	5.3%	-2.3	2.4
156	1.446	1.523	1.604	-5.1%	5.3%	-2.3	2.4
157	1.412	1.488	1.567	-5.1%	5.3%	-2.3	2.4
158	1.379	1.453	1.531	-5.1%	5.4%	-2.3	2.4
159	1.347	1.420	1.497	-5.1%	5.4%	-2.3	2.5
160	1.317	1.388	1.463	-5.1%	5.4%	-2.4	2.5
161	1.286	1.356	1.430	-5.2%	5.4%	-2.4	2.5
162	1.257	1.326	1.398	-5.2%	5.5%	-2.4	2.5
163	1.229	1.296	1.367	-5.2%	5.5%	-2.4	2.5
164	1.201	1.267	1.337	-5.2%	5.5%	-2.4	2.6
165	1.174	1.239	1.307	-5.3%	5.5%	-2.5	2.6
166	1.147	1.211	1.279	-5.3%	5.6%	-2.5	2.6
167	1.122	1.184	1.251	-5.3%	5.6%	-2.5	2.6



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R-T TABLE				P/N: Z8401203-5			
R(25℃)=100kohm±1%				B(25/50)=3950K±1%			
Temp.	Resistance(kΩ)			resistance tol. (%)		Temp.tol. (℃)	
℃	Rmin	R(t)Normal	Rmax	MIN	MAX	MIN	MAX
168	1.097	1.158	1.223	-5.3%	5.6%	-2.5	2.7
169	1.072	1.133	1.197	-5.3%	5.6%	-2.5	2.7
170	1.049	1.108	1.171	-5.4%	5.7%	-2.6	2.7
171	1.026	1.084	1.146	-5.4%	5.7%	-2.6	2.7
172	1.003	1.061	1.121	-5.4%	5.7%	-2.6	2.8
173	0.9813	1.038	1.097	-5.4%	5.7%	-2.6	2.8
174	0.9600	1.015	1.074	-5.4%	5.7%	-2.6	2.8
175	0.9392	0.9935	1.051	-5.5%	5.8%	-2.7	2.8
176	0.9188	0.9721	1.028	-5.5%	5.8%	-2.7	2.8
177	0.8989	0.9513	1.007	-5.5%	5.8%	-2.7	2.9
178	0.8796	0.9310	0.9853	-5.5%	5.8%	-2.7	2.9
179	0.8607	0.9112	0.9646	-5.5%	5.9%	-2.8	2.9
180	0.8423	0.8919	0.9444	-5.6%	5.9%	-2.8	2.9
181	0.8244	0.8731	0.9247	-5.6%	5.9%	-2.8	3.0
182	0.8069	0.8548	0.9055	-5.6%	5.9%	-2.8	3.0
183	0.7899	0.8369	0.8867	-5.6%	5.9%	-2.8	3.0
184	0.7733	0.8195	0.8685	-5.6%	6.0%	-2.9	3.0
185	0.7571	0.8025	0.8506	-5.7%	6.0%	-2.9	3.1
186	0.7413	0.7860	0.8332	-5.7%	6.0%	-2.9	3.1
187	0.7259	0.7698	0.8163	-5.7%	6.0%	-2.9	3.1
188	0.7109	0.7541	0.7997	-5.7%	6.1%	-3.0	3.1
189	0.6963	0.7387	0.7836	-5.7%	6.1%	-3.0	3.1
190	0.6820	0.7237	0.7678	-5.8%	6.1%	-3.0	3.2
191	0.6681	0.7090	0.7525	-5.8%	6.1%	-3.0	3.2
192	0.6545	0.6948	0.7375	-5.8%	6.1%	-3.0	3.2
193	0.6412	0.6808	0.7228	-5.8%	6.2%	-3.1	3.2
194	0.6283	0.6672	0.7085	-5.8%	6.2%	-3.1	3.3
195	0.6156	0.6539	0.6946	-5.9%	6.2%	-3.1	3.3
196	0.6033	0.6410	0.6809	-5.9%	6.2%	-3.1	3.3
197	0.5913	0.6283	0.6676	-5.9%	6.3%	-3.2	3.3
198	0.5796	0.6160	0.6546	-5.9%	6.3%	-3.2	3.4
199	0.5681	0.6039	0.6419	-5.9%	6.3%	-3.2	3.4
200	0.5569	0.5921	0.6295	-5.9%	6.3%	-3.2	3.4



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R-T TABLE				P/N: Z8401203-5			
R(25℃)=100kohm±1%				B(25/50)=3950K±1%			
Temp.	Resistance(kΩ)			resistance tol. (%)		Temp.tol. (℃)	
℃	Rmin	R(t)Normal	Rmax	MIN	MAX	MIN	MAX
201	0.5461	0.5808	0.6176	-6.0%	6.3%	-3.2	3.4
202	0.5355	0.5696	0.6059	-6.0%	6.4%	-3.3	3.5
203	0.5252	0.5588	0.5944	-6.0%	6.4%	-3.3	3.5
204	0.5152	0.5482	0.5832	-6.0%	6.4%	-3.3	3.5
205	0.5053	0.5378	0.5723	-6.0%	6.4%	-3.3	3.5
206	0.4957	0.5277	0.5616	-6.1%	6.4%	-3.4	3.6
207	0.4863	0.5178	0.5512	-6.1%	6.5%	-3.4	3.6
208	0.4771	0.5081	0.5410	-6.1%	6.5%	-3.4	3.6
209	0.4682	0.4986	0.5310	-6.1%	6.5%	-3.4	3.6
210	0.4594	0.4894	0.5213	-6.1%	6.5%	-3.5	3.7
211	0.4508	0.4803	0.5117	-6.1%	6.5%	-3.5	3.7
212	0.4424	0.4715	0.5024	-6.2%	6.6%	-3.5	3.7
213	0.4342	0.4628	0.4933	-6.2%	6.6%	-3.5	3.8
214	0.4262	0.4544	0.4844	-6.2%	6.6%	-3.5	3.8
215	0.4184	0.4461	0.4756	-6.2%	6.6%	-3.6	3.8
216	0.4107	0.4380	0.4671	-6.2%	6.6%	-3.6	3.8
217	0.4032	0.4301	0.4587	-6.3%	6.7%	-3.6	3.9
218	0.3959	0.4224	0.4506	-6.3%	6.7%	-3.6	3.9
219	0.3887	0.4148	0.4426	-6.3%	6.7%	-3.7	3.9
220	0.3817	0.4074	0.4348	-6.3%	6.7%	-3.7	3.9
221	0.3749	0.4002	0.4271	-6.3%	6.7%	-3.7	4.0
222	0.3682	0.3931	0.4196	-6.3%	6.8%	-3.7	4.0
223	0.3616	0.3861	0.4123	-6.4%	6.8%	-3.8	4.0
224	0.3552	0.3793	0.4051	-6.4%	6.8%	-3.8	4.0
225	0.3489	0.3727	0.3981	-6.4%	6.8%	-3.8	4.1
226	0.3427	0.3661	0.3911	-6.4%	6.8%	-3.8	4.1
227	0.3367	0.3597	0.3844	-6.4%	6.8%	-3.9	4.1
228	0.3307	0.3535	0.3777	-6.4%	6.9%	-3.9	4.1
229	0.3249	0.3473	0.3712	-6.5%	6.9%	-3.9	4.2
230	0.3192	0.3413	0.3649	-6.5%	6.9%	-3.9	4.2
231	0.3137	0.3354	0.3586	-6.5%	6.9%	-4.0	4.2
232	0.3082	0.3296	0.3525	-6.5%	6.9%	-4.0	4.3
233	0.3029	0.3240	0.3465	-6.5%	7.0%	-4.0	4.3



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R-T TABLE				P/N:Z8401203-5			
R(25°C)=100kohm±1%				B(25/50)=3950K±1%			
Temp.	Resistance(kΩ)			resistance tol. (%)		Temp.tol. (°C)	
°C	Rmin	R(t)Normal	Rmax	MIN	MAX	MIN	MAX
234	0.2977	0.3185	0.3407	-6.5%	7.0%	-4.0	4.3
235	0.2925	0.3130	0.3349	-6.5%	7.0%	-4.1	4.3
236	0.2875	0.3077	0.3293	-6.6%	7.0%	-4.1	4.4
237	0.2826	0.3025	0.3238	-6.6%	7.0%	-4.1	4.4
238	0.2778	0.2974	0.3184	-6.6%	7.1%	-4.1	4.4
239	0.2731	0.2924	0.3131	-6.6%	7.1%	-4.2	4.5
240	0.2684	0.2875	0.3079	-6.6%	7.1%	-4.2	4.5
241	0.2639	0.2827	0.3028	-6.6%	7.1%	-4.2	4.5
242	0.2595	0.2780	0.2978	-6.7%	7.1%	-4.2	4.5
243	0.2551	0.2734	0.2929	-6.7%	7.1%	-4.3	4.6
244	0.2509	0.2689	0.2881	-6.7%	7.2%	-4.3	4.6
245	0.2467	0.2644	0.2834	-6.7%	7.2%	-4.3	4.6
246	0.2426	0.2601	0.2788	-6.7%	7.2%	-4.3	4.7
247	0.2386	0.2558	0.2743	-6.7%	7.2%	-4.4	4.7
248	0.2346	0.2516	0.2698	-6.8%	7.2%	-4.4	4.7
249	0.2308	0.2475	0.2655	-6.8%	7.2%	-4.4	4.7
250	0.2270	0.2435	0.2612	-6.8%	7.3%	-4.4	4.8