

电阻-温度特性表  
R-T CONVERSION TABLE

| R <sub>25</sub> (K) | 100                    | Tolerance                 | 5%                      | Tolerance | -5%                    | Spec.                     | 100K3950                |
|---------------------|------------------------|---------------------------|-------------------------|-----------|------------------------|---------------------------|-------------------------|
| B <sub>25/50</sub>  | 3950                   | Tolerance                 | 3%                      | Tolerance | -3%                    | Draw by                   | Hongying Chin           |
| T(°C)               | R <sub>Low</sub> (K Ω) | R <sub>Center</sub> (K Ω) | R <sub>High</sub> (K Ω) | T(°C)     | R <sub>Low</sub> (K Ω) | R <sub>Center</sub> (K Ω) | R <sub>High</sub> (K Ω) |
| -40                 | 2704.2803              | 3157.2380                 | 3676.8494               | 1         | 275.4749               | 299.6803                  | 325.1975                |
| -39                 | 2549.9583              | 2971.6623                 | 3454.4486               | 2         | 264.9341               | 287.8657                  | 312.0003                |
| -38                 | 2404.1269              | 2796.6155                 | 3245.0474               | 3         | 254.6688               | 276.3739                  | 299.1791                |
| -37                 | 2266.5723              | 2631.8042                 | 3048.2493               | 4         | 244.6798               | 265.2052                  | 286.7337                |
| -36                 | 2137.0002              | 2476.8397                 | 2863.5458               | 5         | 234.9673               | 254.3591                  | 274.6628                |
| -35                 | 2021.5698              | 2339.0323                 | 2699.5825               | 6         | 224.4487               | 242.6285                  | 261.6251                |
| -34                 | 1905.2024              | 2200.3527                 | 2534.8739               | 7         | 214.4135               | 231.4528                  | 249.2216                |
| -33                 | 1796.1626              | 2070.6429                 | 2381.1001               | 8         | 204.8388               | 220.8050                  | 237.4207                |
| -32                 | 1693.9493              | 1949.2745                 | 2237.4765               | 9         | 195.7029               | 210.6595                  | 226.1923                |
| -31                 | 1598.0986              | 1835.6664                 | 2103.2790               | 10        | 186.9850               | 200.9918                  | 215.5078                |
| -30                 | 1508.1802              | 1729.2812                 | 1977.8387               | 11        | 178.0548               | 191.1033                  | 204.5952                |
| -29                 | 1420.4168              | 1625.6343                 | 1855.8499               | 12        | 169.6472               | 181.8074                  | 194.3521                |
| -28                 | 1338.3441              | 1528.8872                 | 1742.1919               | 13        | 161.7273               | 173.0637                  | 184.7317                |
| -27                 | 1261.5571              | 1438.5367                 | 1636.2433               | 14        | 154.2627               | 164.8348                  | 175.6910                |
| -26                 | 1189.6821              | 1354.1197                 | 1537.4325               | 15        | 147.2234               | 157.0860                  | 167.1902                |
| -25                 | 1122.3740              | 1275.2092                 | 1445.2340               | 16        | 140.8005               | 150.0256                  | 159.4556                |
| -24                 | 1061.4913              | 1203.9576                 | 1362.1308               | 17        | 134.6823               | 143.3096                  | 152.1082                |
| -23                 | 1004.2231              | 1137.0511                 | 1284.2297               | 18        | 128.8533               | 136.9197                  | 145.1273                |
| -22                 | 950.3361               | 1074.2026                 | 1211.1784               | 19        | 123.2987               | 130.8389                  | 138.4931                |
| -21                 | 899.6135               | 1015.1453                 | 1142.6503               | 20        | 118.0044               | 125.0510                  | 132.1871                |
| -20                 | 851.8534               | 959.6312                  | 1078.3427               | 21        | 112.9196               | 119.4997                  | 126.1471                |
| -19                 | 805.9913               | 906.4139                  | 1016.8003               | 22        | 108.0909               | 114.2351                  | 120.4267                |
| -18                 | 762.8657               | 856.4571                  | 959.1270                | 23        | 103.5037               | 109.2405                  | 115.0071                |
| -17                 | 722.2976               | 809.5426                  | 905.0576                | 24        | 99.1443                | 104.5003                  | 109.8703                |
| -16                 | 684.1209               | 765.4680                  | 854.3467                | 25        | 95.0000                | 100.0000                  | 105.0000                |
| -15                 | 648.1812               | 724.0454                  | 806.7669                | 26        | 90.8205                | 95.7258                   | 100.6439                |
| -14                 | 614.6736               | 685.4898                  | 762.5535                | 27        | 86.8547                | 91.6650                   | 96.4999                 |
| -13                 | 583.0719               | 649.1867                  | 720.9912                | 28        | 83.0905                | 87.8056                   | 92.5563                 |
| -12                 | 553.2580               | 614.9930                  | 681.9077                | 29        | 79.5163                | 84.1363                   | 88.8021                 |
| -11                 | 525.1214               | 582.7753                  | 645.1422                | 30        | 76.1214                | 80.6465                   | 85.2270                 |
| -10                 | 498.5593               | 552.4094                  | 610.5457                | 31        | 72.8776                | 77.3079                   | 81.8024                 |
| -9                  | 473.2318               | 523.5015                  | 577.6632                | 32        | 69.7893                | 74.1253                   | 78.5338                 |
| -8                  | 449.3328               | 496.2677                  | 546.7349                | 33        | 66.8484                | 71.0907                   | 75.4133                 |
| -7                  | 426.7739               | 470.6021                  | 517.6339                | 34        | 64.0469                | 68.1965                   | 72.4333                 |
| -6                  | 405.4725               | 446.4057                  | 490.2424                | 35        | 61.3777                | 65.4354                   | 69.5869                 |
| -5                  | 385.3519               | 423.5866                  | 464.4508                | 36        | 58.8320                | 62.7988                   | 66.8655                 |
| -4                  | 362.2976               | 397.4857                  | 435.0012                | 37        | 56.4050                | 60.2821                   | 64.2646                 |
| -3                  | 341.0120               | 373.4328                  | 407.9136                | 38        | 54.0905                | 57.8791                   | 61.7782                 |
| -2                  | 321.3400               | 351.2445                  | 382.9720                | 39        | 51.8827                | 55.5841                   | 59.4006                 |
| -1                  | 303.1415               | 330.7554                  | 359.9826                | 40        | 49.7762                | 53.3917                   | 57.1267                 |
| 0                   | 286.2899               | 311.8167                  | 338.7705                |           |                        |                           |                         |

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R-T CONVERSION TABLE

| R25(K) |                        | 100                       | Tolerance               | 5%    | Tolerance              | -5%                       | Spec.                   | 100K3950      |                        |                           |                         |
|--------|------------------------|---------------------------|-------------------------|-------|------------------------|---------------------------|-------------------------|---------------|------------------------|---------------------------|-------------------------|
| B25/50 |                        | 3950                      | Tolerance               | 3%    | Tolerance              | -3%                       | Draw by                 | Hongying Chin |                        |                           |                         |
| T(°C)  | R <sub>Low</sub> (K Ω) | R <sub>Center</sub> (K Ω) | R <sub>High</sub> (K Ω) | T(°C) | R <sub>Low</sub> (K Ω) | R <sub>Center</sub> (K Ω) | R <sub>High</sub> (K Ω) | T(°C)         | R <sub>Low</sub> (K Ω) | R <sub>Center</sub> (K Ω) | R <sub>High</sub> (K Ω) |
| 41     | 47.7347                | 51.2645                   | 54.9176                 | 81    | 10.6322                | 11.9290                   | 13.3504                 | 121           | 3.0529                 | 3.5520                    | 4.1224                  |
| 42     | 45.7836                | 49.2288                   | 52.8010                 | 82    | 10.2740                | 11.5385                   | 12.9263                 | 122           | 2.9662                 | 3.4540                    | 4.0120                  |
| 43     | 43.9184                | 47.2805                   | 50.7728                 | 83    | 9.9292                 | 11.1624                   | 12.5174                 | 123           | 2.8823                 | 3.3591                    | 3.9051                  |
| 44     | 42.1351                | 45.4156                   | 48.8290                 | 84    | 9.5974                 | 10.8000                   | 12.1230                 | 124           | 2.8011                 | 3.2672                    | 3.8014                  |
| 45     | 40.4299                | 43.6300                   | 46.9658                 | 85    | 9.2779                 | 10.4508                   | 11.7426                 | 125           | 2.7224                 | 3.1781                    | 3.7008                  |
| 46     | 38.8197                | 41.9420                   | 45.2022                 | 86    | 8.9711                 | 10.1152                   | 11.3766                 |               |                        |                           |                         |
| 47     | 37.2806                | 40.3266                   | 43.5124                 | 87    | 8.6757                 | 9.7916                    | 11.0235                 |               |                        |                           |                         |
| 48     | 35.8090                | 38.7802                   | 41.8929                 | 88    | 8.3912                 | 9.4797                    | 10.6827                 |               |                        |                           |                         |
| 49     | 34.4016                | 37.2996                   | 40.3406                 | 89    | 8.1171                 | 9.1789                    | 10.3537                 |               |                        |                           |                         |
| 50     | 33.0555                | 35.8818                   | 38.8524                 | 90    | 7.8530                 | 8.8889                    | 10.0362                 |               |                        |                           |                         |
| 51     | 31.7893                | 34.5466                   | 37.4492                 | 91    | 7.5863                 | 8.5956                    | 9.7149                  |               |                        |                           |                         |
| 52     | 30.5784                | 33.2682                   | 36.1042                 | 92    | 7.3293                 | 8.3128                    | 9.4047                  |               |                        |                           |                         |
| 53     | 29.4201                | 32.0441                   | 34.8149                 | 93    | 7.0817                 | 8.0400                    | 9.1052                  |               |                        |                           |                         |
| 54     | 28.3119                | 30.8716                   | 33.5785                 | 94    | 6.8431                 | 7.7769                    | 8.8160                  |               |                        |                           |                         |
| 55     | 27.2514                | 29.7482                   | 32.3926                 | 95    | 6.6131                 | 7.5230                    | 8.5367                  |               |                        |                           |                         |
| 56     | 26.2040                | 28.6375                   | 31.2188                 | 96    | 6.4161                 | 7.3053                    | 8.2970                  |               |                        |                           |                         |
| 57     | 25.2004                | 27.5721                   | 30.0916                 | 97    | 6.2261                 | 7.0952                    | 8.0653                  |               |                        |                           |                         |
| 58     | 24.2387                | 26.5500                   | 29.0089                 | 98    | 6.0427                 | 6.8922                    | 7.8415                  |               |                        |                           |                         |
| 59     | 23.3169                | 25.5692                   | 27.9688                 | 99    | 5.8658                 | 6.6962                    | 7.6251                  |               |                        |                           |                         |
| 60     | 22.4333                | 24.6279                   | 26.9695                 | 100   | 5.6951                 | 6.5069                    | 7.4159                  |               |                        |                           |                         |
| 61     | 21.6238                | 23.7646                   | 26.0520                 | 101   | 5.5260                 | 6.3192                    | 7.2083                  |               |                        |                           |                         |
| 62     | 20.8481                | 22.9365                   | 25.1710                 | 102   | 5.3627                 | 6.1379                    | 7.0076                  |               |                        |                           |                         |
| 63     | 20.1046                | 22.1420                   | 24.3248                 | 103   | 5.2051                 | 5.9627                    | 6.8134                  |               |                        |                           |                         |
| 64     | 19.3919                | 21.3795                   | 23.5118                 | 104   | 5.0528                 | 5.7933                    | 6.6256                  |               |                        |                           |                         |
| 65     | 18.7085                | 20.6476                   | 22.7307                 | 105   | 4.9058                 | 5.6295                    | 6.4439                  |               |                        |                           |                         |
| 66     | 18.0386                | 19.9294                   | 21.9634                 | 106   | 4.7569                 | 5.4636                    | 6.2596                  |               |                        |                           |                         |
| 67     | 17.3958                | 19.2395                   | 21.2255                 | 107   | 4.6132                 | 5.3032                    | 6.0813                  |               |                        |                           |                         |
| 68     | 16.7788                | 18.5767                   | 20.5158                 | 108   | 4.4743                 | 5.1482                    | 5.9087                  |               |                        |                           |                         |
| 69     | 16.1866                | 17.9398                   | 19.8331                 | 109   | 4.3401                 | 4.9982                    | 5.7417                  |               |                        |                           |                         |
| 70     | 15.6179                | 17.3276                   | 19.1763                 | 110   | 4.2104                 | 4.8531                    | 5.5800                  |               |                        |                           |                         |
| 71     | 15.0698                | 16.7369                   | 18.5418                 | 111   | 4.0869                 | 4.7148                    | 5.4256                  |               |                        |                           |                         |
| 72     | 14.5433                | 16.1689                   | 17.9312                 | 112   | 3.9674                 | 4.5810                    | 5.2762                  |               |                        |                           |                         |
| 73     | 14.0375                | 15.6227                   | 17.3433                 | 113   | 3.8520                 | 4.4515                    | 5.1314                  |               |                        |                           |                         |
| 74     | 13.5515                | 15.0973                   | 16.7772                 | 114   | 3.7403                 | 4.3261                    | 4.9912                  |               |                        |                           |                         |
| 75     | 13.0845                | 14.5918                   | 16.2321                 | 115   | 3.6323                 | 4.2048                    | 4.8554                  |               |                        |                           |                         |
| 76     | 12.6353                | 14.1052                   | 15.7068                 | 116   | 3.5278                 | 4.0873                    | 4.7237                  |               |                        |                           |                         |
| 77     | 12.2034                | 13.6369                   | 15.2007                 | 117   | 3.4266                 | 3.9734                    | 4.5960                  |               |                        |                           |                         |
| 78     | 11.7881                | 13.1861                   | 14.7130                 | 118   | 3.3287                 | 3.8632                    | 4.4723                  |               |                        |                           |                         |
| 79     | 11.3887                | 12.7522                   | 14.2431                 | 119   | 3.2341                 | 3.7565                    | 4.3524                  |               |                        |                           |                         |
| 80     | 11.0046                | 12.3343                   | 13.7902                 | 120   | 3.1424                 | 3.6531                    | 4.2362                  |               |                        |                           |                         |