

## QN0603X103F3950FB

R25=10kΩ±1%， B25/50=3950±1%， B25/85=3987

| 温度<br>Temp. (°C) | R 最小值<br>R_Min (Kohm) | R 中心值<br>R_Cent (Kohm) | R 最大值<br>R_Max (Kohm) | 阻值公差<br>Res TOL. | 温度公差<br>Temp. TOL.(°C) |
|------------------|-----------------------|------------------------|-----------------------|------------------|------------------------|
| -40              | 329.927               | 345.275                | 361.300               | 4.64%            | 0.67                   |
| -39              | 308.651               | 322.791                | 337.545               | 4.57%            | 0.66                   |
| -38              | 288.892               | 301.925                | 315.514               | 4.50%            | 0.66                   |
| -37              | 270.532               | 282.549                | 295.071               | 4.43%            | 0.65                   |
| -36              | 253.464               | 264.549                | 276.091               | 4.36%            | 0.65                   |
| -35              | 237.587               | 247.816                | 258.459               | 4.29%            | 0.64                   |
| -34              | 222.812               | 232.254                | 242.072               | 4.23%            | 0.64                   |
| -33              | 209.055               | 217.774                | 226.833               | 4.16%            | 0.63                   |
| -32              | 196.239               | 204.292                | 212.655               | 4.09%            | 0.63                   |
| -31              | 184.293               | 191.735                | 199.457               | 4.03%            | 0.62                   |
| -30              | 173.153               | 180.032                | 187.165               | 3.96%            | 0.61                   |
| -29              | 162.760               | 169.120                | 175.711               | 3.90%            | 0.61                   |
| -28              | 153.059               | 158.941                | 165.033               | 3.83%            | 0.60                   |
| -27              | 144.000               | 149.441                | 155.073               | 3.77%            | 0.60                   |
| -26              | 135.535               | 140.571                | 145.779               | 3.71%            | 0.59                   |
| -25              | 127.622               | 132.284                | 137.102               | 3.64%            | 0.59                   |
| -24              | 120.207               | 124.522                | 128.979               | 3.58%            | 0.58                   |
| -23              | 113.270               | 117.266                | 121.391               | 3.52%            | 0.58                   |
| -22              | 106.779               | 110.480                | 114.298               | 3.46%            | 0.57                   |
| -21              | 100.701               | 104.130                | 107.664               | 3.39%            | 0.56                   |
| -20              | 95.008                | 98.185                 | 101.459               | 3.33%            | 0.56                   |
| -19              | 89.674                | 92.618                 | 95.650                | 3.27%            | 0.55                   |
| -18              | 84.672                | 87.402                 | 90.211                | 3.21%            | 0.55                   |
| -17              | 79.982                | 82.513                 | 85.115                | 3.15%            | 0.54                   |
| -16              | 75.580                | 77.927                 | 80.339                | 3.10%            | 0.53                   |
| -15              | 71.449                | 73.626                 | 75.861                | 3.04%            | 0.53                   |
| -14              | 67.569                | 69.588                 | 71.661                | 2.98%            | 0.52                   |

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|------------------|-----------------------|------------------------|-----------------------|------------------|------------------------|
| -13              | 63.924                | 65.797                 | 67.719                | 2.92%            | 0.51                   |
| -12              | 60.498                | 62.237                 | 64.019                | 2.86%            | 0.51                   |
| -11              | 57.277                | 58.890                 | 60.543                | 2.81%            | 0.50                   |
| -10              | 54.247                | 55.744                 | 57.278                | 2.75%            | 0.49                   |
| -9               | 51.396                | 52.786                 | 54.208                | 2.69%            | 0.49                   |
| -8               | 48.712                | 50.002                 | 51.322                | 2.64%            | 0.48                   |
| -7               | 46.184                | 47.382                 | 48.606                | 2.58%            | 0.47                   |
| -6               | 43.803                | 44.916                 | 46.051                | 2.53%            | 0.47                   |
| -5               | 41.559                | 42.592                 | 43.646                | 2.47%            | 0.46                   |
| -4               | 39.441                | 40.400                 | 41.377                | 2.42%            | 0.45                   |
| -3               | 37.443                | 38.333                 | 39.240                | 2.37%            | 0.45                   |
| -2               | 35.559                | 36.385                 | 37.227                | 2.31%            | 0.44                   |
| -1               | 33.781                | 34.548                 | 35.328                | 2.26%            | 0.43                   |
| 0                | 32.102                | 32.814                 | 33.538                | 2.21%            | 0.43                   |
| 1                | 30.518                | 31.179                 | 31.851                | 2.16%            | 0.42                   |
| 2                | 29.022                | 29.636                 | 30.259                | 2.10%            | 0.41                   |
| 3                | 27.608                | 28.178                 | 28.756                | 2.05%            | 0.40                   |
| 4                | 26.271                | 26.800                 | 27.336                | 2.00%            | 0.40                   |
| 5                | 25.007                | 25.497                 | 25.994                | 1.95%            | 0.39                   |
| 6                | 23.808                | 24.263                 | 24.724                | 1.90%            | 0.38                   |
| 7                | 22.674                | 23.096                 | 23.523                | 1.85%            | 0.37                   |
| 8                | 21.601                | 21.992                 | 22.387                | 1.80%            | 0.37                   |
| 9                | 20.584                | 20.947                 | 21.313                | 1.75%            | 0.36                   |
| 10               | 19.622                | 19.958                 | 20.297                | 1.70%            | 0.35                   |
| 11               | 18.711                | 19.022                 | 19.336                | 1.65%            | 0.34                   |
| 12               | 17.847                | 18.135                 | 18.425                | 1.60%            | 0.33                   |
| 13               | 17.028                | 17.294                 | 17.563                | 1.55%            | 0.33                   |
| 14               | 16.251                | 16.498                 | 16.746                | 1.51%            | 0.32                   |
| 15               | 15.514                | 15.742                 | 15.972                | 1.46%            | 0.31                   |
| 16               | 14.814                | 15.025                 | 15.237                | 1.41%            | 0.30                   |

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|------------------|-----------------------|------------------------|-----------------------|------------------|------------------------|
| 17               | 14.150                | 14.345                 | 14.541                | 1.37%            | 0.29                   |
| 18               | 13.519                | 13.699                 | 13.880                | 1.32%            | 0.29                   |
| 19               | 12.921                | 13.086                 | 13.253                | 1.27%            | 0.28                   |
| 20               | 12.351                | 12.504                 | 12.657                | 1.23%            | 0.27                   |
| 21               | 11.811                | 11.951                 | 12.092                | 1.18%            | 0.26                   |
| 22               | 11.296                | 11.426                 | 11.555                | 1.13%            | 0.25                   |
| 23               | 10.808                | 10.926                 | 11.045                | 1.09%            | 0.24                   |
| 24               | 10.342                | 10.452                 | 10.561                | 1.04%            | 0.24                   |
| 25               | 9.900                 | 10.000                 | 10.100                | 1.00%            | 0.23                   |
| 26               | 9.471                 | 9.570                  | 9.670                 | 1.04%            | 0.24                   |
| 27               | 9.062                 | 9.162                  | 9.261                 | 1.09%            | 0.25                   |
| 28               | 8.673                 | 8.773                  | 8.872                 | 1.13%            | 0.26                   |
| 29               | 8.304                 | 8.402                  | 8.501                 | 1.18%            | 0.27                   |
| 30               | 7.952                 | 8.049                  | 8.147                 | 1.22%            | 0.29                   |
| 31               | 7.616                 | 7.713                  | 7.811                 | 1.26%            | 0.30                   |
| 32               | 7.297                 | 7.393                  | 7.490                 | 1.31%            | 0.31                   |
| 33               | 6.993                 | 7.088                  | 7.184                 | 1.35%            | 0.32                   |
| 34               | 6.703                 | 6.797                  | 6.892                 | 1.39%            | 0.33                   |
| 35               | 6.427                 | 6.520                  | 6.613                 | 1.43%            | 0.35                   |
| 36               | 6.164                 | 6.255                  | 6.348                 | 1.47%            | 0.36                   |
| 37               | 5.913                 | 6.003                  | 6.094                 | 1.52%            | 0.37                   |
| 38               | 5.673                 | 5.762                  | 5.852                 | 1.56%            | 0.38                   |
| 39               | 5.445                 | 5.532                  | 5.621                 | 1.60%            | 0.40                   |
| 40               | 5.226                 | 5.313                  | 5.400                 | 1.64%            | 0.41                   |
| 41               | 5.018                 | 5.103                  | 5.189                 | 1.68%            | 0.42                   |
| 42               | 4.819                 | 4.903                  | 4.987                 | 1.72%            | 0.43                   |
| 43               | 4.629                 | 4.711                  | 4.795                 | 1.76%            | 0.45                   |
| 44               | 4.448                 | 4.529                  | 4.610                 | 1.80%            | 0.46                   |
| 45               | 4.274                 | 4.354                  | 4.434                 | 1.84%            | 0.47                   |
| 46               | 4.109                 | 4.187                  | 4.266                 | 1.88%            | 0.49                   |

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|------------------|-----------------------|------------------------|-----------------------|------------------|------------------------|
| 47               | 3.951                 | 4.027                  | 4.104                 | 1.92%            | 0.50                   |
| 48               | 3.799                 | 3.874                  | 3.950                 | 1.96%            | 0.51                   |
| 49               | 3.655                 | 3.728                  | 3.803                 | 2.00%            | 0.53                   |
| 50               | 3.516                 | 3.588                  | 3.661                 | 2.04%            | 0.54                   |
| 51               | 3.384                 | 3.454                  | 3.526                 | 2.08%            | 0.55                   |
| 52               | 3.257                 | 3.326                  | 3.396                 | 2.12%            | 0.57                   |
| 53               | 3.135                 | 3.203                  | 3.272                 | 2.16%            | 0.58                   |
| 54               | 3.019                 | 3.086                  | 3.153                 | 2.19%            | 0.59                   |
| 55               | 2.908                 | 2.973                  | 3.039                 | 2.23%            | 0.61                   |
| 56               | 2.801                 | 2.865                  | 2.930                 | 2.27%            | 0.62                   |
| 57               | 2.699                 | 2.761                  | 2.825                 | 2.31%            | 0.64                   |
| 58               | 2.601                 | 2.662                  | 2.724                 | 2.35%            | 0.65                   |
| 59               | 2.507                 | 2.567                  | 2.628                 | 2.38%            | 0.66                   |
| 60               | 2.417                 | 2.476                  | 2.535                 | 2.42%            | 0.68                   |
| 61               | 2.331                 | 2.388                  | 2.447                 | 2.46%            | 0.69                   |
| 62               | 2.248                 | 2.304                  | 2.362                 | 2.49%            | 0.71                   |
| 63               | 2.169                 | 2.224                  | 2.280                 | 2.53%            | 0.72                   |
| 64               | 2.092                 | 2.146                  | 2.201                 | 2.57%            | 0.74                   |
| 65               | 2.019                 | 2.072                  | 2.126                 | 2.60%            | 0.75                   |
| 66               | 1.949                 | 2.001                  | 2.053                 | 2.64%            | 0.76                   |
| 67               | 1.882                 | 1.932                  | 1.984                 | 2.67%            | 0.78                   |
| 68               | 1.817                 | 1.866                  | 1.917                 | 2.71%            | 0.79                   |
| 69               | 1.754                 | 1.803                  | 1.852                 | 2.75%            | 0.81                   |
| 70               | 1.695                 | 1.742                  | 1.790                 | 2.78%            | 0.82                   |
| 71               | 1.637                 | 1.684                  | 1.731                 | 2.82%            | 0.84                   |
| 72               | 1.582                 | 1.628                  | 1.674                 | 2.85%            | 0.85                   |
| 73               | 1.529                 | 1.574                  | 1.619                 | 2.88%            | 0.87                   |
| 74               | 1.479                 | 1.522                  | 1.566                 | 2.92%            | 0.88                   |
| 75               | 1.430                 | 1.472                  | 1.516                 | 2.95%            | 0.90                   |
| 76               | 1.383                 | 1.424                  | 1.467                 | 2.99%            | 0.92                   |

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|------------------|-----------------------|------------------------|-----------------------|------------------|------------------------|
| 77               | 1.337                 | 1.378                  | 1.419                 | 3.02%            | 0.93                   |
| 78               | 1.294                 | 1.333                  | 1.374                 | 3.06%            | 0.95                   |
| 79               | 1.251                 | 1.290                  | 1.330                 | 3.09%            | 0.96                   |
| 80               | 1.211                 | 1.249                  | 1.288                 | 3.12%            | 0.98                   |
| 81               | 1.172                 | 1.209                  | 1.247                 | 3.16%            | 0.99                   |
| 82               | 1.135                 | 1.171                  | 1.208                 | 3.19%            | 1.01                   |
| 83               | 1.099                 | 1.134                  | 1.171                 | 3.22%            | 1.03                   |
| 84               | 1.064                 | 1.099                  | 1.135                 | 3.26%            | 1.04                   |
| 85               | 1.031                 | 1.065                  | 1.100                 | 3.29%            | 1.06                   |
| 86               | 0.998                 | 1.032                  | 1.066                 | 3.32%            | 1.07                   |
| 87               | 0.967                 | 1.000                  | 1.033                 | 3.35%            | 1.09                   |
| 88               | 0.937                 | 0.969                  | 1.002                 | 3.38%            | 1.11                   |
| 89               | 0.908                 | 0.940                  | 0.972                 | 3.42%            | 1.12                   |
| 90               | 0.881                 | 0.911                  | 0.943                 | 3.45%            | 1.14                   |
| 91               | 0.854                 | 0.884                  | 0.914                 | 3.48%            | 1.16                   |
| 92               | 0.828                 | 0.857                  | 0.887                 | 3.51%            | 1.17                   |
| 93               | 0.803                 | 0.831                  | 0.861                 | 3.54%            | 1.19                   |
| 94               | 0.779                 | 0.807                  | 0.835                 | 3.57%            | 1.21                   |
| 95               | 0.755                 | 0.783                  | 0.811                 | 3.61%            | 1.22                   |
| 96               | 0.733                 | 0.760                  | 0.787                 | 3.64%            | 1.24                   |
| 97               | 0.711                 | 0.738                  | 0.765                 | 3.67%            | 1.26                   |
| 98               | 0.691                 | 0.716                  | 0.743                 | 3.70%            | 1.27                   |
| 99               | 0.670                 | 0.695                  | 0.721                 | 3.73%            | 1.29                   |
| 100              | 0.651                 | 0.675                  | 0.701                 | 3.76%            | 1.31                   |
| 101              | 0.632                 | 0.656                  | 0.681                 | 3.79%            | 1.33                   |
| 102              | 0.614                 | 0.637                  | 0.662                 | 3.82%            | 1.34                   |
| 103              | 0.596                 | 0.619                  | 0.643                 | 3.85%            | 1.36                   |
| 104              | 0.579                 | 0.602                  | 0.625                 | 3.88%            | 1.38                   |
| 105              | 0.563                 | 0.585                  | 0.608                 | 3.91%            | 1.40                   |
| 106              | 0.547                 | 0.569                  | 0.591                 | 3.94%            | 1.41                   |

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|------------------|-----------------------|------------------------|-----------------------|------------------|------------------------|
| 107              | 0.532                 | 0.553                  | 0.575                 | 3.97%            | 1.43                   |
| 108              | 0.517                 | 0.538                  | 0.559                 | 4.00%            | 1.45                   |
| 109              | 0.502                 | 0.523                  | 0.544                 | 4.03%            | 1.47                   |
| 110              | 0.489                 | 0.508                  | 0.529                 | 4.05%            | 1.49                   |
| 111              | 0.475                 | 0.495                  | 0.515                 | 4.08%            | 1.50                   |
| 112              | 0.462                 | 0.481                  | 0.501                 | 4.11%            | 1.52                   |
| 113              | 0.449                 | 0.468                  | 0.487                 | 4.14%            | 1.54                   |
| 114              | 0.437                 | 0.456                  | 0.474                 | 4.17%            | 1.56                   |
| 115              | 0.425                 | 0.443                  | 0.462                 | 4.20%            | 1.58                   |
| 116              | 0.414                 | 0.432                  | 0.450                 | 4.22%            | 1.60                   |
| 117              | 0.403                 | 0.420                  | 0.438                 | 4.25%            | 1.62                   |
| 118              | 0.392                 | 0.409                  | 0.427                 | 4.28%            | 1.63                   |
| 119              | 0.382                 | 0.399                  | 0.416                 | 4.31%            | 1.65                   |
| 120              | 0.372                 | 0.388                  | 0.405                 | 4.34%            | 1.67                   |
| 121              | 0.362                 | 0.378                  | 0.395                 | 4.36%            | 1.69                   |
| 122              | 0.353                 | 0.368                  | 0.385                 | 4.39%            | 1.71                   |
| 123              | 0.344                 | 0.359                  | 0.375                 | 4.42%            | 1.73                   |
| 124              | 0.335                 | 0.350                  | 0.365                 | 4.44%            | 1.75                   |
| 125              | 0.326                 | 0.341                  | 0.356                 | 4.47%            | 1.77                   |