

## NTC THERMISTOR R-T CHARACTERISTICS

TYPE TN10-2D300J [T, B]

|                     |        |                 |     |
|---------------------|--------|-----------------|-----|
| RESISTANCE (at25°C) | 30 Ω   | R-TOLERANCE (±) | 5 % |
| B-VALUE (25/50°C)   | 2150 K | B-TOLERANCE (±) | 3 % |

| T (°C) | Rmin (Ω)   | Rnom (Ω)   | Rmax (Ω)   |
|--------|------------|------------|------------|
| -40    | 1.953E+002 | 2.184E+002 | 2.436E+002 |
| -39    | 1.882E+002 | 2.102E+002 | 2.341E+002 |
| -38    | 1.814E+002 | 2.023E+002 | 2.251E+002 |
| -37    | 1.749E+002 | 1.949E+002 | 2.166E+002 |
| -36    | 1.687E+002 | 1.877E+002 | 2.084E+002 |
| -35    | 1.627E+002 | 1.809E+002 | 2.005E+002 |
| -34    | 1.570E+002 | 1.743E+002 | 1.931E+002 |
| -33    | 1.515E+002 | 1.681E+002 | 1.859E+002 |
| -32    | 1.463E+002 | 1.621E+002 | 1.791E+002 |
| -31    | 1.413E+002 | 1.564E+002 | 1.726E+002 |
| -30    | 1.365E+002 | 1.509E+002 | 1.664E+002 |
| -29    | 1.319E+002 | 1.456E+002 | 1.604E+002 |
| -28    | 1.275E+002 | 1.406E+002 | 1.547E+002 |
| -27    | 1.232E+002 | 1.358E+002 | 1.493E+002 |
| -26    | 1.192E+002 | 1.312E+002 | 1.440E+002 |
| -25    | 1.153E+002 | 1.268E+002 | 1.390E+002 |
| -24    | 1.115E+002 | 1.225E+002 | 1.342E+002 |
| -23    | 1.079E+002 | 1.184E+002 | 1.296E+002 |
| -22    | 1.045E+002 | 1.145E+002 | 1.252E+002 |
| -21    | 1.011E+002 | 1.107E+002 | 1.210E+002 |
| -20    | 9.794E+001 | 1.071E+002 | 1.169E+002 |
| -19    | 9.486E+001 | 1.037E+002 | 1.130E+002 |
| -18    | 9.189E+001 | 1.003E+002 | 1.092E+002 |
| -17    | 8.904E+001 | 9.711E+001 | 1.056E+002 |
| -16    | 8.630E+001 | 9.403E+001 | 1.022E+002 |
| -15    | 8.366E+001 | 9.106E+001 | 9.887E+001 |
| -14    | 8.112E+001 | 8.821E+001 | 9.569E+001 |
| -13    | 7.867E+001 | 8.547E+001 | 9.263E+001 |
| -12    | 7.632E+001 | 8.284E+001 | 8.969E+001 |
| -11    | 7.405E+001 | 8.030E+001 | 8.686E+001 |
| -10    | 7.187E+001 | 7.786E+001 | 8.414E+001 |
| -9     | 6.977E+001 | 7.552E+001 | 8.153E+001 |
| -8     | 6.774E+001 | 7.326E+001 | 7.902E+001 |
| -7     | 6.579E+001 | 7.108E+001 | 7.660E+001 |
| -6     | 6.391E+001 | 6.898E+001 | 7.427E+001 |
| -5     | 6.209E+001 | 6.696E+001 | 7.203E+001 |
| -4     | 6.034E+001 | 6.501E+001 | 6.987E+001 |
| -3     | 5.864E+001 | 6.313E+001 | 6.779E+001 |
| -2     | 5.701E+001 | 6.132E+001 | 6.579E+001 |
| -1     | 5.543E+001 | 5.957E+001 | 6.385E+001 |
| 0      | 5.391E+001 | 5.788E+001 | 6.199E+001 |
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| T (°C) | Rmin (Ω)   | Rnom (Ω)   | Rmax (Ω)   |
|--------|------------|------------|------------|
| 0      | 5.391E+001 | 5.788E+001 | 6.199E+001 |
| 1      | 5.244E+001 | 5.626E+001 | 6.020E+001 |
| 2      | 5.102E+001 | 5.468E+001 | 5.847E+001 |
| 3      | 4.965E+001 | 5.317E+001 | 5.680E+001 |
| 4      | 4.832E+001 | 5.170E+001 | 5.519E+001 |
| 5      | 4.704E+001 | 5.029E+001 | 5.363E+001 |
| 6      | 4.580E+001 | 4.892E+001 | 5.213E+001 |
| 7      | 4.460E+001 | 4.760E+001 | 5.068E+001 |
| 8      | 4.344E+001 | 4.633E+001 | 4.928E+001 |
| 9      | 4.232E+001 | 4.509E+001 | 4.793E+001 |
| 10     | 4.123E+001 | 4.390E+001 | 4.663E+001 |
| 11     | 4.018E+001 | 4.275E+001 | 4.537E+001 |
| 12     | 3.917E+001 | 4.164E+001 | 4.415E+001 |
| 13     | 3.818E+001 | 4.056E+001 | 4.297E+001 |
| 14     | 3.723E+001 | 3.951E+001 | 4.183E+001 |
| 15     | 3.630E+001 | 3.850E+001 | 4.073E+001 |
| 16     | 3.541E+001 | 3.753E+001 | 3.967E+001 |
| 17     | 3.454E+001 | 3.658E+001 | 3.864E+001 |
| 18     | 3.370E+001 | 3.566E+001 | 3.764E+001 |
| 19     | 3.289E+001 | 3.478E+001 | 3.668E+001 |
| 20     | 3.210E+001 | 3.392E+001 | 3.574E+001 |
| 21     | 3.134E+001 | 3.308E+001 | 3.484E+001 |
| 22     | 3.060E+001 | 3.228E+001 | 3.396E+001 |
| 23     | 2.988E+001 | 3.149E+001 | 3.312E+001 |
| 24     | 2.918E+001 | 3.074E+001 | 3.230E+001 |
| 25     | 2.850E+001 | 3.000E+001 | 3.150E+001 |
| 26     | 2.780E+001 | 2.929E+001 | 3.077E+001 |
| 27     | 2.713E+001 | 2.859E+001 | 3.007E+001 |
| 28     | 2.647E+001 | 2.792E+001 | 2.938E+001 |
| 29     | 2.583E+001 | 2.727E+001 | 2.872E+001 |
| 30     | 2.522E+001 | 2.664E+001 | 2.807E+001 |
| 31     | 2.462E+001 | 2.603E+001 | 2.744E+001 |
| 32     | 2.404E+001 | 2.543E+001 | 2.684E+001 |
| 33     | 2.348E+001 | 2.485E+001 | 2.624E+001 |
| 34     | 2.293E+001 | 2.429E+001 | 2.567E+001 |
| 35     | 2.240E+001 | 2.375E+001 | 2.511E+001 |
| 36     | 2.189E+001 | 2.322E+001 | 2.456E+001 |
| 37     | 2.139E+001 | 2.270E+001 | 2.404E+001 |
| 38     | 2.090E+001 | 2.220E+001 | 2.352E+001 |
| 39     | 2.043E+001 | 2.171E+001 | 2.302E+001 |
| 40     | 1.997E+001 | 2.124E+001 | 2.254E+001 |
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