NTC THERMISTOR R-T CHARACTERISTICS

TYPE	BM18-3H103F*

T0(℃)	T1(℃)	T2(℃)
25	25	50

R at T0℃	10000 Ω	R+TOLERANCE(%)	1	R-TOLERANCE(%)	1
B(T1℃/T2℃)	3450 K	B+TOLERANCE(K)	34.5	B-TOLERANCE(K)	34.5

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	2.208E+05	2.304E+05	2.403E+05
-39	2.080E+05	2.169E+05	2.261E+05
-38	1.960E+05	2.042E+05	2.128E+05
-37	1.848E+05	1.925E+05	2.004E+05
-36	1.743E+05	1.814E+05	1.888E+05
-35	1.645E+05	1.711E+05	1.779E+05
-34	1.553E+05	1.614E+05	1.678E+05
-33	1.467E+05	1.524E+05	1.583E+05
-32	1.386E+05	1.439E+05	1.494E+05
-31	1.311E+05	1.360E+05	1.411E+05
-30	1.240E+05	1.285E+05	1.333E+05
-29	1.173E+05	1.216E+05	1.260E+05
-28	1.110E+05	1.150E+05	1.191E+05
-27	1.052E+05	1.088E+05	1.127E+05
-26	9.963E+04	1.031E+05	1.066E+05
-25	9.442E+04	9.763E+04	1.009E+05
-24	8.953E+04	9.251E+04	9.559E+04
-23	8.492E+04	8.770E+04	9.057E+04
-22	8.057E+04	8.317E+04	8.584E+04
-21	7.648E+04	7.891E+04	8.139E+04
-20	7.263E+04	7.489E+04	7.721E+04
-19	6.899E+04	7.110E+04	7.326E+04
-18	6.556E+04	6.753E+04	6.954E+04
-17	6.232E+04	6.416E+04	6.604E+04
-16	5.927E+04	6.098E+04	6.274E+04
-15	5.638E+04	5.798E+04	5.962E+04
-14	5.366E+04	5.515E+04	5.668E+04
-13	5.108E+04	5.248E+04	5.391E+04
-12	4.865E+04	4.995E+04	5.129E+04
-11	4.635E+04	4.757E+04	4.881E+04
-10	4.417E+04	4.531E+04	4.647E+04
-9	4.211E+04	4.318E+04	4.426E+04
-8	4.016E+04	4.116E+04	4.217E+04
-7	3.832E+04	3.924E+04	4.019E+04
-6	3.656E+04	3.743E+04	3.832E+04
-5	3.491E+04	3.572E+04	3.654E+04
-4	3.333E+04	3.409E+04	3.486E+04
-3	3.184E+04	3.255E+04	3.327E+04
-2	3.042E+04	3.109E+04	3.176E+04
-1	2.908E+04	2.970E+04	3.033E+04
0	2.780E+04	2.838E+04	2.897E+04

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.780E+04	2.838E+04	2.897E+04
1	2.659E+04	2.713E+04	2.768E+04
2	2.543E+04	2.594E+04	2.645E+04
3	2.434E+04	2.481E+04	2.529E+04
4	2.330E+04	2.374E+04	2.419E+04
5	2.231E+04	2.272E+04	2.314E+04
6	2.136E+04	2.175E+04	2.214E+04
7	2.047E+04	2.083E+04	2.119E+04
8	1.961E+04	1.995E+04	2.029E+04
9	1.880E+04	1.912E+04	1.944E+04
10	1.803E+04	1.832E+04	1.862E+04
11	1.729E+04	1.757E+04	1.784E+04
12	1.659E+04	1.684E+04	1.710E+04
13	1.592E+04	1.616E+04	1.640E+04
14	1.528E+04	1.550E+04	1.573E+04
15	1.467E+04	1.488E+04	1.509E+04
16	1.409E+04	1.428E+04	1.448E+04
17	1.353E+04	1.371E+04	1.390E+04
18	1.300E+04	1.317E+04	1.334E+04
19	1.250E+04	1.265E+04	1.281E+04
20	1.201E+04	1.216E+04	1.231E+04
21	1.155E+04	1.169E+04	1.182E+04
22	1.111E+04	1.124E+04	1.136E+04
23	1.069E+04	1.081E+04	1.092E+04
24	1.029E+04	1.039E+04	1.050E+04
25	9.900E+03	1.000E+04	1.010E+04
26	9.523E+03	9.623E+03	9.723E+03
27	9.163E+03	9.263E+03	9.363E+03
28	8.819E+03	8.918E+03	9.018E+03
29	8.489E+03	8.588E+03	8.687E+03
30	8.174E+03	8.272E+03	8.371E+03
31	7.872E+03	7.970E+03	8.068E+03
32	7.583E+03	7.680E+03	7.777E+03
33	7.306E+03	7.402E+03	7.499E+03
34	7.041E+03	7.136E+03	7.232E+03
35	6.787E+03	6.881E+03	6.976E+03
36	6.543E+03	6.636E+03	6.730E+03
37	6.310E+03	6.402E+03	6.495E+03
38	6.086E+03	6.177E+03	6.269E+03
39	5.871E+03	5.961E+03	6.052E+03
40	5.665E+03	5.754E+03	5.844E+03
41	5.468E+03	5.555E+03	5.644E+03
42	5.278E+03	5.365E+03	5.452E+03
43	5.096E+03	5.182E+03	5.268E+03
44	4.921E+03	5.006E+03	5.091E+03
45	4.754E+03	4.837E+03	4.921E+03
46	4.592E+03	4.674E+03	4.757E+03
47	4.438E+03	4.518E+03	4.600E+03
48	4.289E+03	4.368E+03	4.449E+03
49	4.146E+03	4.224E+03	4.303E+03
50	4.008E+03	4.085E+03	4.163E+03

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B(T1℃/T2℃)	3450 K	B+TOLERANCE(K)	34.5	B-TOLERANCE(K)	34.5

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
50	4.008E+03	4.085E+03	4.163E+03
51	3.876E+03	3.952E+03	4.029E+03
52	3.749E+03	3.823E+03	3.899E+03
53	3.627E+03	3.700E+03	3.774E+03
54	3.509E+03	3.581E+03	3.654E+03
55	3.396E+03	3.466E+03	3.538E+03
56	3.287E+03	3.356E+03	3.427E+03
57	3.182E+03	3.250E+03	3.320E+03
58	3.081E+03	3.148E+03	3.216E+03
59	2.984E+03	3.050E+03	3.117E+03
60	2.890E+03	2.955E+03	3.021E+03
61	2.800E+03	2.863E+03	2.928E+03
62	2.713E+03	2.775E+03	2.839E+03
63	2.629E+03	2.691E+03	2.753E+03
64	2.548E+03	2.609E+03	2.670E+03
65	2.470E+03	2.530E+03	2.590E+03
66	2.395E+03	2.454E+03	2.513E+03
67	2.323E+03	2.380E+03	2.439E+03
68	2.253E+03	2.309E+03	2.367E+03
69	2.185E+03	2.241E+03	2.297E+03
70	2.120E+03	2.174E+03	2.230E+03
71	2.057E+03	2.111E+03	2.165E+03
72	1.997E+03	2.049E+03	2.102E+03
73	1.938E+03	1.989E+03	2.041E+03
74	1.881E+03	1.931E+03	1.983E+03
75	1.826E+03	1.876E+03	1.926E+03
76	1.773E+03	1.822E+03	1.871E+03
77	1.722E+03	1.770E+03	1.819E+03
78	1.673E+03	1.720E+03	1.767E+03
79	1.625E+03	1.671E+03	1.718E+03
80	1.579E+03	1.624E+03	1.670E+03
81	1.534E+03	1.578E+03	1.623E+03
82	1.491E+03	1.534E+03	1.578E+03
83	1.449E+03	1.491E+03	1.535E+03
84	1.408E+03	1.450E+03	1.493E+03
85	1.369E+03	1.410E+03	1.452E+03
86	1.331E+03	1.372E+03	1.413E+03
87	1.295E+03	1.334E+03	1.375E+03
88	1.259E+03	1.298E+03	1.338E+03
89	1.225E+03	1.263E+03	1.302E+03
90	1.192E+03	1.229E+03	1.267E+03
91	1.160E+03	1.196E+03	1.234E+03
92	1.129E+03	1.165E+03	1.202E+03
93	1.099E+03	1.134E+03	1.170E+03
94	1.070E+03	1.104E+03	1.140E+03
95	1.041E+03	1.075E+03	1.110E+03
96	1.014E+03	1.047E+03	1.081E+03
97	9.872E+02	1.020E+03	1.054E+03
98	9.614E+02	9.934E+02	1.026E+03
99	9.363E+02	9.678E+02	1.000E+03
100	9.119E+02	9.428E+02	9.746E+02

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)