



IBT TECHNOLOGY LTD.
COMPONENT SPECIFICATION (C.S.)

(CONTINUATION SHEET)

PAGE 6 OF 8

TITLE:

Thermistor 103ET-1S76-80123

PART NO.: 030-00096-014

MODEL NO.: TA138F

103ETC-1S78

サーミスタ R-T 特性仕様 (ITS-90)

特性名 103ITA N 抵抗値許容差 ± 1 % B定数許容差 ± 1 %

公称ゼロ負荷抵抗値 6.018kΩ / 37 °C B25/85定数 3975 K

| 温度 (°C) | 最大抵抗 (kΩ) | 標準抵抗 (kΩ) | 最小抵抗 (kΩ) | 温度許容差 (°C) |
|---------|-----------|-----------|-----------|-------------|
| -40 | 344.0 | 327.2 | 311.3 | - 0.8 + 0.8 |
| -39 | 321.7 | 306.3 | 291.6 | - 0.8 + 0.8 |
| -38 | 301.1 | 286.8 | 273.2 | - 0.8 + 0.8 |
| -37 | 281.9 | 268.7 | 256.1 | - 0.8 + 0.8 |
| -36 | 264.1 | 251.9 | 240.3 | - 0.8 + 0.8 |
| -35 | 247.6 | 236.3 | 225.5 | - 0.8 + 0.8 |
| -34 | 232.2 | 221.8 | 211.8 | - 0.8 + 0.8 |
| -33 | 217.9 | 208.3 | 199.0 | - 0.8 + 0.8 |
| -32 | 204.6 | 195.7 | 187.1 | - 0.8 + 0.8 |
| -31 | 192.2 | 183.9 | 176.0 | - 0.8 + 0.8 |
| -30 | 180.7 | 173.0 | 165.6 | - 0.8 + 0.8 |
| -29 | 169.8 | 162.6 | 155.8 | - 0.7 + 0.8 |
| -28 | 159.6 | 153.0 | 146.6 | - 0.7 + 0.8 |
| -27 | 150.1 | 144.0 | 138.1 | - 0.7 + 0.8 |
| -26 | 141.2 | 135.6 | 130.1 | - 0.7 + 0.8 |
| -25 | 133.0 | 127.7 | 122.6 | - 0.7 + 0.8 |
| -24 | 125.3 | 120.4 | 115.6 | - 0.7 + 0.8 |
| -23 | 118.0 | 113.5 | 109.1 | - 0.7 + 0.8 |
| -22 | 111.3 | 107.1 | 103.0 | - 0.7 + 0.8 |
| -21 | 105.0 | 101.0 | 97.25 | - 0.7 + 0.8 |
| -20 | 99.06 | 95.41 | 91.88 | - 0.7 + 0.7 |
| -19 | 93.45 | 90.05 | 86.77 | - 0.7 + 0.7 |
| -18 | 88.19 | 85.03 | 81.98 | - 0.7 + 0.7 |
| -17 | 83.27 | 80.33 | 77.49 | - 0.7 + 0.7 |
| -16 | 78.65 | 76.92 | 73.28 | - 0.7 + 0.7 |
| -15 | 74.33 | 71.79 | 69.33 | - 0.7 + 0.7 |
| -14 | 70.27 | 67.91 | 66.62 | - 0.7 + 0.7 |
| -13 | 66.46 | 64.27 | 62.13 | - 0.7 + 0.7 |
| -12 | 62.89 | 60.84 | 58.86 | - 0.7 + 0.7 |
| -11 | 59.53 | 57.63 | 55.78 | - 0.7 + 0.7 |
| -10 | 56.38 | 54.60 | 52.88 | - 0.6 + 0.6 |
| -9 | 53.40 | 51.74 | 50.13 | - 0.6 + 0.6 |
| -8 | 50.59 | 49.05 | 47.55 | - 0.6 + 0.6 |
| -7 | 47.95 | 46.52 | 45.12 | - 0.6 + 0.6 |
| -6 | 45.47 | 44.13 | 42.83 | - 0.6 + 0.6 |
| -5 | 43.13 | 41.88 | 40.67 | - 0.6 + 0.6 |
| -4 | 40.93 | 39.77 | 38.63 | - 0.6 + 0.6 |
| -3 | 38.86 | 37.77 | 36.71 | - 0.6 + 0.6 |
| -2 | 36.90 | 35.89 | 34.90 | - 0.6 + 0.6 |
| -1 | 35.06 | 34.12 | 33.19 | - 0.6 + 0.6 |
| 0 | 33.32 | 32.44 | 31.58 | - 0.6 + 0.6 |
| 1 | 31.66 | 30.84 | 30.04 | - 0.6 + 0.6 |
| 2 | 30.09 | 29.33 | 28.58 | - 0.6 + 0.6 |
| 3 | 28.61 | 27.90 | 27.20 | - 0.6 + 0.6 |
| 4 | 27.22 | 26.55 | 25.90 | - 0.6 + 0.6 |
| 5 | 25.90 | 25.27 | 24.67 | - 0.5 + 0.5 |
| 6 | 24.65 | 24.07 | 23.50 | - 0.5 + 0.5 |
| 7 | 23.47 | 22.93 | 22.40 | - 0.5 + 0.5 |
| 8 | 22.36 | 21.85 | 21.36 | - 0.5 + 0.5 |
| 9 | 21.30 | 20.83 | 20.37 | - 0.5 + 0.5 |
| 10 | 20.30 | 19.87 | 19.43 | - 0.5 + 0.5 |



IDT TECHNOLOGY LTD.
COMPONENT SPECIFICATION (C.S.)

(CONTINUATION SHEET)

TITLE:

Thermistor 103ET-1876-20123

PART NO.: 030-000096-014

MODEL NO.: TA038F

103ETC-1S78

サーミスタ R-T 特性仕様 (ITS-90)

特性名 103ITAN 抵抗値許容差 ± 1% B定数許容差 ± 1%
公称ゼロ負荷抵抗値 6.018kΩ / 37℃ B25/85定数 3975 K

| 温度 (°C) | 最大抵抗 (kΩ) | 標準抵抗 (kΩ) | 最小抵抗 (kΩ) | 温度許容差 (°C) |
|---------|-----------|-----------|-----------|-------------|
| 10 | 20.30 | 19.87 | 19.43 | - 0.5 + 0.5 |
| 11 | 19.35 | 18.94 | 18.53 | - 0.5 + 0.5 |
| 12 | 18.44 | 18.06 | 17.68 | - 0.5 + 0.5 |
| 13 | 17.58 | 17.23 | 16.87 | - 0.5 + 0.5 |
| 14 | 16.77 | 16.44 | 16.11 | - 0.5 + 0.5 |
| 15 | 16.00 | 15.69 | 15.38 | - 0.5 + 0.5 |
| 16 | 15.27 | 14.98 | 14.70 | - 0.5 + 0.5 |
| 17 | 14.58 | 14.31 | 14.04 | - 0.5 + 0.5 |
| 18 | 13.92 | 13.67 | 13.42 | - 0.4 + 0.5 |
| 19 | 13.30 | 13.07 | 12.84 | - 0.4 + 0.5 |
| 20 | 12.71 | 12.49 | 12.28 | - 0.4 + 0.5 |
| 21 | 12.14 | 11.94 | 11.74 | - 0.4 + 0.5 |
| 22 | 11.61 | 11.42 | 11.23 | - 0.4 + 0.5 |
| 23 | 11.10 | 10.92 | 10.75 | - 0.4 + 0.5 |
| 24 | 10.61 | 10.46 | 10.29 | - 0.4 + 0.5 |
| 25 | 10.15 | 10.00 | 9.850 | - 0.4 + 0.4 |
| 26 | 9.714 | 9.573 | 9.434 | - 0.4 + 0.4 |
| 27 | 9.298 | 9.167 | 9.038 | - 0.4 + 0.4 |
| 28 | 8.903 | 8.781 | 8.661 | - 0.4 + 0.4 |
| 29 | 8.526 | 8.414 | 8.302 | - 0.4 + 0.4 |
| 30 | 8.168 | 8.064 | 7.960 | - 0.4 + 0.4 |
| 31 | 7.824 | 7.727 | 7.631 | - 0.3 + 0.4 |
| 32 | 7.497 | 7.407 | 7.318 | - 0.3 + 0.4 |
| 33 | 7.185 | 7.102 | 7.019 | - 0.3 + 0.4 |
| 34 | 6.888 | 6.811 | 6.735 | - 0.3 + 0.4 |
| 35 | 6.605 | 6.534 | 6.463 | - 0.3 + 0.4 |
| 36 | 6.335 | 6.270 | 6.205 | - 0.3 + 0.4 |
| 37 | 6.078 | 6.018 | 5.958 | - 0.3 + 0.4 |
| 38 | 5.838 | 5.778 | 5.718 | - 0.3 + 0.4 |
| 39 | 5.609 | 5.549 | 5.489 | - 0.3 + 0.4 |
| 40 | 5.390 | 5.330 | 5.271 | - 0.3 + 0.4 |
| 41 | 5.180 | 5.120 | 5.061 | - 0.3 + 0.4 |
| 42 | 4.979 | 4.919 | 4.860 | - 0.4 + 0.4 |
| 43 | 4.787 | 4.728 | 4.669 | - 0.4 + 0.4 |
| 44 | 4.603 | 4.545 | 4.487 | - 0.4 + 0.4 |
| 45 | 4.428 | 4.370 | 4.313 | - 0.4 + 0.4 |
| 46 | 4.260 | 4.203 | 4.146 | - 0.4 + 0.4 |
| 47 | 4.100 | 4.044 | 3.987 | - 0.4 + 0.4 |
| 48 | 3.947 | 3.891 | 3.836 | - 0.4 + 0.4 |
| 49 | 3.800 | 3.745 | 3.690 | - 0.4 + 0.4 |
| 50 | 3.660 | 3.605 | 3.551 | - 0.4 + 0.4 |
| 51 | 3.525 | 3.471 | 3.417 | - 0.5 + 0.4 |
| 52 | 3.395 | 3.342 | 3.289 | - 0.5 + 0.4 |
| 53 | 3.271 | 3.219 | 3.167 | - 0.5 + 0.4 |
| 54 | 3.153 | 3.101 | 3.049 | - 0.5 + 0.4 |
| 55 | 3.039 | 2.988 | 2.937 | - 0.5 + 0.4 |
| 56 | 2.930 | 2.880 | 2.830 | - 0.5 + 0.4 |
| 57 | 2.825 | 2.776 | 2.727 | - 0.5 + 0.4 |
| 58 | 2.725 | 2.677 | 2.628 | - 0.5 + 0.4 |
| 59 | 2.629 | 2.581 | 2.534 | - 0.6 + 0.4 |
| 60 | 2.537 | 2.490 | 2.444 | - 0.6 + 0.6 |



IDT TECHNOLOGY LTD.
COMPONENT SPECIFICATION (C.S.)

(CONTINUATION SHEET)

PAGE 7 OF 8

TITLE:

Thermistor 103ET-1876-80123

PART NO.: 030-000096-014

MODEL NO.: TA138F

103ETC-1878

サーミスタ R-T 特性仕様 (ITS-90)

特性名 103ITA_N 抵抗値許容差 ± 1 % B定数許容差 ± 1 %
公称ゼロ負荷抵抗値 6.018kΩ / 37 °C B25/85定数 3975 K

| 温度 (°C) | 最大抵抗 (kΩ) | 標準抵抗 (kΩ) | 最小抵抗 (kΩ) | 温度許容差 (%) |
|---------|-----------|-----------|-----------|-------------|
| 60 | 2.537 | 2.490 | 2.444 | - 0.6 + 0.6 |
| 61 | 2.449 | 2.402 | 2.356 | - 0.6 + 0.6 |
| 62 | 2.363 | 2.318 | 2.273 | - 0.6 + 0.6 |
| 63 | 2.282 | 2.237 | 2.193 | - 0.6 + 0.6 |
| 64 | 2.203 | 2.159 | 2.116 | - 0.6 + 0.6 |
| 65 | 2.128 | 2.086 | 2.042 | - 0.6 + 0.6 |
| 66 | 2.056 | 2.013 | 1.972 | - 0.6 + 0.6 |
| 67 | 1.986 | 1.946 | 1.904 | - 0.7 + 0.7 |
| 68 | 1.920 | 1.879 | 1.838 | - 0.7 + 0.7 |
| 69 | 1.856 | 1.815 | 1.776 | - 0.7 + 0.7 |
| 70 | 1.794 | 1.755 | 1.716 | - 0.7 + 0.7 |
| 71 | 1.734 | 1.696 | 1.658 | - 0.7 + 0.7 |
| 72 | 1.677 | 1.639 | 1.602 | - 0.7 + 0.7 |
| 73 | 1.622 | 1.585 | 1.548 | - 0.7 + 0.7 |
| 74 | 1.569 | 1.532 | 1.496 | - 0.8 + 0.8 |
| 75 | 1.518 | 1.482 | 1.447 | - 0.8 + 0.8 |
| 76 | 1.469 | 1.434 | 1.399 | - 0.8 + 0.8 |
| 77 | 1.422 | 1.387 | 1.353 | - 0.8 + 0.8 |
| 78 | 1.376 | 1.342 | 1.309 | - 0.8 + 0.8 |
| 79 | 1.332 | 1.299 | 1.267 | - 0.8 + 0.8 |
| 80 | 1.290 | 1.258 | 1.226 | - 0.8 + 0.8 |
| 81 | 1.250 | 1.218 | 1.186 | - 0.9 + 0.9 |
| 82 | 1.210 | 1.179 | 1.148 | - 0.9 + 0.9 |
| 83 | 1.173 | 1.142 | 1.112 | - 0.9 + 0.9 |
| 84 | 1.136 | 1.106 | 1.077 | - 0.9 + 0.9 |
| 85 | 1.101 | 1.072 | 1.043 | - 0.9 + 0.9 |
| 86 | 1.067 | 1.038 | 1.010 | - 0.9 + 0.9 |
| 87 | 1.034 | 1.006 | 0.9781 | - 0.9 + 0.9 |
| 88 | 1.003 | 0.9747 | 0.9476 | - 0.9 + 1.0 |
| 89 | 0.9721 | 0.9448 | 0.9182 | - 1.0 + 1.0 |
| 90 | 0.9427 | 0.9159 | 0.8899 | - 1.0 + 1.0 |
| 91 | 0.9142 | 0.8880 | 0.8624 | - 1.0 + 1.0 |
| 92 | 0.8867 | 0.8610 | 0.8360 | - 1.0 + 1.0 |
| 93 | 0.8601 | 0.8350 | 0.8105 | - 1.0 + 1.0 |
| 94 | 0.8345 | 0.8099 | 0.7859 | - 1.0 + 1.0 |
| 95 | 0.8098 | 0.7857 | 0.7621 | - 1.0 + 1.0 |
| 96 | 0.7860 | 0.7623 | 0.7392 | - 1.1 + 1.1 |
| 97 | 0.7630 | 0.7398 | 0.7172 | - 1.1 + 1.1 |
| 98 | 0.7408 | 0.7180 | 0.6959 | - 1.1 + 1.1 |
| 99 | 0.7193 | 0.6970 | 0.6753 | - 1.1 + 1.1 |
| 100 | 0.6986 | 0.6767 | 0.6554 | - 1.1 + 1.1 |
| 101 | 0.6785 | 0.6570 | 0.6362 | - 1.1 + 1.1 |
| 102 | 0.6590 | 0.6380 | 0.6176 | - 1.2 + 1.2 |
| 103 | 0.6403 | 0.6197 | 0.5997 | - 1.2 + 1.2 |
| 104 | 0.6221 | 0.6019 | 0.5824 | - 1.2 + 1.2 |
| 105 | 0.6046 | 0.5848 | 0.5656 | - 1.2 + 1.2 |
| 106 | 0.5876 | 0.5683 | 0.5495 | - 1.2 + 1.2 |
| 107 | 0.5713 | 0.5523 | 0.5338 | - 1.2 + 1.2 |
| 108 | 0.5554 | 0.5368 | 0.5187 | - 1.2 + 1.3 |
| 109 | 0.5401 | 0.5218 | 0.5041 | - 1.3 + 1.3 |
| 110 | 0.5252 | 0.5073 | 0.4900 | - 1.3 + 1.3 |



TITLE:

PART NO.:

Thermistor 103ET-1876-80123

030-000096-014

MODEL NO.:

TA138F

103ETC-1878

サーミスタ R-T 特性仕様 (ITS-90)

特性名 103ITA_N 抵抗値許容差 ± 1 % B定数許容差 ± 1 %

公称ゼロ負荷抵抗値 6.018kΩ / 37 °C B25/85定数 3975 K

| 温度 (°C) | 最大抵抗 (kΩ) | 標準抵抗 (kΩ) | 最小抵抗 (kΩ) | 温度許容差 (°C) |
|---------|-----------|-----------|-----------|-------------|
| 110 | 0.5252 | 0.5073 | 0.4900 | - 1.3 + 1.3 |
| 111 | 0.5109 | 0.4933 | 0.4763 | - 1.3 + 1.3 |
| 112 | 0.4969 | 0.4797 | 0.4631 | - 1.3 + 1.3 |
| 113 | 0.4834 | 0.4666 | 0.4502 | - 1.3 + 1.3 |
| 114 | 0.4704 | 0.4539 | 0.4379 | - 1.3 + 1.4 |
| 115 | 0.4578 | 0.4416 | 0.4259 | - 1.4 + 1.4 |
| 116 | 0.4455 | 0.4296 | 0.4143 | - 1.4 + 1.4 |
| 117 | 0.4337 | 0.4181 | 0.4030 | - 1.4 + 1.4 |
| 118 | 0.4222 | 0.4069 | 0.3922 | - 1.4 + 1.4 |
| 119 | 0.4111 | 0.3961 | 0.3816 | - 1.4 + 1.4 |
| 120 | 0.4004 | 0.3857 | 0.3714 | - 1.4 + 1.4 |
| 121 | 0.3899 | 0.3755 | 0.3615 | - 1.5 + 1.4 |
| 122 | 0.3798 | 0.3656 | 0.3520 | - 1.5 + 1.4 |
| 123 | 0.3699 | 0.3561 | 0.3427 | - 1.5 + 1.4 |
| 124 | 0.3604 | 0.3468 | 0.3337 | - 1.5 + 1.4 |
| 125 | 0.3512 | 0.3378 | 0.3250 | - 1.5 + 1.5 |
| 126 | 0.3422 | 0.3291 | 0.3165 | - 1.5 + 1.6 |
| 127 | 0.3336 | 0.3207 | 0.3083 | - 1.6 + 1.6 |
| 128 | 0.3251 | 0.3125 | 0.3004 | - 1.6 + 1.6 |
| 129 | 0.3170 | 0.3046 | 0.2927 | - 1.6 |
| 130 | 0.3091 | 0.2969 | 0.2852 | - 1.6 |