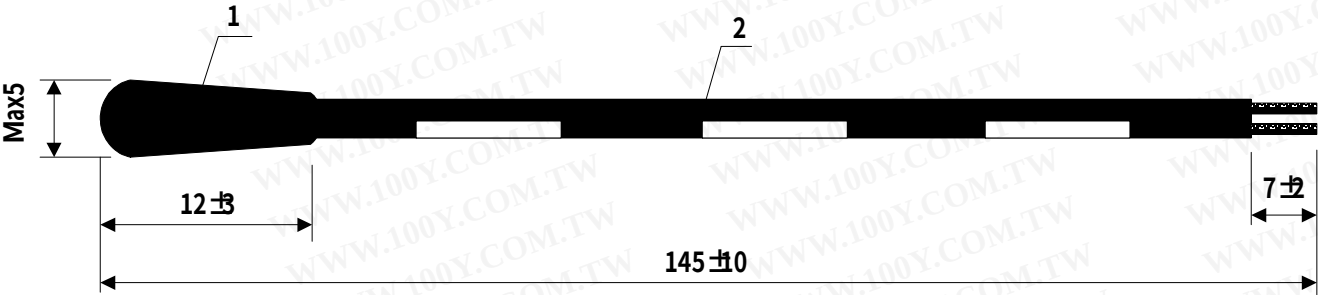


勝特力材料 886-3-5753170
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勝特力电子(深圳) 86-755-83298787
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A. Material List		
NO.	ITEM	DESCRIPTION
1	COATING RESIN	BLACK EPOXY
2	LEAD WIRE	UL2468#24×2C TC線(黑色/黑底白邊)
B. Electrical Characteristic		
ITEM		VALUE
R _{25°C}		0.5K Ω ±5%
B _{25/50°C}		3700K±5%



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THINKING P/N:NTSE0501JG001

NO	PART NAME	PART P/N	Q'TY	MANUFACTRURE 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. NTSE0501JG001

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	0.475	0.5	0.525	KOHM
b.	Resistance At 50°C	R ₅₀	Ta=50°C±0.05°C P _T ≤0.1mW	-----	0.191	-----	KOHM
c.	R ₂₅ / R ₅₀	K	-----	-----	2.6119	-----	-----
d.	B Constant	B	(3853.89* LnK)	3515	3700	3885	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	4.90	mA
c.	Max' Operating Current	1.10	mA

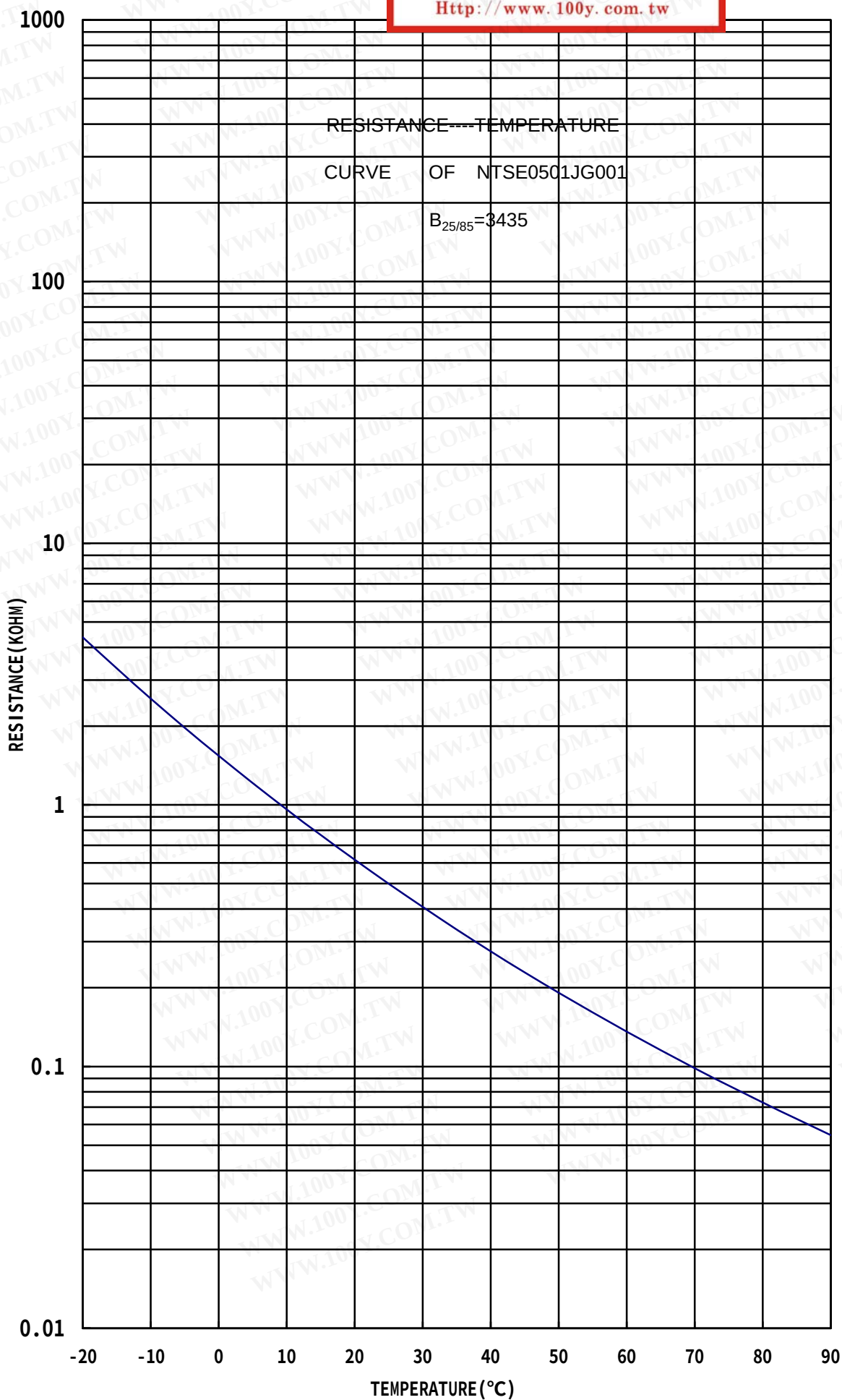
4. Mechanical Characteristics

4-1 Leads Terminal Tensile Strength

Conditions	Tests Result	
Fasten body with a Load Applied to each lead 1 kg for 10 sec.	No break out	OK
	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 mA X 1000 HRS	Within ± 5 %
Insulation test	DC 500 V	MIN: 100 MOHM



R-T TABLE

Part No:NTSE0501JG001

$R_{25^{\circ}\text{C}}=0.5\text{K}\pm 5\%$

$B_{25/50^{\circ}\text{C}}=3700\text{K}\pm 5\%$

T (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temp. Tolerance (°C)	
-20	5.1159	4.3717	3.7264	-3.00	2.60
-19	4.8255	4.1350	3.5345	-2.96	2.58
-18	4.5534	3.9127	3.3537	-2.93	2.56
-17	4.2984	3.7037	3.1833	-2.89	2.53
-16	4.0593	3.5072	3.0227	-2.86	2.51
-15	3.8350	3.3224	2.8711	-2.82	2.48
-14	3.6245	3.1485	2.7282	-2.79	2.46
-13	3.4269	2.9848	2.5932	-2.75	2.43
-12	3.2413	2.8307	2.4658	-2.71	2.41
-11	3.0670	2.6854	2.3455	-2.68	2.38
-10	2.9031	2.5486	2.2318	-2.64	2.36
-9	2.7489	2.4196	2.1243	-2.60	2.33
-8	2.6040	2.2979	2.0227	-2.56	2.30
-7	2.4675	2.1831	1.9266	-2.53	2.28
-6	2.3391	2.0747	1.8356	-2.49	2.25
-5	2.2181	1.9724	1.7495	-2.45	2.22
-4	2.1042	1.8758	1.6680	-2.41	2.19
-3	1.9968	1.7845	1.5908	-2.37	2.16
-2	1.8956	1.6982	1.5176	-2.33	2.14
-1	1.8001	1.6167	1.4483	-2.29	2.11
0	1.7100	1.5395	1.3826	-2.26	2.08
1	1.6249	1.4665	1.3202	-2.22	2.05
2	1.5447	1.3974	1.2610	-2.18	2.02
3	1.4688	1.3320	1.2049	-2.14	1.98
4	1.3972	1.2701	1.1516	-2.10	1.95
5	1.3295	1.2114	1.1010	-2.06	1.92
6	1.2655	1.1557	1.0529	-2.02	1.89
7	1.2049	1.1030	1.0072	-1.97	1.86
8	1.1476	1.0530	0.9638	-1.93	1.82
9	1.0934	1.0056	0.9225	-1.89	1.79
10	1.0421	0.9606	0.8832	-1.85	1.76
11	0.9934	0.9178	0.8459	-1.81	1.72
12	0.9474	0.8773	0.8103	-1.77	1.69
13	0.9037	0.8387	0.7765	-1.73	1.65
14	0.8624	0.8021	0.7442	-1.68	1.62
15	0.8231	0.7673	0.7135	-1.64	1.58
16	0.7859	0.7343	0.6843	-1.60	1.55
17	0.7506	0.7028	0.6564	-1.56	1.51
18	0.7171	0.6729	0.6298	-1.51	1.47
19	0.6853	0.6444	0.6045	-1.47	1.44

R-T TABLE

Part No:NTSE0501JG001

$R_{25^{\circ}\text{C}}=0.5\text{K}\Omega\pm 5\%$

$B_{25/50^{\circ}\text{C}}=3700\text{K}\pm 5\%$

T (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temp. Tolerance (°C)	
20	0.6551	0.6173	0.5803	-1.43	1.40
21	0.6263	0.5915	0.5572	-1.38	1.36
22	0.5991	0.5670	0.5352	-1.34	1.32
23	0.5731	0.5436	0.5142	-1.29	1.28
24	0.5485	0.5213	0.4942	-1.25	1.24
25	0.5250	0.5000	0.4750	-1.25	1.24
26	0.5046	0.4796	0.4547	-1.26	1.25
27	0.4852	0.4602	0.4354	-1.32	1.31
28	0.4666	0.4417	0.4170	-1.38	1.36
29	0.4489	0.4240	0.3995	-1.44	1.42
30	0.4320	0.4072	0.3829	-1.51	1.48
31	0.4158	0.3912	0.3671	-1.57	1.54
32	0.4003	0.3758	0.3520	-1.63	1.59
33	0.3855	0.3612	0.3376	-1.70	1.65
34	0.3713	0.3473	0.3240	-1.76	1.71
35	0.3578	0.3340	0.3109	-1.83	1.77
36	0.3448	0.3212	0.2985	-1.89	1.82
37	0.3324	0.3091	0.2866	-1.96	1.88
38	0.3205	0.2974	0.2753	-2.03	1.94
39	0.3091	0.2863	0.2645	-2.10	2.00
40	0.2982	0.2757	0.2542	-2.16	2.06
41	0.2878	0.2655	0.2444	-2.23	2.12
42	0.2778	0.2558	0.2350	-2.30	2.18
43	0.2681	0.2465	0.2260	-2.37	2.24
44	0.2589	0.2376	0.2175	-2.44	2.30
45	0.2501	0.2291	0.2093	-2.51	2.36
46	0.2416	0.2209	0.2014	-2.58	2.42
47	0.2334	0.2130	0.1939	-2.65	2.48
48	0.2256	0.2055	0.1868	-2.72	2.54
49	0.2181	0.1983	0.1799	-2.80	2.61
50	0.2109	0.1914	0.1733	-2.87	2.67
51	0.2040	0.1848	0.1670	-2.94	2.73
52	0.1973	0.1785	0.1610	-3.02	2.79
53	0.1909	0.1724	0.1553	-3.09	2.85
54	0.1847	0.1665	0.1497	-3.16	2.92
55	0.1788	0.1609	0.1444	-3.24	2.98
56	0.1731	0.1555	0.1394	-3.32	3.04
57	0.1676	0.1503	0.1345	-3.39	3.11
58	0.1623	0.1453	0.1298	-3.47	3.17
59	0.1573	0.1406	0.1253	-3.55	3.24

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R-T TABLE

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$$R_{25^{\circ}\text{C}} = 0.5\text{K} \pm 5\%$$
$$B_{25/50^{\circ}\text{C}}=3700\text{K}\pm 5\%$$
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