

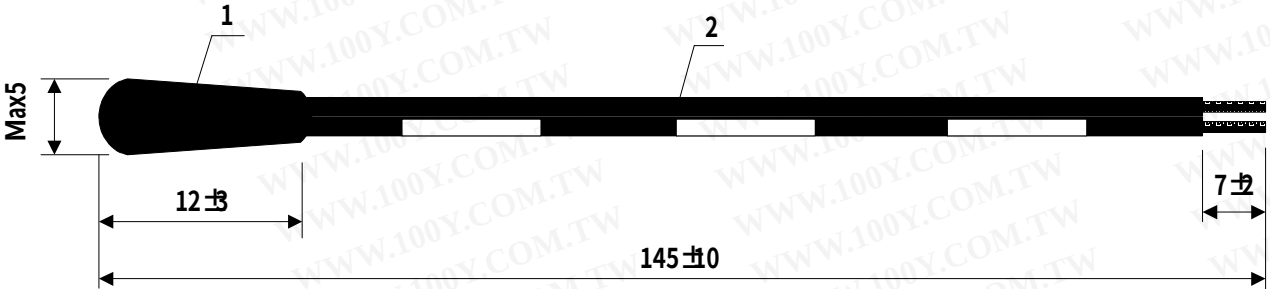
勝 特 力 材 料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

A. Material List

NO.	ITEM	DESCRIPTION
1	COATING RESIN	BLACK EPOXY
2	LEAD WIRE	UL2468#24×2C TC線(黑色/黑底白邊)

B. Electrical Characteristic

ITEM	VALUE
R _{25℃}	1KΩ±5%
B _{25/50℃}	3800K±5%



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THINKING P/N:NTSE0102JG004

NO	PART NAME	PART P/N	Q'TY	MANUFACTURE OF MATERIAL	FLAMMABILITY SOLID BURNING CLASS	UL FILE NO
1	COATING RESING	BLACK EPOXY	1	JAPAN		
2	WIRE	UL2468#24×2C TC線 (黑色/黑底白邊)	1	EVERTOP OR EQUIVALENT	VW-1	UL APPROVED
備 注						

Specification of NTC Thermistor for Sensor

PART NO. NTSE0102JG004

CUSTOMER P/N. _____

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2. Electrical characteristics

	Parameter	Symbol	Test Conditions	Min.	Nor.	Max.	Unit.
a.	Resistance At 25°C	R ₂₅	Ta=25°C±0.05°C P _T ≤0.1mW	0.95	1.0	1.05	KOHM
b.	Resistance At 50°C	R ₅₀	Ta=50°C±0.05°C P _T ≤0.1mW	-----	0.373	-----	KOHM
c.	R ₂₅ / R ₅₀	K	-----	-----	2.6805	-----	-----
d.	B Constant	B	(3853.89* LnK)	3610	3800	3990	K
e.	Thermal Dissipation Constant	C	Ta=25°C±0.1°C	5	-----	-----	mW/°C
f.	Thermal Time Constant	-----	Ta=25°C±0.1°C	-----	-----	30	Sec
g.	Hi-Pot Test	-----	1200V AC 1 sec	-----	-----	10	mA

3.Maximum Ratings

	Parameter	Specification	Unit
a.	Operation Temperature Range	-20 ----- +85	°C
b.	Max' Permissible Current	3.42	mA
c.	Max' Operating Current	0.76	mA

4. Mechanical Characteristics

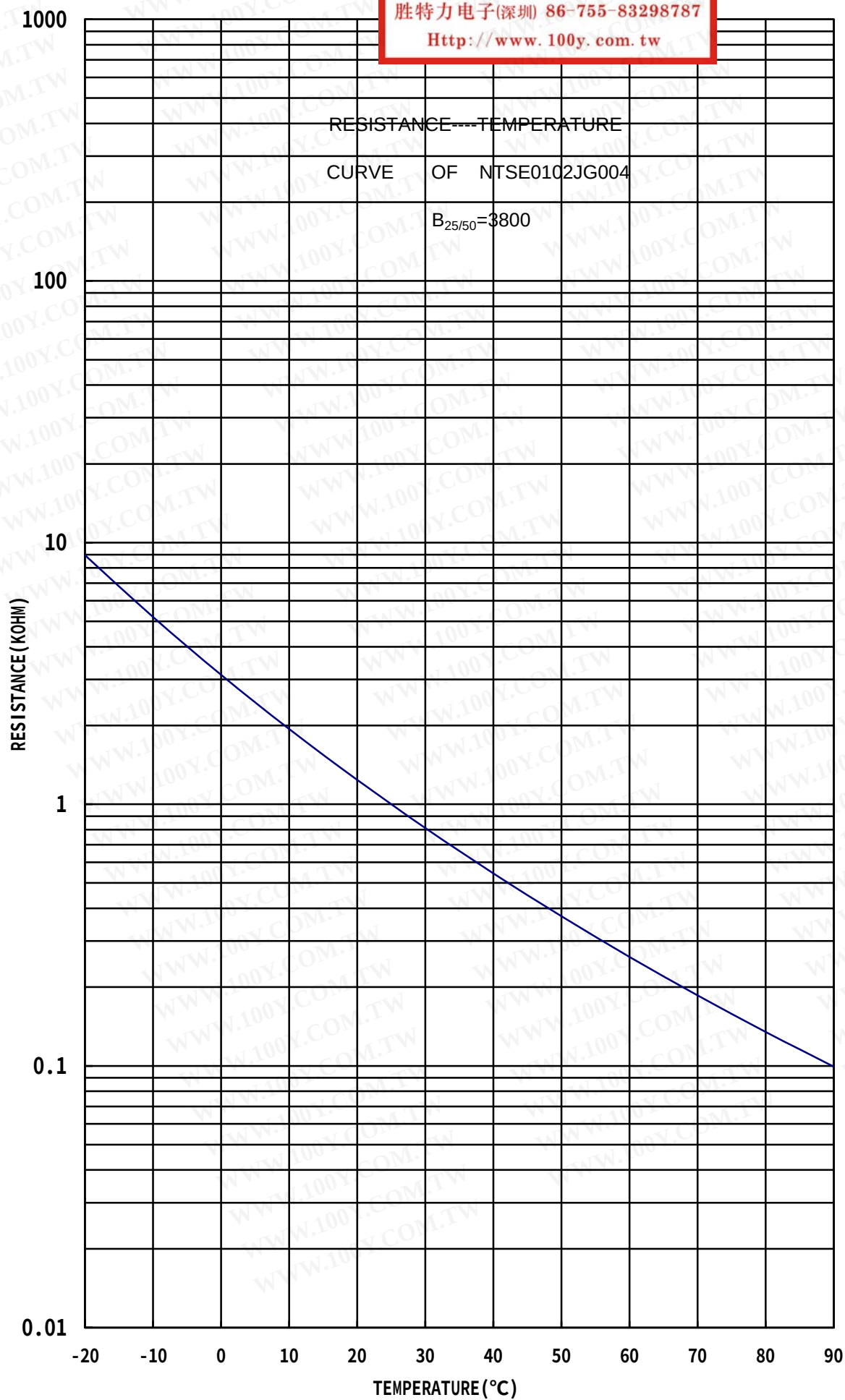
4-1 Leads Terminal Tensile Strength

Conditions	Tests Result	
Fasten body with a Load Applied	No break out	OK
to each lead 1 kg for 10 sec.	and damage	

5. Reliability Test

Item	Test Conditions	Variable
Temp. cycle test	-20 °C X 30min → +25 °C X 5min +85 °C X 30min → +25 °C X 5min } X 5Cycles	Within ± 5 %
Humidity test	40 °C 95 % RH X 1000 HRS	Within ± 5 %
Life test	1.05 mAmp. X 1000 HRS	Within ± 5 %
Insulation test	DC 500 V	MIN: 100 MOHM

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R-T TABLE

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$R_{25^{\circ}\text{C}}=1\text{K}\pm 5\%$

$B_{25/50^{\circ}\text{C}}=3800\text{K}\pm 5\%$

T (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temp. Tolerance (°C)	
-20	10.4903	8.9536	7.6229	-2.99	2.59
-19	9.8907	8.4655	7.2276	-2.96	2.57
-18	9.3292	8.0072	6.8553	-2.92	2.54
-17	8.8030	7.5765	6.5046	-2.88	2.52
-16	8.3099	7.1717	6.1740	-2.85	2.50
-15	7.8475	6.7911	5.8623	-2.81	2.47
-14	7.4136	6.4331	5.5683	-2.78	2.45
-13	7.0065	6.0962	5.2909	-2.74	2.42
-12	6.6242	5.7790	5.0290	-2.70	2.40
-11	6.2652	5.4803	4.7817	-2.66	2.37
-10	5.9278	5.1988	4.5482	-2.63	2.35
-9	5.6106	4.9336	4.3274	-2.59	2.32
-8	5.3123	4.6835	4.1187	-2.55	2.29
-7	5.0318	4.4476	3.9214	-2.51	2.26
-6	4.7677	4.2250	3.7347	-2.48	2.24
-5	4.5191	4.0149	3.5581	-2.44	2.21
-4	4.2849	3.8165	3.3908	-2.40	2.18
-3	4.0643	3.6291	3.2325	-2.36	2.15
-2	3.8563	3.4521	3.0825	-2.32	2.12
-1	3.6602	3.2847	2.9403	-2.28	2.09
0	3.4753	3.1264	2.8056	-2.24	2.06
1	3.3008	2.9767	2.6778	-2.20	2.03
2	3.1360	2.8351	2.5566	-2.16	2.00
3	2.9805	2.7010	2.4416	-2.12	1.97
4	2.8336	2.5741	2.3324	-2.08	1.94
5	2.6948	2.4538	2.2288	-2.04	1.91
6	2.5636	2.3399	2.1304	-2.00	1.87
7	2.4395	2.2319	2.0369	-1.96	1.84
8	2.3222	2.1296	1.9480	-1.92	1.81
9	2.2111	2.0325	1.8636	-1.88	1.77
10	2.1061	1.9404	1.7833	-1.83	1.74
11	2.0066	1.8530	1.7069	-1.79	1.71
12	1.9124	1.7700	1.6342	-1.75	1.67
13	1.8231	1.6913	1.5650	-1.71	1.64
14	1.7385	1.6164	1.4992	-1.67	1.60
15	1.6583	1.5453	1.4365	-1.62	1.56
16	1.5823	1.4778	1.3767	-1.58	1.53
17	1.5101	1.4136	1.3198	-1.54	1.49
18	1.4417	1.3525	1.2656	-1.49	1.45
19	1.3768	1.2944	1.2139	-1.45	1.42

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T (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temp. Tolerance (°C)	
20	1.3151	1.2391	1.1646	-1.41	1.38
21	1.2565	1.1865	1.1176	-1.36	1.34
22	1.2009	1.1364	1.0727	-1.32	1.30
23	1.1480	1.0887	1.0299	-1.27	1.26
24	1.0978	1.0433	0.9890	-1.23	1.22
25	1.0500	1.0000	0.9500	-1.23	1.22
26	1.0087	0.9586	0.9088	-1.24	1.23
27	0.9692	0.9192	0.8696	-1.30	1.29
28	0.9315	0.8816	0.8322	-1.36	1.35
29	0.8955	0.8457	0.7968	-1.42	1.40
30	0.8611	0.8116	0.7630	-1.49	1.46
31	0.8282	0.7789	0.7308	-1.55	1.51
32	0.7967	0.7478	0.7002	-1.61	1.57
33	0.7666	0.7181	0.6710	-1.68	1.63
34	0.7378	0.6897	0.6432	-1.74	1.68
35	0.7102	0.6626	0.6167	-1.80	1.74
36	0.6838	0.6367	0.5914	-1.87	1.80
37	0.6586	0.6120	0.5673	-1.93	1.86
38	0.6344	0.5884	0.5443	-2.00	1.91
39	0.6112	0.5658	0.5224	-2.07	1.97
40	0.5890	0.5442	0.5015	-2.13	2.03
41	0.5678	0.5235	0.4815	-2.20	2.09
42	0.5474	0.5037	0.4624	-2.27	2.15
43	0.5278	0.4848	0.4442	-2.34	2.21
44	0.5091	0.4667	0.4268	-2.41	2.27
45	0.4911	0.4494	0.4102	-2.48	2.33
46	0.4738	0.4328	0.3943	-2.55	2.39
47	0.4573	0.4169	0.3791	-2.62	2.45
48	0.4414	0.4016	0.3645	-2.69	2.51
49	0.4262	0.3870	0.3507	-2.76	2.57
50	0.4115	0.3731	0.3374	-2.83	2.63
51	0.3974	0.3596	0.3246	-2.90	2.69
52	0.3839	0.3468	0.3125	-2.98	2.75
53	0.3710	0.3345	0.3008	-3.05	2.81
54	0.3585	0.3226	0.2896	-3.13	2.88
55	0.3465	0.3113	0.2790	-3.20	2.94
56	0.3350	0.3004	0.2687	-3.27	3.00
57	0.3239	0.2899	0.2589	-3.35	3.06
58	0.3132	0.2799	0.2495	-3.43	3.13
59	0.3030	0.2703	0.2405	-3.50	3.19

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