

NTC THERMISTOR R-T CHARACTERISTICS

TYPE TH05-3I103F [R, B]

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|---------------------|---------|-----------------|-----|
| RESISTANCE (at25°C) | 10000 Ω | R-TOLERANCE (±) | 1 % |
| B-VALUE (25/50°C) | 3380 K | B-TOLERANCE (±) | 1 % |

| T(°C) | Rmin(Ω) | Rnom(Ω) | Rmax(Ω) |
|-------|-----------|-----------|-----------|
| -40 | 1.677E+05 | 1.748E+05 | 1.823E+05 |
| -39 | 1.590E+05 | 1.657E+05 | 1.726E+05 |
| -38 | 1.509E+05 | 1.571E+05 | 1.636E+05 |
| -37 | 1.432E+05 | 1.490E+05 | 1.551E+05 |
| -36 | 1.360E+05 | 1.415E+05 | 1.471E+05 |
| -35 | 1.293E+05 | 1.343E+05 | 1.396E+05 |
| -34 | 1.229E+05 | 1.276E+05 | 1.326E+05 |
| -33 | 1.169E+05 | 1.213E+05 | 1.259E+05 |
| -32 | 1.112E+05 | 1.154E+05 | 1.197E+05 |
| -31 | 1.059E+05 | 1.098E+05 | 1.138E+05 |
| -30 | 1.008E+05 | 1.045E+05 | 1.083E+05 |
| -29 | 9.610E+04 | 9.954E+04 | 1.031E+05 |
| -28 | 9.162E+04 | 9.485E+04 | 9.817E+04 |
| -27 | 8.738E+04 | 9.040E+04 | 9.352E+04 |
| -26 | 8.336E+04 | 8.620E+04 | 8.912E+04 |
| -25 | 7.955E+04 | 8.221E+04 | 8.495E+04 |
| -24 | 7.594E+04 | 7.844E+04 | 8.101E+04 |
| -23 | 7.251E+04 | 7.486E+04 | 7.727E+04 |
| -22 | 6.926E+04 | 7.146E+04 | 7.372E+04 |
| -21 | 6.617E+04 | 6.824E+04 | 7.036E+04 |
| -20 | 6.324E+04 | 6.517E+04 | 6.717E+04 |
| -19 | 6.047E+04 | 6.229E+04 | 6.416E+04 |
| -18 | 5.783E+04 | 5.954E+04 | 6.130E+04 |
| -17 | 5.532E+04 | 5.693E+04 | 5.858E+04 |
| -16 | 5.293E+04 | 5.444E+04 | 5.598E+04 |
| -15 | 5.064E+04 | 5.206E+04 | 5.351E+04 |
| -14 | 4.847E+04 | 4.980E+04 | 5.116E+04 |
| -13 | 4.639E+04 | 4.764E+04 | 4.892E+04 |
| -12 | 4.441E+04 | 4.559E+04 | 4.679E+04 |
| -11 | 4.252E+04 | 4.363E+04 | 4.475E+04 |
| -10 | 4.072E+04 | 4.176E+04 | 4.282E+04 |
| -9 | 3.901E+04 | 3.999E+04 | 4.098E+04 |
| -8 | 3.738E+04 | 3.829E+04 | 3.923E+04 |
| -7 | 3.582E+04 | 3.668E+04 | 3.755E+04 |
| -6 | 3.432E+04 | 3.513E+04 | 3.595E+04 |
| -5 | 3.290E+04 | 3.365E+04 | 3.442E+04 |
| -4 | 3.153E+04 | 3.224E+04 | 3.296E+04 |
| -3 | 3.023E+04 | 3.089E+04 | 3.157E+04 |
| -2 | 2.898E+04 | 2.960E+04 | 3.024E+04 |
| -1 | 2.779E+04 | 2.837E+04 | 2.897E+04 |
| 0 | 2.664E+04 | 2.719E+04 | 2.775E+04 |
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| T(°C) | Rmin(Ω) | Rnom(Ω) | Rmax(Ω) |
|-------|-----------|-----------|-----------|
| 0 | 2.664E+04 | 2.719E+04 | 2.775E+04 |
| 1 | 2.555E+04 | 2.606E+04 | 2.659E+04 |
| 2 | 2.450E+04 | 2.499E+04 | 2.548E+04 |
| 3 | 2.351E+04 | 2.396E+04 | 2.442E+04 |
| 4 | 2.255E+04 | 2.298E+04 | 2.341E+04 |
| 5 | 2.164E+04 | 2.204E+04 | 2.244E+04 |
| 6 | 2.077E+04 | 2.115E+04 | 2.152E+04 |
| 7 | 1.994E+04 | 2.029E+04 | 2.065E+04 |
| 8 | 1.915E+04 | 1.948E+04 | 1.981E+04 |
| 9 | 1.839E+04 | 1.870E+04 | 1.901E+04 |
| 10 | 1.767E+04 | 1.795E+04 | 1.824E+04 |
| 11 | 1.698E+04 | 1.724E+04 | 1.751E+04 |
| 12 | 1.631E+04 | 1.656E+04 | 1.682E+04 |
| 13 | 1.568E+04 | 1.591E+04 | 1.615E+04 |
| 14 | 1.508E+04 | 1.529E+04 | 1.551E+04 |
| 15 | 1.450E+04 | 1.470E+04 | 1.491E+04 |
| 16 | 1.394E+04 | 1.413E+04 | 1.432E+04 |
| 17 | 1.341E+04 | 1.359E+04 | 1.377E+04 |
| 18 | 1.290E+04 | 1.307E+04 | 1.323E+04 |
| 19 | 1.242E+04 | 1.257E+04 | 1.273E+04 |
| 20 | 1.195E+04 | 1.209E+04 | 1.224E+04 |
| 21 | 1.150E+04 | 1.164E+04 | 1.177E+04 |
| 22 | 1.108E+04 | 1.120E+04 | 1.133E+04 |
| 23 | 1.067E+04 | 1.078E+04 | 1.090E+04 |
| 24 | 1.028E+04 | 1.038E+04 | 1.049E+04 |
| 25 | 9.900E+03 | 1.000E+04 | 1.010E+04 |
| 26 | 9.533E+03 | 9.633E+03 | 9.733E+03 |
| 27 | 9.181E+03 | 9.280E+03 | 9.380E+03 |
| 28 | 8.844E+03 | 8.943E+03 | 9.043E+03 |
| 29 | 8.520E+03 | 8.619E+03 | 8.719E+03 |
| 30 | 8.211E+03 | 8.309E+03 | 8.408E+03 |
| 31 | 7.914E+03 | 8.012E+03 | 8.110E+03 |
| 32 | 7.630E+03 | 7.727E+03 | 7.824E+03 |
| 33 | 7.357E+03 | 7.453E+03 | 7.550E+03 |
| 34 | 7.095E+03 | 7.191E+03 | 7.287E+03 |
| 35 | 6.844E+03 | 6.939E+03 | 7.034E+03 |
| 36 | 6.604E+03 | 6.697E+03 | 6.791E+03 |
| 37 | 6.372E+03 | 6.465E+03 | 6.558E+03 |
| 38 | 6.151E+03 | 6.242E+03 | 6.335E+03 |
| 39 | 5.938E+03 | 6.028E+03 | 6.120E+03 |
| 40 | 5.734E+03 | 5.823E+03 | 5.913E+03 |
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