NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH11-3T223F[T,B]

RESISTANCE(at25℃)	22000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	3820 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	5.432E+005	5.686E+005	5.952E+005
-39	5.133E+005	5.370E+005	5.617E+005
-38	4.853E+005	5.073E+005	5.303E+005
-37	4.590E+005	4.795E+005	5.009E+005
-36	4.344E+005	4.534E+005	4.733E+005
-35	4.111E+005	4.289E+005	4.474E+005
-34	3.893E+005	4.059E+005	4.231E+005
-33	3.688E+005	3.842E+005	4.003E+005
-32	3.495E+005	3.639E+005	3.788E+005
-31	3.313E+005	3.447E+005	3.586E+005
-30	3.141E+005	3.266E+005	3.396E+005
-29	2.985E+005	3.102E+005	3.223E+005
-28	2.836E+005	2.945E+005	3.058E+005
-27	2.694E+005	2.796E+005	2.901E+005
-26	2.559E+005	2.654E+005	2.752E+005
-25	2.430E+005	2.519E+005	2.610E+005
-24	2.308E+005	2.390E+005	2.476E+005
-23	2.191E+005	2.269E+005	2.348E+005
-22	2.081E+005	2.153E+005	2.227E+005
-21	1.976E+005	2.043E+005	2.112E+005
-20	1.876E+005	1.939E+005	2.003E+005
-19	1.781E+005	1.839E+005	1.899E+005
-18	1.691E+005	1.745E+005	1.801E+005
-17	1.605E+005	1.656E+005	1.708E+005
-16	1.524E+005	1.571E+005	1.620E+005
-15	1.447E+005	1.491E+005	1.537E+005
-14	1.375E+005	1.416E+005	1.458E+005
-13	1.306E+005	1.344E+005	1.383E+005
-12	1.241E+005	1.276E+005	1.312E+005
-11	1.179E+005	1.212E+005	1.246E+005
-10	1.120E+005	1.151E+005	1.182E+005
-9	1.064E+005	1.093E+005	1.122E+005
-8	1.011E+005	1.038E+005	1.065E+005
-7	9.614E+004	9.862E+004	1.011E+005
-6	9.141E+004	9.372E+004	9.607E+004
-5	8.694E+004	8.909E+004	9.128E+004
-4	8.271E+004	8.471E+004	8.674E+004
-3	7.870E+004	8.056E+004	8.245E+004
-2	7.491E+004	7.664E+004	7.840E+004
-1	7.132E+004	7.293E+004	7.456E+004
0	6.792E+004	6.941E+004	7.093E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	6.792E+004	6.941E+004	7.093E+004
1	6.469E+004	6.608E+004	6.750E+004
2	6.164E+004	6.293E+004	6.424E+004
3	5.874E+004	5.994E+004	6.116E+004
4	5.600E+004	5.711E+004	5.825E+004
5	5.340E+004	5.443E+004	5.549E+004
6	5.093E+004	5.189E+004	5.287E+004
7	4.859E+004	4.948E+004	5.039E+004
8	4.636E+004	4.720E+004	4.804E+004
9	4.426E+004	4.503E+004	4.581E+004
10	4.225E+004	4.297E+004	4.370E+004
11	4.035E+004	4.102E+004	4.169E+004
12	3.855E+004	3.916E+004	3.979E+004
13	3.683E+004	3.740E+004	3.798E+004
14	3.520E+004	3.573E+004	3.627E+004
15	3.366E+004	3.415E+004	3.464E+004
16	3.218E+004	3.264E+004	3.310E+004
17	3.079E+004	3.121E+004	3.163E+004
18	2.946E+004	2.984E+004	3.024E+004
19	2.819E+004	2.855E+004	2.891E+004
20	2.699E+004	2.732E+004	2.765E+004
21	2.584E+004	2.615E+004	2.645E+004
22	2.475E+004	2.503E+004	2.532E+004
23	2.371E+004	2.397E+004	2.423E+004
24	2.272E+004	2.296E+004	2.320E+004
25	2.178E+004	2.200E+004	2.222E+004
26	2.086E+004	2.108E+004	2.130E+004
27	1.999E+004	2.021E+004	2.043E+004
28	1.916E+004	1.938E+004	1.960E+004
29	1.837E+004	1.859E+004	1.880E+004
30	1.761E+004	1.783E+004	1.805E+004
31	1.690E+004	1.711E+004	1.732E+004
32	1.621E+004	1.642E+004	1.663E+004
33	1.556E+004	1.576E+004	1.598E+004
34	1.493E+004	1.514E+004	1.535E+004
35	1.434E+004	1.454E+004	1.475E+004
36	1.377E+004	1.397E+004	1.417E+004
37	1.322E+004	1.342E+004	1.363E+004
38	1.271E+004	1.290E+004	1.310E+004
39	1.221E+004	1.240E+004	1.260E+004
40	1.174E+004	1.193E+004	1.212E+004

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH11-3T223F[T,B]

RESISTANCE(at25℃)	22000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	3820 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	1.174E+004	1.193E+004	1.212E+004
41	1.128E+004	1.147E+004	1.166E+004
42	1.085E+004	1.104E+004	1.123E+004
43	1.044E+004	1.062E+004	1.081E+004
44	1.004E+004	1.022E+004	1.040E+004
45	9.665E+003	9.842E+003	1.002E+004
46	9.303E+003	9.477E+003	9.653E+003
47	8.957E+003	9.127E+003	9.300E+003
48	8.625E+003	8.793E+003	8.962E+003
49	8.308E+003	8.472E+003	8.639E+003
50	8.003E+003	8.165E+003	8.329E+003
51	7.712E+003	7.870E+003	8.031E+003
52	7.432E+003	7.588E+003	7.746E+003
53	7.165E+003	7.317E+003	7.472E+003
54	6.908E+003	7.057E+003	7.209E+003
55	6.662E+003	6.809E+003	6.958E+003
56	6.426E+003	6.570E+003	6.716E+003
57	6.200E+003	6.341E+003	6.484E+003
58	5.983E+003	6.121E+003	6.262E+003
59	5.775E+003	5.910E+003	6.048E+003
60	5.575E+003	5.708E+003	5.843E+003
61	5.384E+003	5.514E+003	5.646E+003
62	5.200E+003	5.327E+003	5.457E+003
63	5.024E+003	5.148E+003	5.276E+003
64	4.854E+003	4.976E+003	5.101E+003
65	4.691E+003	4.811E+003	4.933E+003
66	4.535E+003	4.652E+003	4.772E+003
67	4.384E+003	4.499E+003	4.616E+003
68	4.239E+003	4.352E+003	4.467E+003
69	4.100E+003	4.210E+003	4.323E+003
70	3.966E+003	4.074E+003	4.185E+003
71	3.837E+003	3.943E+003	4.051E+003
72	3.713E+003	3.817E+003	3.923E+003
73	3.594E+003	3.696E+003	3.799E+003
74	3.479E+003	3.579E+003	3.680E+003
75	3.369E+003	3.466E+003	3.566E+003
76	3.262E+003	3.357E+003	3.455E+003
77	3.160E+003	3.253E+003	3.349E+003
78	3.061E+003	3.152E+003	3.246E+003
79	2.966E+003	3.055E+003	3.147E+003
80	2.874E+003	2.962E+003	3.051E+003

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	2.874E+003	2.962E+003	3.051E+003
81	2.786E+003	2.871E+003	2.959E+003
82	2.700E+003	2.784E+003	2.871E+003
83	2.618E+003	2.700E+003	2.785E+003
84	2.539E+003	2.620E+003	2.702E+003
85	2.463E+003	2.541E+003	2.623E+003
86	2.389E+003	2.466E+003	2.546E+003
87	2.318E+003	2.393E+003	2.471E+003
88	2.249E+003	2.323E+003	2.400E+003
89	2.183E+003	2.256E+003	2.330E+003
90	2.119E+003	2.190E+003	2.263E+003
91	2.057E+003	2.127E+003	2.199E+003
92	1.998E+003	2.066E+003	2.136E+003
93	1.940E+003	2.007E+003	2.076E+003
94	1.885E+003	1.950E+003	2.018E+003
95	1.831E+003	1.895E+003	1.961E+003
96	1.779E+003	1.842E+003	1.907E+003
97	1.729E+003	1.790E+003	1.854E+003
98	1.680E+003	1.741E+003	1.803E+003
99	1.633E+003	1.693E+003	1.754E+003
100	1.588E+003	1.646E+003	1.706E+003
101	1.544E+003	1.601E+003	1.660E+003
102	1.502E+003	1.557E+003	1.615E+003
103	1.461E+003	1.515E+003	1.572E+003
104	1.421E+003	1.474E+003	1.530E+003
105	1.382E+003	1.435E+003	1.489E+003
106	1.345E+003	1.396E+003	1.450E+003
107	1.309E+003	1.359E+003	1.411E+003
108	1.274E+003	1.323E+003	1.375E+003
109	1.240E+003	1.289E+003	1.339E+003
110	1.208E+003	1.255E+003	1.304E+003
111	1.176E+003	1.222E+003	1.270E+003
112	1.145E+003	1.191E+003	1.238E+003
113	1.115E+003	1.160E+003	1.206E+003
114	1.086E+003	1.130E+003	1.176E+003
115	1.058E+003	1.101E+003	1.146E+003
116	1.031E+003	1.073E+003	1.117E+003
117	1.005E+003	1.046E+003	1.089E+003
118	9.794E+002	1.020E+003	1.062E+003
119	9.546E+002	9.944E+002	1.036E+003
120	9.307E+002	9.696E+002	1.010E+003
121	9.074E+002	9.456E+002	9.854E+002
122	8.849E+002	9.224E+002	9.613E+002
123	8.630E+002	8.998E+002	9.380E+002
124	8.417E+002	8.778E+002	9.154E+002
125	8.211E+002	8.566E+002	8.934E+002