



**THINKING ELECTRONIC INDUSTRIAL CO., LTD.**  
**R-T TABLE**

Part No: TGM-104

$R_{90^{\circ}\text{C}}=8.556\text{K}\Omega\pm 2\%$

$B_{100/200^{\circ}\text{C}}=4300\text{K}\pm 3\%$

<b>T</b>	<b>Rmax.</b>	<b>Rnor.</b>	<b>Rmin.</b>	<b>Temp. Tolerance</b>	
<b>(°C)</b>	<b>(KΩ)</b>	<b>(KΩ)</b>	<b>(KΩ)</b>	<b>(°C)</b>	
-20	1153.0380	980.5450	833.5232	-2.84	2.42
-19	1086.2810	925.3809	787.9980	-2.83	2.42
-18	1023.7844	873.6477	745.2302	-2.82	2.41
-17	965.2523	825.1129	705.0375	-2.81	2.40
-16	910.4112	779.5609	667.2502	-2.79	2.40
-15	859.0078	736.7917	631.7112	-2.78	2.39
-14	810.8076	696.6199	598.2741	-2.77	2.38
-13	765.5933	658.8735	566.8030	-2.75	2.37
-12	723.1635	623.3925	537.1715	-2.74	2.37
-11	683.3314	590.0287	509.2618	-2.72	2.36
-10	645.9237	558.6440	482.9646	-2.71	2.35
-9	610.7797	529.1103	458.1778	-2.69	2.34
-8	577.7501	501.3082	434.8064	-2.68	2.33
-7	546.6962	475.1270	412.7619	-2.67	2.32
-6	517.4890	450.4632	391.9618	-2.65	2.31
-5	490.0090	427.2208	372.3291	-2.64	2.30
-4	464.1445	405.3102	353.7921	-2.62	2.30
-3	439.7920	384.6479	336.2836	-2.61	2.29
-2	416.8551	365.1562	319.7411	-2.59	2.28
-1	395.2438	346.7625	304.1062	-2.58	2.27
0	374.8746	329.3990	289.3242	-2.56	2.26
1	355.3705	312.7473	275.1262	-2.54	2.25
2	336.9943	297.0341	261.7076	-2.53	2.24
3	319.6745	282.2014	249.0213	-2.51	2.22
4	303.3446	268.1950	237.0235	-2.50	2.21
5	287.9428	254.9645	225.6730		2.20
6	273.4112	242.4627	214.9314	-2.46	2.19
7	259.6961	230.6455	204.7627	-2.45	2.18
8	246.7470	219.4717	195.1333	-2.43	2.17
9	234.5173	208.9029	186.0117	-2.41	2.16
10	222.9629	198.9030	177.3684	-2.40	2.15
11	212.0431	189.4384	169.1758	-2.38	2.13
12	201.7196	180.4776	161.4079	-2.36	2.12
13	191.9568	171.9912	154.0406	-2.35	2.11
14	182.7211	163.9514	147.0510	-2.33	2.10
15	173.9814	156.3325	140.4177	-2.31	2.09
16	165.7084	149.1101	134.1208	-2.29	2.07
17	157.8747	142.2617	128.1414	-2.28	2.06
18	150.4548	135.7658	122.4619	-2.26	2.05
19	143.4246	129.6025	117.0656	-2.24	2.03
20	136.7617	123.7530	111.9369	-2.22	2.02
21	130.4449	118.1997	107.0612	-2.21	2.01
22	124.4545	112.9262	102.4248	-2.19	1.99

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<b>(°C)</b>	<b>(KΩ)</b>	<b>(KΩ)</b>	<b>(KΩ)</b>	<b>(°C)</b>	
23	118.7719	107.9168	98.0145	-2.17	1.98
24	113.3798	103.1570	93.8183	-2.15	1.96
25	108.2617	98.6330	89.8247	-2.13	1.95
26	103.4026	94.3321	86.0229	-2.11	1.93
27	98.7877	90.2420	82.4026	-2.09	1.92
28	94.4037	86.3513	78.9542	-2.07	1.91
29	90.2379	82.6494	75.6688	-2.05	1.89
30	86.2782	79.1260	72.5377	-2.04	1.87
31	82.5134	75.7717	69.5530	-2.02	1.86
32	78.9329	72.5775	66.7071	-2.00	1.84
33	75.5269	69.5350	63.9929	-1.98	1.83
34	72.2859	66.6362	61.4035	-1.96	1.81
35	69.2012	63.8737	58.9327	-1.94	1.80
36	66.2644	61.2403	56.5744	-1.92	1.78
37	63.4677	58.7293	54.3230	-1.90	1.76
38	60.8037	56.3345	52.1730	-1.88	1.75
39	58.2655	54.0500	50.1194	-1.85	1.73
40	55.8465	51.8700	48.1574	-1.83	1.71
41	53.5405	49.7894	46.2825	-1.81	1.70
42	51.3418	47.8030	44.4903	-1.79	1.68
43	49.2447	45.9062	42.7769	-1.77	1.66
44	47.2442	44.0946	41.1384	-1.75	1.64
45	45.3353	42.3637	39.5712	-1.73	1.62
46	43.5133	40.7098	38.0717	-1.71	1.61
47	41.7739	39.1289	36.6368	-1.69	1.59
48	40.1130	37.6176	35.2633	-1.66	1.57
49	38.5265	36.1723	33.9484	-1.64	1.55
50	37.0109	34.7900	32.6893	-1.62	1.53
51	35.5630	33.4678	31.4835	-1.60	1.51
52	34.1789	32.2025	30.3282	-1.58	1.49
53	32.8557	30.9914	29.2212	-1.55	1.47
54	31.5903	29.8319	28.1602	-1.53	1.46
55	30.3800	28.7216	27.1430	-1.51	1.44
56	29.2221	27.6582	26.1676	-1.49	1.42
57	28.1140	26.6395	25.2321	-1.46	1.40
58	27.0535	25.6633	24.3348	-1.44	1.38
59	26.0383	24.7278	23.4738	-1.42	1.35
60	25.0662	23.8310	22.6476	-1.39	1.33
61	24.1352	22.9712	21.8546	-1.37	1.31
62	23.2434	22.1466	21.0932	-1.35	1.29
63	22.3889	21.3557	20.3621	-1.32	1.27
64	21.5700	20.5970	19.6600	-1.30	1.25
65	20.7851	19.8689	18.9856	-1.27	1.23

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<b>(°C)</b>	<b>(KΩ)</b>	<b>(KΩ)</b>	<b>(KΩ)</b>	<b>(°C)</b>	
66	20.0326	19.1702	18.3376	-1.25	1.21
67	19.3110	18.4994	17.7149	-1.23	1.18
68	18.6190	17.8554	17.1164	-1.20	1.16
69	17.9551	17.2370	16.5410	-1.18	1.14
70	17.3181	16.6430	15.9878	-1.15	1.12
71	16.7068	16.0724	15.4558	-1.13	1.10
72	16.1201	15.5240	14.9441	-1.10	1.07
73	15.5568	14.9971	14.4518	-1.08	1.05
74	15.0159	14.4906	13.9781	-1.05	1.03
75	14.4964	14.0036	13.5222	-1.03	1.00
76	13.9974	13.5354	13.0834	-1.00	0.98
77	13.5179	13.0850	12.6609	-0.98	0.96
78	13.0572	12.6518	12.2541	-0.95	0.93
79	12.6144	12.2351	11.8624	-0.92	0.91
80	12.1887	11.8340	11.4850	-0.90	0.88
81	11.7794	11.4480	11.1215	-0.87	0.86
82	11.3858	11.0765	10.7712	-0.85	0.84
83	11.0072	10.7187	10.4335	-0.82	0.81
84	10.6430	10.3742	10.1081	-0.79	0.79
85	10.2925	10.0423	9.7943	-0.77	0.76
86	9.9552	9.7227	9.4917	-0.74	0.74
87	9.6305	9.4147	9.1999	-0.71	0.71
88	9.3180	9.1178	8.9185	-0.69	0.68
89	9.0170	8.8318	8.6469	-0.66	0.66
90	8.7271	8.5560	8.3849	-0.66	0.66
91	8.4639	8.2901	8.1166	-0.67	0.66
92	8.2099	8.0337	7.8582	-0.70	0.70
93	7.9646	7.7864	7.6092	-0.73	0.73
94	7.7279	7.5479	7.3692	-0.77	0.76
95	7.4992	7.3178	7.1378	-0.80	0.80
96	7.2784	7.0957	6.9148	-0.84	0.83
97	7.0650	6.8814	6.6998	-0.87	0.86
98	6.8589	6.6745	6.4925	-0.91	0.90
99	6.6598	6.4748	6.2925	-0.95	0.93
100	6.4673	6.2820	6.0996	-0.98	0.97
101	6.2813	6.0958	5.9134	-1.02	1.00
102	6.1014	5.9160	5.7338	-1.05	1.03
103	5.9276	5.7422	5.5605	-1.09	1.07
104	5.7594	5.5744	5.3931	-1.13	1.10
105	5.5968	5.4122	5.2316	-1.16	1.14

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<b>(°C)</b>	<b>(KΩ)</b>	<b>(KΩ)</b>	<b>(KΩ)</b>	<b>(°C)</b>	
106	5.4395	5.2555	5.0756	-1.20	1.17
107	5.2874	5.1040	4.9250	-1.24	1.21
108	5.1401	4.9575	4.7795	-1.28	1.24
109	4.9977	4.8159	4.6389	-1.31	1.28
110	4.8598	4.6790	4.5031	-1.35	1.31
111	4.7263	4.5465	4.3719	-1.39	1.35
112	4.5970	4.4184	4.2450	-1.43	1.39
113	4.4719	4.2945	4.1224	-1.47	1.42
114	4.3507	4.1746	4.0039	-1.50	1.46
115	4.2334	4.0586	3.8894	-1.54	1.49
116	4.1198	3.9463	3.7786	-1.58	1.53
117	4.0097	3.8376	3.6715	-1.62	1.57
118	3.9030	3.7324	3.5679	-1.66	1.60
119	3.7997	3.6306	3.4677	-1.70	1.64
120	3.6995	3.5320	3.3707	-1.74	1.68
121	3.6025	3.4365	3.2769	-1.78	1.71
122	3.5084	3.3440	3.1860	-1.82	1.75
123	3.4172	3.2544	3.0982	-1.86	1.79
124	3.3287	3.1676	3.0131	-1.90	1.83
125	3.2429	3.0835	2.9307	-1.94	1.86
126	3.1597	3.0019	2.8509	-1.99	1.90
127	3.0790	2.9229	2.7736	-2.03	1.94
128	3.0007	2.8463	2.6988	-2.07	1.98
129	2.9247	2.7720	2.6263	-2.11	2.01
130	2.8510	2.7000	2.5560	-2.15	2.05
131	2.7794	2.6302	2.4879	-2.19	2.09
132	2.7099	2.5624	2.4220	-2.24	2.13
133	2.6425	2.4967	2.3580	-2.28	2.17
134	2.5770	2.4329	2.2960	-2.32	2.21
135	2.5134	2.3711	2.2359	-2.37	2.25
136	2.4517	2.3110	2.1776	-2.41	2.29
137	2.3917	2.2528	2.1211	-2.45	2.33
138	2.3334	2.1962	2.0663	-2.50	2.36
139	2.2768	2.1413	2.0131	-2.54	2.40
140	2.2218	2.0880	1.9615	-2.58	2.44
141	2.1683	2.0362	1.9113	-2.63	2.48
142	2.1163	1.9859	1.8627	-2.67	2.52
143	2.0658	1.9370	1.8155	-2.72	2.56
144	2.0167	1.8895	1.7697	-2.76	2.60
145	1.9689	1.8435	1.7253	-2.81	2.64
146	1.9226	1.7987	1.6822	-2.85	2.69
147	1.8774	1.7552	1.6403	-2.90	2.73
148	1.8336	1.7130	1.5996	-2.95	2.77
149	1.7909	1.6719	1.5601	-2.99	2.81
150	1.7495	1.6320	1.5218	-3.04	2.85