NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TC05-2S101J [R,B]

RESISTANCE(at25℃)	100 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	2750 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	1.048E+003	1.192E+003	1.352E+003
-39	1.001E+003	1.136E+003	1.286E+003
-38	9.556E+002	1.083E+003	1.225E+003
-37	9.130E+002	1.033E+003	1.167E+003
-36	8.726E+002	9.863E+002	1.112E+003
-35	8.343E+002	9.417E+002	1.060E+003
-34	7.980E+002	8.994E+002	1.011E+003
-33	7.636E+002	8.593E+002	9.647E+002
-32	7.309E+002	8.214E+002	9.207E+002
-31	6.999E+002	7.854E+002	8.791E+002
-30	6.704E+002	7.512E+002	8.397E+002
-29	6.423E+002	7.188E+002	8.023E+002
-28	6.156E+002	6.880E+002	7.669E+002
-27	5.903E+002	6.587E+002	7.333E+002
-26	5.661E+002	6.310E+002	7.014E+002
-25	5.432E+002	6.046E+002	6.712E+002
-24	5.213E+002	5.795E+002	6.425E+002
-23	5.005E+002	5.556E+002	6.152E+002
-22	4.807E+002	5.329E+002	5.893E+002
-21	4.618E+002	5.113E+002	5.646E+002
-20	4.438E+002	4.907E+002	5.412E+002
-19	4.267E+002	4.712E+002	5.190E+002
-18	4.103E+002	4.525E+002	4.979E+002
-17	3.947E+002	4.348E+002	4.777E+002
-16	3.798E+002	4.178E+002	4.585E+002
-15	3.655E+002	4.016E+002	4.401E+002
-14	3.519E+002	3.861E+002	4.227E+002
-13	3.388E+002	3.713E+002	4.060E+002
-12	3.263E+002	3.572E+002	3.901E+002
-11	3.144E+002	3.437E+002	3.749E+002
-10	3.029E+002	3.308E+002	3.604E+002
-9	2.920E+002	3.185E+002	3.465E+002
-8	2.815E+002	3.067E+002	3.333E+002
-7	2.714E+002	2.954E+002	3.207E+002
-6	2.618E+002	2.846E+002	3.086E+002
-5	2.526E+002	2.742E+002	2.970E+002
-4	2.437E+002	2.643E+002	2.860E+002
-3	2.353E+002	2.549E+002	2.754E+002
-2	2.271E+002	2.458E+002	2.653E+002
-1	2.193E+002	2.371E+002	2.556E+002
0	2.118E+002	2.287E+002	2.463E+002

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	2.118E+002	2.287E+002	2.463E+002
1	2.047E+002	2.207E+002	2.374E+002
2	1.978E+002	2.131E+002	2.289E+002
3	1.911E+002	2.057E+002	2.208E+002
4	1.848E+002	1.986E+002	2.130E+002
5	1.787E+002	1.919E+002	2.055E+002
6	1.728E+002	1.853E+002	1.983E+002
7	1.671E+002	1.791E+002	1.914E+002
8	1.617E+002	1.731E+002	1.848E+002
9	1.565E+002	1.673E+002	1.785E+002
10	1.515E+002	1.618E+002	1.724E+002
11	1.466E+002	1.565E+002	1.665E+002
12	1.420E+002	1.514E+002	1.609E+002
13	1.375E+002	1.464E+002	1.555E+002
14	1.332E+002	1.417E+002	1.504E+002
15	1.290E+002	1.371E+002	1.454E+002
16	1.250E+002	1.328E+002	1.406E+002
17	1.212E+002	1.286E+002	1.360E+002
18	1.175E+002	1.245E+002	1.316E+002
19	1.139E+002	1.206E+002	1.273E+002
20	1.105E+002	1.168E+002	1.233E+002
21	1.071E+002	1.132E+002	1.193E+002
22	1.039E+002	1.097E+002	1.155E+002
23	1.009E+002	1.064E+002	1.119E+002
24	9.787E+001	1.031E+002	1.084E+002
25	9.500E+001	1.000E+002	1.050E+002
26	9.206E+001	9.699E+001	1.019E+002
27	8.922E+001	9.409E+001	9.898E+001
28	8.649E+001	9.129E+001	9.612E+001
29	8.385E+001	8.859E+001	9.336E+001
30	8.132E+001	8.599E+001	9.070E+001
31	7.887E+001	8.347E+001	8.813E+001
32	7.651E+001	8.105E+001	8.564E+001
33	7.423E+001	7.870E+001	8.324E+001
34	7.203E+001	7.644E+001	8.092E+001
35	6.991E+001	7.426E+001	7.867E+001
36	6.787E+001	7.215E+001	7.650E+001
37	6.589E+001	7.011E+001	7.440E+001
38	6.399E+001	6.814E+001	7.237E+001
39	6.214E+001	6.623E+001	7.041E+001
40	6.037E+001	6.439E+001	6.851E+001

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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	6.037E+001	6.439E+001	6.851E+001
41	5.865E+001	6.261E+001	6.667E+001
42	5.698E+001	6.089E+001	6.489E+001
43	5.538E+001	5.922E+001	6.317E+001
44	5.383E+001	5.761E+001	6.150E+001
45	5.233E+001	5.605E+001	5.989E+001
46	5.088E+001	5.454E+001	5.832E+001
47	4.948E+001	5.309E+001	5.681E+001
48	4.813E+001	5.168E+001	5.535E+001
49	4.682E+001	5.031E+001	5.393E+001
50	4.555E+001	4.899E+001	5.255E+001
51	4.433E+001	4.771E+001	5.122E+001
52	4.315E+001	4.648E+001	4.994E+001
53	4.201E+001	4.528E+001	4.869E+001
54	4.090E+001	4.412E+001	4.748E+001
55	3.983E+001	4.300E+001	4.631E+001
56	3.879E+001	4.191E+001	4.517E+001
57	3.779E+001	4.086E+001	4.407E+001
58	3.681E+001	3.983E+001	4.299E+001
59	3.587E+001	3.884E+001	4.196E+001
60	3.495E+001	3.788E+001	4.095E+001
61	3.407E+001	3.694E+001	3.997E+001
62	3.321E+001	3.604E+001	3.901E+001
63	3.237E+001	3.516E+001	3.809E+001
64	3.156E+001	3.430E+001	3.719E+001
65	3.078E+001	3.348E+001	3.632E+001
66	3.002E+001	3.267E+001	3.547E+001
67	2.928E+001	3.189E+001	3.465E+001
68	2.857E+001	3.114E+001	3.385E+001
69	2.787E+001	3.040E+001	3.308E+001
70	2.720E+001	2.969E+001	3.233E+001
71	2.655E+001	2.900E+001	3.160E+001
72	2.592E+001	2.833E+001	3.089E+001
73	2.530E+001	2.768E+001	3.020E+001
74	2.471E+001	2.704E+001	2.953E+001
75	2.413E+001	2.643E+001	2.887E+001
76	2.357E+001	2.583E+001	2.824E+001
77	2.302E+001	2.525E+001	2.762E+001
78	2.249E+001	2.468E+001	2.702E+001
79	2.197E+001	2.413E+001	2.643E+001
80	2.147E+001	2.359E+001	2.586E+001

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	2.147E+001	2.359E+001	2.586E+001
81	2.097E+001	2.306E+001	2.530E+001
82	2.049E+001	2.255E+001	2.476E+001
83	2.003E+001	2.206E+001	2.423E+001
84	1.958E+001	2.157E+001	2.371E+001
85	1.914E+001	2.110E+001	2.321E+001
86	1.871E+001	2.064E+001	2.272E+001
87	1.830E+001	2.020E+001	2.224E+001
88	1.789E+001	1.977E+001	2.178E+001
89	1.750E+001	1.935E+001	2.133E+001
90	1.712E+001	1.894E+001	2.089E+001
91	1.675E+001	1.854E+001	2.047E+001
92	1.639E+001	1.815E+001	2.005E+001
93	1.604E+001	1.777E+001	1.965E+001
94	1.570E+001	1.741E+001	1.925E+001
95	1.537E+001	1.705E+001	1.887E+001
96	1.504E+001	1.670E+001	1.849E+001
97	1.473E+001	1.636E+001	1.813E+001
98	1.442E+001	1.603E+001	1.777E+001
99	1.412E+001	1.571E+001	1.742E+001
100	1.383E+001	1.539E+001	1.708E+001
101	1.355E+001	1.508E+001	1.675E+001
102	1.327E+001	1.478E+001	1.643E+001
103	1.300E+001	1.449E+001	1.612E+001
104	1.274E+001	1.421E+001	1.581E+001
105	1.248E+001	1.393E+001	1.551E+001
106	1.223E+001	1.366E+001	1.521E+001
107	1.199E+001	1.339E+001	1.493E+001
108	1.175E+001	1.314E+001	1.465E+001
109	1.152E+001	1.288E+001	1.438E+001
110	1.129E+001	1.264E+001	1.411E+001
111	1.107E+001	1.240E+001	1.385E+001
112	1.085E+001	1.216E+001	1.359E+001
113	1.064E+001	1.193E+001	1.335E+001
114	1.044E+001	1.171E+001	1.310E+001
115	1.024E+001	1.149E+001	1.287E+001
116	1.004E+001	1.128E+001	1.263E+001
117	9.852E+000	1.107E+001	1.241E+001
118	9.666E+000	1.087E+001	1.219E+001
119	9.484E+000	1.067E+001	1.197E+001
120	9.306E+000	1.047E+001	1.176E+001
121	9.133E+000	1.028E+001	1.155E+001
122	8.963E+000	1.010E+001	1.135E+001
123	8.798E+000	9.917E+000	1.115E+001
124	8.636E+000	9.740E+000	1.096E+001
125	8.478E+000	9.566E+000	1.077E+001