# NTC THERMISTOR R-T CHARACTERISTICS

| TYPE | IBS-25 |
|---|---|

| T0(℃) | T1(℃) | T2(℃) |
|---|---|---|
| 50 | 25 | 50 |

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|---|---|---|---|---|---|
| R at T0℃ | 3485 Ω | R+TOLERANCE(%) | 2.5 | R-TOLERANCE(%) | 2.5 |
| B(T1℃/T2℃) | 3423 K | B+TOLERANCE(K) | 34.23 | B-TOLERANCE(K) | 34.23 |

| T(℃) | Rmin(Ω) | Rnom(Ω) | Rmax(Ω) |
|---|---|---|---|
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| | | | |
| -30 | 9.834E+04 | 1.044E+05 | 1.108E+05 |
| -29 | 9.320E+04 | 9.892E+04 | 1.049E+05 |
| -28 | 8.836E+04 | 9.373E+04 | 9.937E+04 |
| -27 | 8.380E+04 | 8.885E+04 | 9.414E+04 |
| -26 | 7.951E+04 | 8.425E+04 | 8.921E+04 |
| -25 | 7.546E+04 | 7.991E+04 | 8.457E+04 |
| -24 | 7.164E+04 | 7.583E+04 | 8.021E+04 |
| -23 | 6.804E+04 | 7.198E+04 | 7.609E+04 |
| -22 | 6.464E+04 | 6.834E+04 | 7.221E+04 |
| -21 | 6.144E+04 | 6.492E+04 | 6.856E+04 |
| -20 | 5.841E+04 | 6.169E+04 | 6.511E+04 |
| -19 | 5.554E+04 | 5.863E+04 | 6.185E+04 |
| -18 | 5.284E+04 | 5.575E+04 | 5.878E+04 |
| -17 | 5.029E+04 | 5.302E+04 | 5.588E+04 |
| -16 | 4.787E+04 | 5.045E+04 | 5.314E+04 |
| -15 | 4.558E+04 | 4.802E+04 | 5.055E+04 |
| -14 | 4.342E+04 | 4.572E+04 | 4.810E+04 |
| -13 | 4.138E+04 | 4.354E+04 | 4.579E+04 |
| -12 | 3.944E+04 | 4.148E+04 | 4.360E+04 |
| -11 | 3.761E+04 | 3.953E+04 | 4.153E+04 |
| -10 | 3.587E+04 | 3.769E+04 | 3.957E+04 |
| -9 | 3.422E+04 | 3.594E+04 | 3.772E+04 |
| -8 | 3.266E+04 | 3.428E+04 | 3.596E+04 |
| -7 | 3.118E+04 | 3.271E+04 | 3.430E+04 |
| -6 | 2.977E+04 | 3.122E+04 | 3.272E+04 |
| -5 | 2.844E+04 | 2.981E+04 | 3.123E+04 |
| -4 | 2.718E+04 | 2.847E+04 | 2.981E+04 |
| -3 | 2.598E+04 | 2.720E+04 | 2.847E+04 |
| -2 | 2.484E+04 | 2.599E+04 | 2.719E+04 |
| -1 | 2.375E+04 | 2.485E+04 | 2.598E+04 |
| 0 | 2.272E+04 | 2.376E+04 | 2.483E+04 |

| T(℃) | Rmin(Ω) | Rnom(Ω) | Rmax(Ω) |
|---|---|---|---|
| 0 | 2.272E+04 | 2.376E+04 | 2.483E+04 |
| 1 | 2.175E+04 | 2.273E+04 | 2.374E+04 |
| 2 | 2.082E+04 | 2.175E+04 | 2.271E+04 |
| 3 | 1.993E+04 | 2.081E+04 | 2.172E+04 |
| 4 | 1.909E+04 | 1.993E+04 | 2.079E+04 |
| 5 | 1.829E+04 | 1.908E+04 | 1.990E+04 |
| 6 | 1.753E+04 | 1.828E+04 | 1.905E+04 |
| 7 | 1.680E+04 | 1.751E+04 | 1.824E+04 |
| 8 | 1.611E+04 | 1.678E+04 | 1.748E+04 |
| 9 | 1.545E+04 | 1.609E+04 | 1.675E+04 |
| 10 | 1.482E+04 | 1.543E+04 | 1.605E+04 |
| 11 | 1.422E+04 | 1.480E+04 | 1.539E+04 |
| 12 | 1.365E+04 | 1.420E+04 | 1.476E+04 |
| 13 | 1.310E+04 | 1.362E+04 | 1.416E+04 |
| 14 | 1.258E+04 | 1.308E+04 | 1.358E+04 |
| 15 | 1.209E+04 | 1.256E+04 | 1.304E+04 |
| 16 | 1.161E+04 | 1.206E+04 | 1.251E+04 |
| 17 | 1.116E+04 | 1.158E+04 | 1.202E+04 |
| 18 | 1.073E+04 | 1.113E+04 | 1.154E+04 |
| 19 | 1.031E+04 | 1.070E+04 | 1.109E+04 |
| 20 | 9.917E+03 | 1.028E+04 | 1.065E+04 |
| 21 | 9.539E+03 | 9.887E+03 | 1.024E+04 |
| 22 | 9.178E+03 | 9.509E+03 | 9.845E+03 |
| 23 | 8.833E+03 | 9.147E+03 | 9.467E+03 |
| 24 | 8.503E+03 | 8.802E+03 | 9.106E+03 |
| 25 | 8.186E+03 | 8.471E+03 | 8.760E+03 |
| 26 | 7.884E+03 | 8.155E+03 | 8.430E+03 |
| 27 | 7.594E+03 | 7.852E+03 | 8.114E+03 |
| 28 | 7.316E+03 | 7.562E+03 | 7.812E+03 |
| 29 | 7.051E+03 | 7.285E+03 | 7.522E+03 |
| 30 | 6.796E+03 | 7.019E+03 | 7.245E+03 |
| 31 | 6.552E+03 | 6.764E+03 | 6.980E+03 |
| 32 | 6.318E+03 | 6.521E+03 | 6.725E+03 |
| 33 | 6.094E+03 | 6.287E+03 | 6.482E+03 |
| 34 | 5.879E+03 | 6.063E+03 | 6.249E+03 |
| 35 | 5.672E+03 | 5.848E+03 | 6.025E+03 |
| 36 | 5.474E+03 | 5.642E+03 | 5.810E+03 |
| 37 | 5.284E+03 | 5.444E+03 | 5.605E+03 |
| 38 | 5.102E+03 | 5.254E+03 | 5.407E+03 |
| 39 | 4.927E+03 | 5.072E+03 | 5.218E+03 |
| 40 | 4.759E+03 | 4.897E+03 | 5.037E+03 |
| 41 | 4.597E+03 | 4.729E+03 | 4.862E+03 |
| 42 | 4.442E+03 | 4.568E+03 | 4.695E+03 |
| 43 | 4.293E+03 | 4.413E+03 | 4.534E+03 |
| 44 | 4.150E+03 | 4.264E+03 | 4.380E+03 |
| 45 | 4.012E+03 | 4.121E+03 | 4.232E+03 |
| 46 | 3.879E+03 | 3.984E+03 | 4.089E+03 |
| 47 | 3.752E+03 | 3.852E+03 | 3.952E+03 |
| 48 | 3.629E+03 | 3.725E+03 | 3.820E+03 |
| 49 | 3.511E+03 | 3.603E+03 | 3.694E+03 |
| 50 | 3.398E+03 | 3.485E+03 | 3.572E+03 |

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| B(T1℃/T2℃) | 3423 K | B+TOLERANCE(K) | 34.23 | B-TOLERANCE(K) | 34.23 |

| T(℃) | Rmin(Ω) | Rnom(Ω) | Rmax(Ω) |
|---|---|---|---|
| 50 | 3.398E+03 | 3.485E+03 | 3.572E+03 |
| 51 | 3.287E+03 | 3.372E+03 | 3.457E+03 |
| 52 | 3.179E+03 | 3.263E+03 | 3.347E+03 |
| 53 | 3.076E+03 | 3.158E+03 | 3.240E+03 |
| 54 | 2.977E+03 | 3.057E+03 | 3.138E+03 |
| 55 | 2.882E+03 | 2.960E+03 | 3.039E+03 |
| 56 | 2.790E+03 | 2.867E+03 | 2.944E+03 |
| 57 | 2.701E+03 | 2.776E+03 | 2.852E+03 |
| 58 | 2.616E+03 | 2.690E+03 | 2.764E+03 |
| 59 | 2.533E+03 | 2.606E+03 | 2.679E+03 |
| 60 | 2.454E+03 | 2.525E+03 | 2.596E+03 |
| 61 | 2.378E+03 | 2.447E+03 | 2.517E+03 |
| 62 | 2.304E+03 | 2.372E+03 | 2.441E+03 |
| 63 | 2.233E+03 | 2.300E+03 | 2.367E+03 |
| 64 | 2.165E+03 | 2.230E+03 | 2.296E+03 |
| 65 | 2.099E+03 | 2.162E+03 | 2.227E+03 |
| 66 | 2.035E+03 | 2.097E+03 | 2.161E+03 |
| 67 | 1.973E+03 | 2.035E+03 | 2.097E+03 |
| 68 | 1.914E+03 | 1.974E+03 | 2.035E+03 |
| 69 | 1.857E+03 | 1.916E+03 | 1.975E+03 |
| 70 | 1.801E+03 | 1.859E+03 | 1.917E+03 |
| 71 | 1.748E+03 | 1.805E+03 | 1.862E+03 |
| 72 | 1.697E+03 | 1.752E+03 | 1.808E+03 |
| 73 | 1.647E+03 | 1.701E+03 | 1.756E+03 |
| 74 | 1.599E+03 | 1.652E+03 | 1.706E+03 |
| 75 | 1.552E+03 | 1.604E+03 | 1.657E+03 |
| 76 | 1.508E+03 | 1.558E+03 | 1.610E+03 |
| 77 | 1.464E+03 | 1.514E+03 | 1.565E+03 |
| 78 | 1.422E+03 | 1.471E+03 | 1.521E+03 |
| 79 | 1.382E+03 | 1.429E+03 | 1.478E+03 |
| 80 | 1.342E+03 | 1.389E+03 | 1.437E+03 |
| 81 | 1.305E+03 | 1.350E+03 | 1.397E+03 |
| 82 | 1.268E+03 | 1.313E+03 | 1.359E+03 |
| 83 | 1.232E+03 | 1.276E+03 | 1.321E+03 |
| 84 | 1.198E+03 | 1.241E+03 | 1.285E+03 |
| 85 | 1.165E+03 | 1.207E+03 | 1.250E+03 |
| 86 | 1.133E+03 | 1.174E+03 | 1.216E+03 |
| 87 | 1.101E+03 | 1.142E+03 | 1.183E+03 |
| 88 | 1.071E+03 | 1.111E+03 | 1.152E+03 |
| 89 | 1.042E+03 | 1.081E+03 | 1.121E+03 |
| 90 | 1.014E+03 | 1.052E+03 | 1.091E+03 |
| 91 | 9.862E+02 | 1.024E+03 | 1.062E+03 |
| 92 | 9.597E+02 | 9.964E+02 | 1.034E+03 |
| 93 | 9.340E+02 | 9.699E+02 | 1.007E+03 |
| 94 | 9.090E+02 | 9.442E+02 | 9.802E+02 |
| 95 | 8.848E+02 | 9.193E+02 | 9.545E+02 |
| 96 | 8.613E+02 | 8.951E+02 | 9.297E+02 |
| 97 | 8.385E+02 | 8.716E+02 | 9.055E+02 |
| 98 | 8.163E+02 | 8.488E+02 | 8.820E+02 |
| 99 | 7.948E+02 | 8.267E+02 | 8.592E+02 |
| 100 | 7.740E+02 | 8.052E+02 | 8.371E+02 |

| T(℃) | Rmin(Ω) | Rnom(Ω) | Rmax(Ω) |
|---|---|---|---|
| 100 | 7.740E+02 | 8.052E+02 | 8.371E+02 |
| 101 | 7.537E+02 | 7.843E+02 | 8.156E+02 |
| 102 | 7.340E+02 | 7.640E+02 | 7.947E+02 |
| 103 | 7.149E+02 | 7.443E+02 | 7.743E+02 |
| 104 | 6.963E+02 | 7.251E+02 | 7.546E+02 |
| 105 | 6.783E+02 | 7.065E+02 | 7.354E+02 |