

薄膜热敏电阻NTC 103J

产品名称	薄膜热敏电阻NTC 103J
公司名称	深圳市美日新科技有限公司
价格	面议
规格参数	加工定制:否 品牌:国产 型号:薄膜103J
公司地址	深圳市南山区桃源街道龙珠二路龙都花园4栋201
联系电话	86-0755-83689218 13923792078

产品详情

ntc thermistorspecifications

1) scope

this specification defines ratings, dimension, insulation, climatic test and mechanical characteristics for jt type thermistor.2) part no.: dae-jt103j-025

3) rating

3-1) rated zero-power resistance : $r_{25} : 10k \pm 1\%$ (at 25)

3-2) b value : $b_{25/85} : 3,435k \pm 1\%$

* the b value is calculated using the zero-power resistance values measured at 25 and 85 .

3-3) dissipation factor : approx. 0.7 mw/ (in air)

3-4) thermal time constant : approx. 5.0 s (in air)

3-5) maximum power rating : 2.5 mw (at 25)

3-6) category temperature range : -40 ~ 90

4) insulation resistance

insulation resistance shall be more than 100m which is measured at dc 100v between film area and terminals.

5) climatic test

5-1) dry heat

after the test samples were exposed in air at 90 ± 1 for 1,000 hours, the change ratio of the rated zero-power resistance shall be within $\pm 1\%$ of the initial value.

5-2) damp heat

after the test samples were exposed in the humidity of 95% at 40 ± 2 for 1,000 hours, the change ratio of the rated zero-power resistance shall be within $\pm 1\%$ of the initial value.

5-3) cold

after the test samples were exposed in air at -30 ± 1 for 1,000 hours, the change ratio of the rated zero-power resistance shall be within $\pm 1\%$ of the initial value.

5-4) loading

after dc 1ma current was applied to the test samples in the temperature of 40 ± 2 and the humidity of 95% for 1,000 hours, the change ratio of the rated zero-power resistance shall be within $\pm 1\%$ of the initial value.

5-5) change of temperature

one cycle of the change of temperature shall be carried out in the order of the following conditions.

room ambient temperature (initial value) at -25 ± 3 for 30 minutes.

room ambient temperature for 3 minutes at 90 ± 2 for 30 minutes

room ambient temperature for 3 minutes after the 100 cycles of this process, the change ratio of the rated zero-power resistance shall be within $\pm 1\%$ of the initial value.

6) mechanical characteristics

6-1) resistance to soldering heat

the terminals shall be dipped into a soldering bath having a temperature of 260 ± 5 to a point 2.0mm from the body and then be held there for 5 ± 1 s, the change ratio of the rated zero-power resistance shall be within $\pm 1\%$ of the initial value.

6-2) solderability

after dipping the terminal to a depth in a soldering bath of 235 ± 5 for ± 0.5 s, approximately 90% of terminals should be covered with solder uniformly.

6-3) free fall:

after three times fall to a maple board from 0.75 meter high, there shall be no visible damage and the change ratio of the rated zero-power resistance shall be within $\pm 1\%$ of the initial value.

6-4) robustness of termination

after 1n loading weight for 10 ± 1 s was applied to the wise terminations, there shall be no visible damage and the change ratio of the rated zero-power resistance shall be within $\pm 1\%$ of the initial value.

7) dimensions (mm)

resistance table model : 10kohm b(25/85) :
 3435???????k unit : ??????? temp std temp std
 temp std temp std-40 205.9 6 21.41 52 3.842 98 1.004-39 194.1 7 20.52 53 3.719 99 0
 .979-38 183.0 8 19.67 54 3.601 100 0.954-37 172.6 9 18.86 55 3.488 101 0.931-36 163.0
 10 18.09 56 3.379 102 0.908-35 153.9 11 17.35 57 3.274 103 0.886-34 145.4 12 16.65
 58 3.172 104 0.864-33 137.4 13 15.99 59 3.075 105 0.843-32 130.0 14 15.35 60 2.981
 106 0.823-31 123.0 15 14.74 61 2.890 107 0.804-30 116.4 16 14.16 62 2.803 108 0.784
 -29 110.2 17 13.61 63 2.719 109 0.766-28 104.4 18 13.09 64 2.638 110 0.748-27 98.96
 19 12.58 65 2.559 111 0.730-26 93.84 20 12.10 66 2.484 112 0.713-25 89.02 21 11.64 6
 7 2.411 113 0.697-24 87.31 22 11.20 68 2.341 114 0.681-23 82.83 23 10.78 69 2.273 11
 5 0.665-22 78.61 24 10.38 70 2.207 116 0.650-21 74.63 25 10.00 71 2.144 117 0.635-20
 70.89 26 9.628 72 2.083 118 0.621-19 67.36 27 9.271 73 2.024 119 0.607-18 64.03 28
 8.931 74 1.967 120 0.593-17 60.90 29 8.604 75 1.912 121 0.580-16 57.93 30 8.292 76
 1.858 122 0.567-15 55.14 31 7.993 77 1.807 123 0.555-14, , 52.49 32 7.707 78 1.757 12
 4 0.543-13 50.00 33 7.433 79 1.709 125 0.531-12 47.64 34 7.170 80 1.662
 -11 45.41 35 6.918 81 1.617 -10 43.29 36 6.677 82 1.574
 -9 41.30 37 6.445 83 1.532 -8 39.40 38 6.223 84 1.491
 -7 37.61 39 6.010 85 1.451 -6 35.91 40 5.805 86 1.373
 -5 34.30 41 5.609 87 1.337 -4 32.78 42 5.420 88 1.302
 -3 31.33 43 5.239 89 1.267 -2 29.96 44 5.065 90 1.234
 -1 28.65 45 4.898 91 1.202 0 27.41 46 4.738 92 1.171
 1 26.62 47 4.583 93 1.141 2 25.47 48 4.435 94 1.112
 3 24.38 49 4.292 95 1.083 4 23.34 50 4.155 96 1.056
 5 22.35 51 3.969 97 1.029

订购说明

本产品的加工定制是否，品牌是国产，型号是薄膜103J，种类是热敏，性能是通用，材料是薄膜，制作工艺是非线绕型，外形是其他，标称阻值是10k欧姆，允许偏差是 $\pm 5\%$ ，温度系数是NTC，功率特性是小功率，产品性质是热销，营销方式是现货