NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH11-3S224F[T,B]

RESISTANCE(at25℃)	220000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	3760 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
-40	5.743E+006	6.009E+006	6.286E+006
-39	5.402E+006	5.648E+006	5.905E+006
-38	5.084E+006	5.312E+006	5.549E+006
-37	4.786E+006	4.997E+006	5.217E+006
-36	4.508E+006	4.704E+006	4.908E+006
-35	4.248E+006	4.430E+006	4.618E+006
-34	4.005E+006	4.173E+006	4.348E+006
-33	3.777E+006	3.933E+006	4.095E+006
-32	3.564E+006	3.709E+006	3.859E+006
-31	3.364E+006	3.498E+006	3.638E+006
-30	3.176E+006	3.301E+006	3.431E+006
-29	3.002E+006	3.118E+006	3.238E+006
-28	2.838E+006	2.946E+006	3.057E+006
-27	2.683E+006	2.783E+006	2.887E+006
-26	2.538E+006	2.631E+006	2.728E+006
-25	2.401E+006	2.488E+006	2.577E+006
-24	2.272E+006	2.353E+006	2.436E+006
-23	2.151E+006	2.226E+006	2.304E+006
-22	2.037E+006	2.107E+006	2.179E+006
-21	1.930E+006	1.994E+006	2.061E+006
-20	1.828E+006	1.889E+006	1.951E+006
-19	1.732E+006	1.788E+006	1.846E+006
-18	1.642E+006	1.694E+006	1.748E+006
-17	1.557E+006	1.605E+006	1.655E+006
-16	1.477E+006	1.522E+006	1.568E+006
-15	1.401E+006	1.443E+006	1.486E+006
-14	1.330E+006	1.369E+006	1.409E+006
-13	1.263E+006	1.299E+006	1.337E+006
-12	1.199E+006	1.233E+006	1.268E+006
-11	1.140E+006	1.171E+006	1.203E+006
-10	1.083E+006	1.112E+006	1.143E+006
-9	1.030E+006	1.057E+006	1.085E+006
-8	9.792E+005	1.005E+006	1.031E+006
-7	9.315E+005	9.553E+005	9.796E+005
-6	8.864E+005	9.086E+005	9.312E+005
-5	8.438E+005	8.644E+005	8.854E+005
-4	8.034E+005	8.226E+005	8.422E+005
-3	7.652E+005	7.831E+005	8.013E+005
-2	7.290E+005	7.456E+005	7.626E+005
-1	6.947E+005	7.102E+005	7.260E+005
0	6.622E+005	6.767E+005	6.914E+005

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
0	6.622E+005	6.767E+005	6.914E+005
1	6.314E+005	6.448E+005	6.585E+005
2	6.022E+005	6.147E+005	6.274E+005
3	5.745E+005	5.862E+005	5.980E+005
4	5.482E+005	5.591E+005	5.701E+005
5	5.233E+005	5.334E+005	5.437E+005
6	4.997E+005	5.091E+005	5.186E+005
7	4.772E+005	4.860E+005	4.948E+005
8	4.559E+005	4.640E+005	4.723E+005
9	4.356E+005	4.432E+005	4.508E+005
10	4.164E+005	4.234E+005	4.305E+005
11	3.981E+005	4.047E+005	4.113E+005
12	3.808E+005	3.868E+005	3.929E+005
13	3.642E+005	3.698E+005	3.755E+005
14	3.485E+005	3.537E+005	3.590E+005
15	3.335E+005	3.384E+005	3.432E+005
16	3.193E+005	3.238E+005	3.283E+005
17	3.057E+005	3.099E+005	3.140E+005
18	2.928E+005	2.966E+005	3.005E+005
19	2.804E+005	2.840E+005	2.876E+005
20	2.687E+005	2.720E+005	2.753E+005
21	2.575E+005	2.606E+005	2.636E+005
22	2.469E+005	2.497E+005	2.525E+005
23	2.367E+005	2.393E+005	2.419E+005
24	2.270E+005	2.294E+005	2.318E+005
25	2.178E+005	2.200E+005	2.222E+005
26	2.088E+005	2.110E+005	2.132E+005
27	2.002E+005	2.024E+005	2.046E+005
28	1.921E+005	1.943E+005	1.964E+005
29	1.843E+005	1.865E+005	1.886E+005
30	1.768E+005	1.790E+005	1.812E+005
31	1.698E+005	1.719E+005	1.740E+005
32	1.630E+005	1.651E+005	1.672E+005
33	1.565E+005	1.586E+005	1.607E+005
34	1.503E+005	1.524E+005	1.545E+005
35	1.444E+005	1.465E+005	1.486E+005
36	1.388E+005	1.408E+005	1.429E+005
37	1.334E+005	1.354E+005	1.375E+005
38	1.283E+005	1.303E+005	1.323E+005
39	1.234E+005	1.253E+005	1.273E+005
40	1.187E+005	1.206E+005	1.225E+005

NTC THERMISTOR R-T CHARACTERISTICS

TYPE	TH11-3S224F[T,B]

RESISTANCE(at25℃)	220000 Ω	R-TOLERANCE(±)	1 %
B-VALUE(25/50℃)	3760 K	B-TOLERANCE(±)	1 %

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
40	1.187E+005	1.206E+005	1.225E+005
41	1.141E+005	1.160E+005	1.180E+005
42	1.098E+005	1.117E+005	1.136E+005
43	1.057E+005	1.075E+005	1.094E+005
44	1.017E+005	1.036E+005	1.054E+005
45	9.797E+004	9.974E+004	1.015E+005
46	9.434E+004	9.609E+004	9.786E+004
47	9.087E+004	9.259E+004	9.433E+004
48	8.754E+004	8.923E+004	9.094E+004
49	8.436E+004	8.601E+004	8.769E+004
50	8.130E+004	8.293E+004	8.458E+004
51	7.838E+004	7.997E+004	8.159E+004
52	7.557E+004	7.714E+004	7.873E+004
53	7.288E+004	7.441E+004	7.598E+004
54	7.029E+004	7.180E+004	7.333E+004
55	6.781E+004	6.929E+004	7.080E+004
56	6.544E+004	6.689E+004	6.836E+004
57	6.315E+004	6.458E+004	6.602E+004
58	6.096E+004	6.236E+004	6.378E+004
59	5.886E+004	6.022E+004	6.162E+004
60	5.683E+004	5.817E+004	5.954E+004
61	5.489E+004	5.620E+004	5.754E+004
62	5.302E+004	5.431E+004	5.562E+004
63	5.123E+004	5.249E+004	5.378E+004
64	4.951E+004	5.074E+004	5.200E+004
65	4.785E+004	4.906E+004	5.029E+004
66	4.626E+004	4.744E+004	4.865E+004
67	4.472E+004	4.588E+004	4.707E+004
68	4.325E+004	4.439E+004	4.555E+004
69	4.183E+004	4.294E+004	4.408E+004
70	4.047E+004	4.156E+004	4.267E+004
71	3.916E+004	4.022E+004	4.132E+004
72	3.789E+004	3.894E+004	4.001E+004
73	3.668E+004	3.770E+004	3.875E+004
74	3.550E+004	3.651E+004	3.753E+004
75	3.438E+004	3.536E+004	3.637E+004
76	3.329E+004	3.425E+004	3.524E+004
77	3.224E+004	3.319E+004	3.415E+004
78	3.123E+004	3.216E+004	3.310E+004
79	3.026E+004	3.117E+004	3.209E+004
80	2.933E+004	3.021E+004	3.112E+004

T(℃)	Rmin(Ω)	Rnom(Ω)	Rmax(Ω)
80	2.933E+004	3.021E+004	3.112E+004
81	2.842E+004	2.929E+004	3.018E+004
82	2.755E+004	2.840E+004	2.927E+004
83	2.671E+004	2.754E+004	2.840E+004
84	2.590E+004	2.672E+004	2.755E+004
85	2.512E+004	2.592E+004	2.674E+004
86	2.437E+004	2.515E+004	2.595E+004
87	2.364E+004	2.440E+004	2.519E+004
88	2.293E+004	2.368E+004	2.445E+004
89	2.225E+004	2.299E+004	2.374E+004
90	2.160E+004	2.231E+004	2.305E+004
91	2.096E+004	2.166E+004	2.238E+004
92	2.035E+004	2.103E+004	2.174E+004
93	1.975E+004	2.042E+004	2.112E+004
94	1.918E+004	1.984E+004	2.052E+004
95	1.862E+004	1.927E+004	1.993E+004
96	1.809E+004	1.872E+004	1.937E+004
97	1.757E+004	1.819E+004	1.883E+004
98	1.707E+004	1.767E+004	1.830E+004
99	1.658E+004	1.718E+004	1.779E+004
100	1.611E+004	1.669E+004	1.729E+004
101	1.566E+004	1.623E+004	1.682E+004
102	1.522E+004	1.578E+004	1.635E+004
103	1.480E+004	1.534E+004	1.591E+004
104	1.439E+004	1.492E+004	1.547E+004
105	1.399E+004	1.451E+004	1.505E+004
106	1.360E+004	1.412E+004	1.465E+004
107	1.323E+004	1.373E+004	1.425E+004
108	1.287E+004	1.336E+004	1.387E+004
109	1.252E+004	1.300E+004	1.350E+004
110	1.218E+004	1.265E+004	1.314E+004
111	1.185E+004	1.231E+004	1.279E+004
112	1.153E+004	1.199E+004	1.246E+004
113	1.122E+004	1.167E+004	1.213E+004
114	1.093E+004	1.136E+004	1.181E+004
115	1.064E+004	1.106E+004	1.150E+004
116	1.036E+004	1.077E+004	1.121E+004
117	1.008E+004	1.049E+004	1.092E+004
118	9.821E+003	1.022E+004	1.064E+004
119	9.566E+003	9.959E+003	1.037E+004
120	9.319E+003	9.704E+003	1.010E+004
121	9.079E+003	9.457E+003	9.850E+003
122	8.847E+003	9.218E+003	9.603E+003
123	8.623E+003	8.986E+003	9.363E+003
124	8.404E+003	8.761E+003	9.131E+003
125	8.193E+003	8.542E+003	8.905E+003