NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TN05-3V223J [R,B]

RESISTANCE(at25℃)	22000 Ω	R-TOLERANCE(±)	5 %
B-VALUE(25/50℃)	3900 K	B-TOLERANCE(±)	3 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	5.860E+005	6.881E+005	8.061E+005
-39	5.546E+005	6.499E+005	7.596E+005
-38	5.247E+005	6.136E+005	7.157E+005
-37	4.964E+005	5.793E+005	6.742E+005
-36	4.696E+005	5.468E+005	6.351E+005
-35	4.441E+005	5.161E+005	5.982E+005
-34	4.200E+005	4.870E+005	5.633E+005
-33	3.971E+005	4.596E+005	5.305E+005
-32	3.754E+005	4.336E+005	4.995E+005
-31	3.549E+005	4.091E+005	4.704E+005
-30	3.355E+005	3.860E+005	4.429E+005
-29	3.171E+005	3.641E+005	4.169E+005
-28	2.997E+005	3.434E+005	3.925E+005
-27	2.833E+005	3.240E+005	3.696E+005
-26	2.678E+005	3.056E+005	3.480E+005
-25	2.531E+005	2.884E+005	3.277E+005
-24	2.393E+005	2.721E+005	3.086E+005
-23	2.262E+005	2.568E+005	2.907E+005
-22	2.139E+005	2.424E+005	2.739E+005
-21	2.023E+005	2.288E+005	2.580E+005
-20	1.913E+005	2.160E+005	2.431E+005
-19	1.809E+005	2.038E+005	2.290E+005
-18	1.710E+005	1.923E+005	2.158E+005
-17	1.618E+005	1.816E+005	2.034E+005
-16	1.531E+005	1.715E+005	1.917E+005
-15	1.449E+005	1.621E+005	1.808E+005
-14	1.372E+005	1.532E+005	1.706E+005
-13	1.299E+005	1.449E+005	1.611E+005
-12	1.231E+005	1.370E+005	1.521E+005
-11	1.167E+005	1.296E+005	1.437E+005
-10	1.106E+005	1.227E+005	1.358E+005
-9	1.049E+005	1.162E+005	1.283E+005
-8	9.956E+004	1.100E+005	1.213E+005
-7	9.448E+004	1.043E+005	1.148E+005
-6	8.970E+004	9.882E+004	1.086E+005
-5	8.519E+004	9.370E+004	1.028E+005
-4	8.093E+004	8.887E+004	9.734E+004
-3	7.691E+004	8.432E+004	9.221E+004
-2	7.312E+004	8.003E+004	8.738E+004
-1	6.953E+004	7.599E+004	8.283E+004
0	6.614E+004	7.217E+004	7.855E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	6.614E+004	7.217E+004	7.855E+004
1	6.295E+004	6.858E+004	7.452E+004
2	5.992E+004	6.518E+004	7.072E+004
3	5.706E+004	6.197E+004	6.713E+004
4	5.435E+004	5.893E+004	6.375E+004
5	5.178E+004	5.607E+004	6.055E+004
6	4.935E+004	5.335E+004	5.754E+004
7	4.705E+004	5.079E+004	5.469E+004
8	4.486E+004	4.836E+004	5.199E+004
9	4.279E+004	4.606E+004	4.945E+004
10	4.083E+004	4.388E+004	4.704E+004
11	3.897E+004	4.182E+004	4.477E+004
12	3.720E+004	3.987E+004	4.262E+004
13	3.553E+004	3.802E+004	4.058E+004
14	3.394E+004	3.626E+004	3.865E+004
15	3.243E+004	3.460E+004	3.683E+004
16	3.099E+004	3.303E+004	3.510E+004
17	2.963E+004	3.153E+004	3.347E+004
18	2.834E+004	3.011E+004	3.192E+004
19	2.711E+004	2.877E+004	3.045E+004
20	2.594E+004	2.749E+004	2.906E+004
21	2.483E+004	2.628E+004	2.774E+004
22	2.377E+004	2.512E+004	2.649E+004
23	2.277E+004	2.403E+004	2.530E+004
24	2.181E+004	2.299E+004	2.417E+004
25	2.090E+004	2.200E+004	2.310E+004
26	1.998E+004	2.106E+004	2.214E+004
27	1.911E+004	2.017E+004	2.123E+004
28	1.828E+004	1.931E+004	2.036E+004
29	1.749E+004	1.850E+004	1.953E+004
30	1.674E+004	1.773E+004	1.874E+004
31	1.602E+004	1.700E+004	1.799E+004
32	1.535E+004	1.630E+004	1.727E+004
33	1.470E+004	1.563E+004	1.658E+004
34	1.408E+004	1.500E+004	1.593E+004
35	1.350E+004	1.439E+004	1.530E+004
36	1.294E+004	1.381E+004	1.471E+004
37	1.241E+004	1.326E+004	1.414E+004
38	1.190E+004	1.274E+004	1.360E+004
39	1.142E+004	1.224E+004	1.308E+004
40	1.096E+004	1.176E+004	1.258E+004

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T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	1.096E+004	1.176E+004	1.258E+004
41	1.052E+004	1.130E+004	1.210E+004
42	1.010E+004	1.086E+004	1.165E+004
43	9.705E+003	1.045E+004	1.122E+004
44	9.324E+003	1.005E+004	1.080E+004
45	8.960E+003	9.668E+003	1.040E+004
46	8.613E+003	9.303E+003	1.002E+004
47	8.281E+003	8.955E+003	9.660E+003
48	7.963E+003	8.621E+003	9.311E+003
49	7.660E+003	8.302E+003	8.976E+003
50	7.370E+003	7.997E+003	8.656E+003
51	7.092E+003	7.704E+003	8.348E+003
52	6.827E+003	7.424E+003	8.053E+003
53	6.573E+003	7.156E+003	7.771E+003
54	6.329E+003	6.898E+003	7.500E+003
55	6.097E+003	6.652E+003	7.240E+003
56	5.874E+003	6.416E+003	6.990E+003
57	5.661E+003	6.190E+003	6.751E+003
58	5.456E+003	5.973E+003	6.521E+003
59	5.261E+003	5.764E+003	6.301E+003
60	5.073E+003	5.565E+003	6.089E+003
61	4.894E+003	5.374E+003	5.886E+003
62	4.722E+003	5.190E+003	5.691E+003
63	4.557E+003	5.014E+003	5.503E+003
64	4.398E+003	4.845E+003	5.323E+003
65	4.246E+003	4.682E+003	5.150E+003
66	4.101E+003	4.526E+003	4.983E+003
67	3.960E+003	4.376E+003	4.823E+003
68	3.826E+003	4.232E+003	4.669E+003
69	3.697E+003	4.093E+003	4.520E+003
70	3.573E+003	3.959E+003	4.377E+003
71	3.454E+003	3.831E+003	4.239E+003
72	3.339E+003	3.708E+003	4.107E+003
73	3.229E+003	3.589E+003	3.979E+003
74	3.123E+003	3.474E+003	3.856E+003
75	3.021E+003	3.364E+003	3.737E+003
76	2.923E+003	3.258E+003	3.623E+003
77	2.828E+003	3.156E+003	3.513E+003
78	2.738E+003	3.058E+003	3.406E+003
79	2.650E+003	2.963E+003	3.304E+003
80	2.566E+003	2.872E+003	3.205E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	2.566E+003	2.872E+003	3.205E+003
81	2.485E+003	2.783E+003	3.110E+003
82	2.407E+003	2.699E+003	3.018E+003
83	2.332E+003	2.617E+003	2.929E+003
84	2.260E+003	2.538E+003	2.843E+003
85	2.190E+003	2.462E+003	2.760E+003
86	2.123E+003	2.388E+003	2.681E+003
87	2.058E+003	2.318E+003	2.604E+003
88	1.996E+003	2.250E+003	2.529E+003
89	1.936E+003	2.184E+003	2.458E+003
90	1.878E+003	2.120E+003	2.388E+003
91	1.822E+003	2.059E+003	2.322E+003
92	1.768E+003	2.001E+003	2.257E+003
93	1.717E+003	1.944E+003	2.195E+003
94	1.667E+003	1.889E+003	2.135E+003
95	1.618E+003	1.835E+003	2.077E+003
96	1.572E+003	1.784E+003	2.020E+003
97	1.527E+003	1.734E+003	1.966E+003
98	1.483E+003	1.686E+003	1.913E+003
99	1.441E+003	1.640E+003	1.861E+003
100	1.400E+003	1.595E+003	1.812E+003
101	1.360E+003	1.551E+003	1.764E+003
102	1.322E+003	1.509E+003	1.717E+003
103	1.285E+003	1.468E+003	1.672E+003
104	1.249E+003	1.428E+003	1.628E+003
105	1.215E+003	1.390E+003	1.585E+003
106	1.181E+003	1.352E+003	1.544E+003
107	1.149E+003	1.317E+003	1.504E+003
108	1.118E+003	1.282E+003	1.466E+003
109	1.088E+003	1.248E+003	1.429E+003
110	1.058E+003	1.215E+003	1.392E+003
111	1.030E+003	1.184E+003	1.357E+003
112	1.003E+003	1.153E+003	1.323E+003
113	9.761E+002	1.124E+003	1.290E+003
114	9.504E+002	1.095E+003	1.258E+003
115	9.255E+002	1.067E+003	1.227E+003
116	9.014E+002	1.040E+003	1.197E+003
117	8.781E+002	1.014E+003	1.168E+003
118	8.555E+002	9.886E+002	1.140E+003
119	8.336E+002	9.640E+002	1.112E+003
120	8.124E+002	9.402E+002	1.085E+003
121	7.919E+002	9.171E+002	1.060E+003
122	7.720E+002	8.948E+002	1.035E+003
123	7.527E+002	8.731E+002	1.010E+003
124	7.340E+002	8.520E+002	9.865E+002
125	7.159E+002	8.316E+002	9.636E+002