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**SPECIFICATION FOR APPROVAL**

CUSTOMER	TRG Components AB
MODEL NO.	DHT-104
PART NO.	DHT0B104G420BSY1(RoHS)
APPLICATION	
CUSTOMER P/N	
ISSUE DATE	Oct.18.2017
REV. NO	
REV. DATE	

FOR CUSTOMER APPROVAL	CHECKED BY
	<i>Haili Gong</i>
	APPROVED BY
	<i>Huaifang Zhang</i>





REVISED RECORD SHEET

REV. NO	REV. DATE	REVISED CONTENT



INDEX	Page
■ Part Number Code	1
■ Structure and Dimensions	2
■ Electrical Characteristics	2
■ Reliability	3
■ Soldering Recommendation	4
■ Max. Power Dissipation Derating Curve	5
■ RoHS Compliant Declaration	5
■ Warehouse Storage Conditions of Products	5
■ Safety Approvals	6
■ Certificates	6
■ R -T Table	7~13

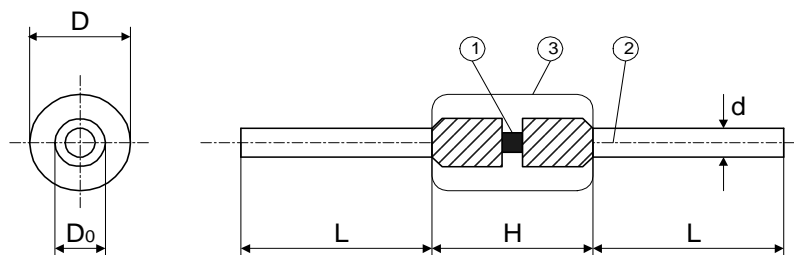
Part Number Code

Example :

DHT **0** **B** **104** **G** **420** **B** **S** **Y1**
(1) **(2)** **(3)** **(4)** **(5)** **(6)** **(7)** **(8)** **(9)**

No.	Item	Digit	Specification
(1)	Product Type	DHT	Thinking NTC thermistor DHT type
(2)	Body Size	0	φ 2 mm x L4 mm (max.)
(3)	Definition of B Value	B	Refer to "Optional Suffix"
(4)	Zero Power Resistance at 25°C	104	$10 \times 10^4 \Omega = 100 \text{ K}\Omega$
(5)	Tolerance of R25	G	±2%
(6)	B Value	420	Refer to "Optional Suffix"
(7)	Tolerance of B Value	B	Refer to "Optional Suffix"
(8)	Appearance	S	Tin-plated CP wire
(9)	Optional Suffix	Y1	RoHS compliance $B_{0/50}:4142\text{K}\pm 2.5\%$

Structure and Dimensions



(unit:mm)

Item	D	H	d	L	D_0
Max	2	4	0.52	29	0.9
Min	----	----	0.48	27	0.7

Electrical Characteristics

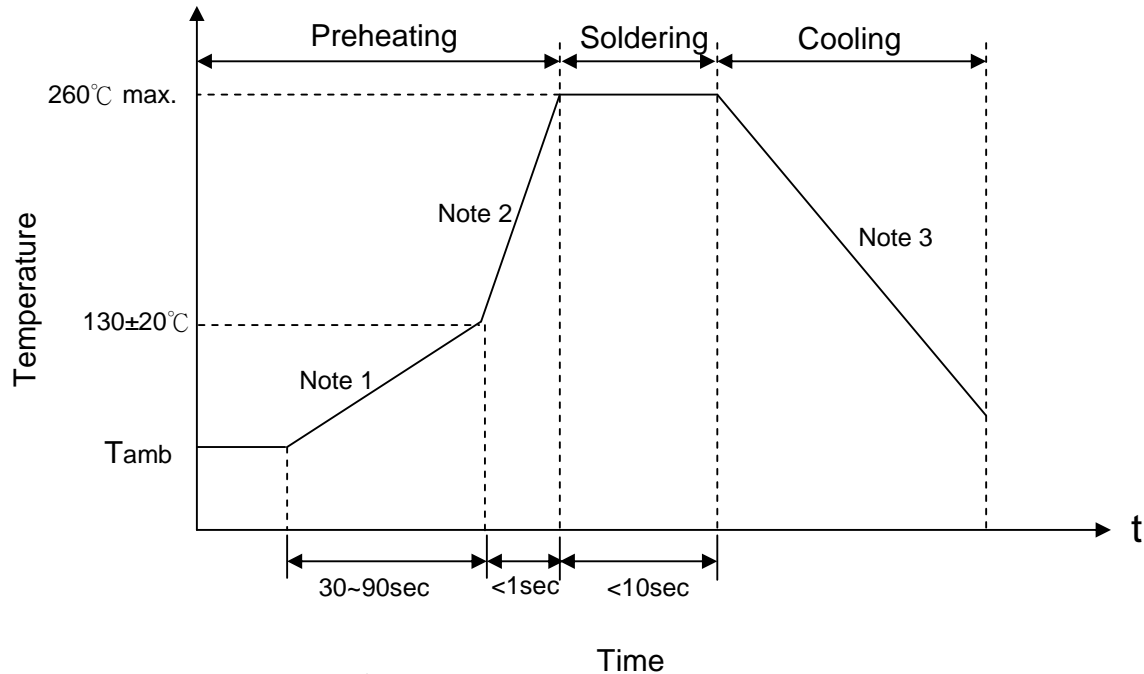
Part No.	Zero Power Resistance at 25°C	Tolerance of $R_{25^\circ\text{C}}$	$B_{0/50}$ Value	Tolerance of B Value	Max. Power Dissipation at 25°C	Dissipation Factor	Thermal Time Constant	Operating Temperature Range
	$R_{25^\circ\text{C}}$ (K Ω)	(\pm %)	(K)	(\pm %)	P_{max} (mW)	δ (mW/°C)	τ (sec.)	$T_L \sim T_U$ (°C)
DHT0B104G420BSY1	100	2	4142	2.5	120	≥ 2	≤ 10	-40 ~+200

Reliability

Item	Standard	Test conditions / Methods	Specifications															
Tensile Strength of Terminals	IEC60068-2-21	<p>Gradually applying the force specified and keeping the unit fixed for 10±1 sec.</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border: none;">Terminal diameter (mm)</td> <td style="text-align: center; border: none;">Force (Kg)</td> </tr> <tr> <td style="text-align: center; border: none;">$\frac{0.3 < d \leq 0.5}{}$</td> <td style="text-align: center; border: none;">$\frac{0.5}{}$</td> </tr> </table>	Terminal diameter (mm)	Force (Kg)	$\frac{0.3 < d \leq 0.5}{}$	$\frac{0.5}{}$	No visible damage											
Terminal diameter (mm)	Force (Kg)																	
$\frac{0.3 < d \leq 0.5}{}$	$\frac{0.5}{}$																	
Bending Strength of Terminals	IEC60068-2-21	<p>Hold specimen and apply the force specified below to each lead. Bend the specimen to 90°, then return to the original position. Repeat the procedure in the opposite direction.</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border: none;">Terminal diameter (mm)</td> <td style="text-align: center; border: none;">Force (Kg)</td> </tr> <tr> <td style="text-align: center; border: none;">$\frac{0.3 < d \leq 0.5}{}$</td> <td style="text-align: center; border: none;">$\frac{0.25}{}$</td> </tr> </table>	Terminal diameter (mm)	Force (Kg)	$\frac{0.3 < d \leq 0.5}{}$	$\frac{0.25}{}$	No visible damage											
Terminal diameter (mm)	Force (Kg)																	
$\frac{0.3 < d \leq 0.5}{}$	$\frac{0.25}{}$																	
Solderability	IEC60068-2-20	245 ± 3 °C , 3 ± 0.3 sec	At least 95% of terminal electrode is covered by new solder															
Resistance to Soldering Heat	IEC60068-2-20	260 ± 3 °C , 10 ± 1 sec	No visible damage $\Delta R_{25}/R_{25}$ ≤ 3 %															
High Temperature Storage	IEC60068-2-2	200 ± 5 °C , 1000 ± 24 hrs	No visible damage $\Delta R_{25}/R_{25}$ ≤ 5 %															
Damp Heat , Steady State	IEC 60068-2-78	40 ± 2 °C , 90 ~ 95 % RH , 1000 ± 24 hrs	No visible damage $\Delta R_{25}/R_{25}$ ≤ 3 %															
Rapid Change of Temperature	IEC60068-2-14	<p>The conditions shown below shall be repeated 5 cycles</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Step</th> <th>Temperature (°C)</th> <th>Period (minutes)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">-40 ± 5</td> <td style="text-align: center;">30 ± 3</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">Room temperature</td> <td style="text-align: center;">5 ± 3</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">200 ± 5</td> <td style="text-align: center;">30 ± 3</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">Room temperature</td> <td style="text-align: center;">5 ± 3</td> </tr> </tbody> </table>	Step	Temperature (°C)	Period (minutes)	1	-40 ± 5	30 ± 3	2	Room temperature	5 ± 3	3	200 ± 5	30 ± 3	4	Room temperature	5 ± 3	No visible damage $\Delta R_{25}/R_{25}$ ≤ 3 %
Step	Temperature (°C)	Period (minutes)																
1	-40 ± 5	30 ± 3																
2	Room temperature	5 ± 3																
3	200 ± 5	30 ± 3																
4	Room temperature	5 ± 3																
Max. Power Dissipation	IEC60539-1 4.26.3	25 ± 5 °C , Pmax. , 1000 ± 24 hrs	No visible damage $\Delta R_{25}/R_{25}$ ≤ 5 %															

Soldering Recommendation

Wave Soldering Profile

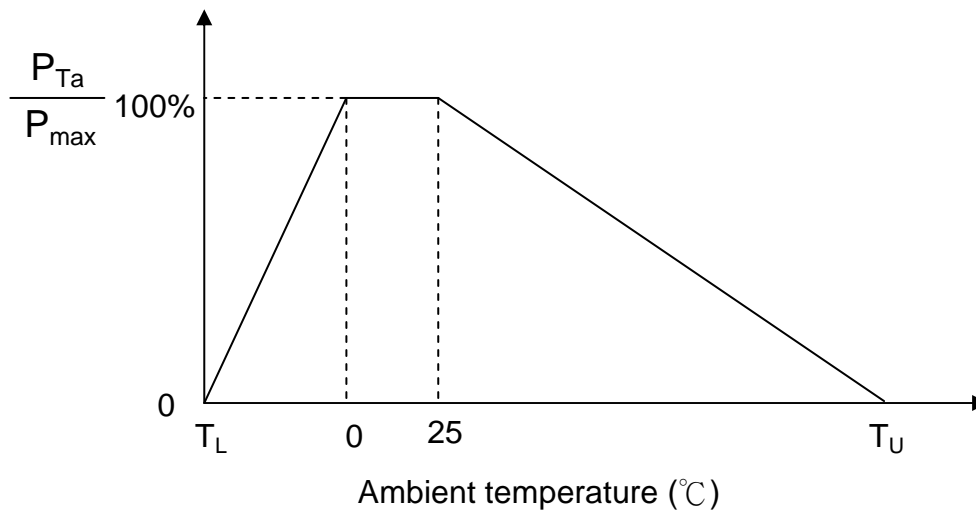


- Note 1 : (1~3)°C/sec
 Note 2 : Approx. 200°C/sec
 Note 3 : 5°C/sec Max

Recommended Reworking Conditions with Soldering Iron

Item	Conditions
Temperature of Soldering Iron-tip	360°C (max.)
Soldering Time	3 sec (max.)
Distance from Thermistor	2 mm (min.)

Max. Power Dissipation Derating Curve



Note: T_L = Minimum operating temperature(°C)

T_U = Maximum operating temperature (°C)

For example :

Ambient temperature(T_a)=55°C

Maximum operating temperature(T_u)=200°C

$P_{Ta} = (T_u - T_a) / (T_u - 25) \times P_{max} = 83\% P_{max}$

RoHS Compliant Declaration

We hereby declare that the components delivered to your company are compliant with RoHS directive 2011/65/EU.

Warehouse Storage Conditions of Products

(I) Storage Conditions :

- 1.Storage Temperature : -10°C ~+40°C
- 2.Relative Humidity : $\leq 75\%RH$
- 3.Keep away from corrosive atmosphere and sunlight.

(II) Period of Storage : 1 year

Safety Approvals (Certified Model/Type : DHT-104)



* UL 1434 / cUL recognized (File # E138827)

Certificates

- (1) TS 16949 certificate
- (2) ISO 9001 certificate

Test Report

- (1) RoHS test report



R - T Table

Part No. : DHT0B104G420BSY1

R25=100KOhm ±2%

B0/50 = 4142 K ± 2.5%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (°C)		Resistance Tol. (%)	
-40	4653.45	4156.30	3710.78	-1.62	1.59	12.0%	-10.7%
-39	4331.18	3875.24	3465.91	-1.62	1.58	11.8%	-10.6%
-38	4034.41	3615.96	3239.62	-1.61	1.57	11.6%	-10.4%
-37	3760.23	3376.01	3029.84	-1.60	1.56	11.4%	-10.3%
-36	3506.42	3153.51	2834.98	-1.59	1.54	11.2%	-10.1%
-35	3271.18	2946.93	2653.76	-1.57	1.53	11.0%	-9.9%
-34	3052.97	2754.98	2485.09	-1.55	1.51	10.8%	-9.8%
-33	2850.44	2576.54	2328.02	-1.53	1.50	10.6%	-9.6%
-32	2662.40	2410.57	2181.69	-1.52	1.48	10.4%	-9.5%
-31	2487.73	2256.15	2045.32	-1.50	1.47	10.3%	-9.3%
-30	2325.42	2112.43	1918.17	-1.48	1.45	10.1%	-9.2%
-29	2174.54	1978.60	1799.60	-1.46	1.44	9.9%	-9.0%
-28	2034.24	1853.96	1688.97	-1.45	1.42	9.7%	-8.9%
-27	1903.73	1737.82	1585.73	-1.43	1.40	9.5%	-8.8%
-26	1782.28	1629.57	1489.35	-1.41	1.39	9.4%	-8.6%
-25	1669.22	1528.65	1399.35	-1.39	1.37	9.2%	-8.5%
-24	1563.95	1434.52	1315.27	-1.38	1.36	9.0%	-8.3%
-23	1465.90	1346.70	1236.70	-1.36	1.34	8.9%	-8.2%
-22	1374.53	1264.75	1163.27	-1.34	1.33	8.7%	-8.0%
-21	1289.38	1188.25	1094.61	-1.32	1.31	8.5%	-7.9%
-20	1209.99	1116.81	1030.40	-1.30	1.30	8.3%	-7.7%
-19	1135.95	1050.09	970.339	-1.29	1.28	8.2%	-7.6%
-18	1066.88	987.756	914.134	-1.27	1.26	8.0%	-7.5%
-17	1002.43	929.496	861.524	-1.25	1.25	7.8%	-7.3%
-16	942.264	875.028	812.265	-1.23	1.23	7.7%	-7.2%
-15	886.082	824.090	766.128	-1.22	1.22	7.5%	-7.0%
-14	833.601	776.436	722.901	-1.20	1.20	7.4%	-6.9%
-13	784.558	731.837	682.386	-1.18	1.18	7.2%	-6.8%
-12	738.710	690.083	644.399	-1.16	1.17	7.0%	-6.6%
-11	695.832	650.976	608.768	-1.15	1.15	6.9%	-6.5%
-10	655.714	614.333	575.334	-1.13	1.14	6.7%	-6.3%
-9	618.163	579.986	543.949	-1.11	1.12	6.6%	-6.2%
-8	582.998	547.775	514.474	-1.09	1.10	6.4%	-6.1%
-7	550.054	517.555	486.781	-1.08	1.08	6.3%	-5.9%
-6	519.176	489.190	460.751	-1.06	1.07	6.1%	-5.8%
-5	490.221	462.554	436.274	-1.04	1.05	6.0%	-5.7%
-4	463.057	437.531	413.247	-1.02	1.03	5.8%	-5.6%
-3	437.561	414.012	391.574	-1.00	1.01	5.7%	-5.4%
-2	413.621	391.898	371.167	-0.98	1.00	5.5%	-5.3%
-1	391.130	371.094	351.944	-0.96	0.98	5.4%	-5.2%



R - T Table

Part No. : DHT0B104G420BSY1

R25=100KOhm ±2%

B0/50 = 4142 K ± 2.5%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (°C)		Resistance Tol. (%)	
0	369.993	351.515	333.827	-0.94	0.96	5.3%	-5.0%
1	350.118	333.082	316.748	-0.92	0.94	5.1%	-4.9%
2	331.424	315.719	300.638	-0.90	0.92	5.0%	-4.8%
3	313.831	299.358	285.438	-0.88	0.90	4.8%	-4.6%
4	297.269	283.935	271.091	-0.86	0.88	4.7%	-4.5%
5	281.672	269.391	257.543	-0.84	0.86	4.6%	-4.4%
6	266.977	255.671	244.746	-0.82	0.84	4.4%	-4.3%
7	253.127	242.722	232.653	-0.80	0.82	4.3%	-4.1%
8	240.069	230.499	221.222	-0.78	0.80	4.2%	-4.0%
9	227.753	218.955	210.413	-0.76	0.78	4.0%	-3.9%
10	216.134	208.051	200.189	-0.74	0.76	3.9%	-3.8%
11	205.169	197.746	190.516	-0.72	0.74	3.8%	-3.7%
12	194.817	188.006	181.361	-0.70	0.72	3.6%	-3.5%
13	185.041	178.796	172.693	-0.68	0.70	3.5%	-3.4%
14	175.806	170.086	164.485	-0.66	0.68	3.4%	-3.3%
15	167.081	161.845	156.710	-0.64	0.66	3.2%	-3.2%
16	158.834	154.046	149.343	-0.61	0.64	3.1%	-3.1%
17	151.036	146.664	142.361	-0.59	0.62	3.0%	-2.9%
18	143.663	139.674	135.742	-0.57	0.59	2.9%	-2.8%
19	136.688	133.054	129.466	-0.55	0.57	2.7%	-2.7%
20	130.088	126.783	123.512	-0.53	0.55	2.6%	-2.6%
21	123.842	120.840	117.865	-0.51	0.53	2.5%	-2.5%
22	117.929	115.208	112.505	-0.48	0.51	2.4%	-2.3%
23	112.329	109.868	107.417	-0.46	0.48	2.2%	-2.2%
24	107.025	104.804	102.587	-0.44	0.46	2.1%	-2.1%
25	102.000	100.000	98.0000	-0.42	0.44	2.0%	-2.0%
26	97.4648	95.4423	93.4245	-0.44	0.47	2.1%	-2.1%
27	93.1556	91.1169	89.0871	-0.47	0.49	2.2%	-2.2%
28	89.0603	87.0108	84.9745	-0.50	0.52	2.4%	-2.3%
29	85.1671	83.1120	81.0739	-0.53	0.55	2.5%	-2.5%
30	81.4653	79.4089	77.3734	-0.56	0.58	2.6%	-2.6%
31	77.9444	75.8909	73.8619	-0.58	0.61	2.7%	-2.7%
32	74.5948	72.5478	70.5287	-0.61	0.64	2.8%	-2.8%
33	71.4073	69.3700	67.3639	-0.64	0.66	2.9%	-2.9%
34	68.3734	66.3487	64.3583	-0.67	0.69	3.1%	-3.0%
35	65.4848	63.4754	61.5030	-0.70	0.72	3.2%	-3.1%
36	62.7339	60.7420	58.7898	-0.73	0.75	3.3%	-3.2%
37	60.1134	58.1411	56.2110	-0.76	0.78	3.4%	-3.3%
38	57.6165	55.6655	53.7591	-0.79	0.81	3.5%	-3.4%
39	55.2367	53.3087	51.4273	-0.82	0.84	3.6%	-3.5%

R - T Table

Part No. : DHT0B104G420BSY1

R25=100KOhm ±2%

B0/50 = 4142 K ± 2.5%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol.		Resistance Tol.	
				(°C)		(%)	
40	52.9681	51.0642	49.2092	-0.85	0.87	3.7%	-3.6%
41	50.8047	48.9263	47.0985	-0.88	0.90	3.8%	-3.7%
42	48.7412	46.8892	45.0895	-0.91	0.93	3.9%	-3.8%
43	46.7725	44.9477	43.1769	-0.94	0.96	4.1%	-3.9%
44	44.8937	43.0969	41.3555	-0.97	0.99	4.2%	-4.0%
45	43.1002	41.3320	39.6204	-1.00	1.02	4.3%	-4.1%
46	41.3878	39.6486	37.9672	-1.03	1.05	4.4%	-4.2%
47	39.7523	38.0424	36.3916	-1.06	1.08	4.5%	-4.3%
48	38.1899	36.5097	34.8895	-1.10	1.11	4.6%	-4.4%
49	36.6969	35.0466	33.4571	-1.13	1.14	4.7%	-4.5%
50	35.2700	33.6496	32.0908	-1.16	1.17	4.8%	-4.6%
51	33.9058	32.3154	30.7873	-1.19	1.20	4.9%	-4.7%
52	32.6013	31.0409	29.5432	-1.22	1.23	5.0%	-4.8%
53	31.3536	29.8230	28.3557	-1.26	1.26	5.1%	-4.9%
54	30.1599	28.6590	27.2219	-1.29	1.29	5.2%	-5.0%
55	29.0176	27.5462	26.1391	-1.32	1.32	5.3%	-5.1%
56	27.9242	26.4822	25.1046	-1.36	1.35	5.4%	-5.2%
57	26.8774	25.4645	24.1162	-1.39	1.38	5.5%	-5.3%
58	25.8749	24.4909	23.1716	-1.42	1.42	5.7%	-5.4%
59	24.9148	23.5592	22.2685	-1.46	1.45	5.8%	-5.5%
60	23.9950	22.6676	21.4051	-1.49	1.48	5.9%	-5.6%
61	23.1135	21.8140	20.5792	-1.52	1.51	6.0%	-5.7%
62	22.2688	20.9966	19.7892	-1.56	1.54	6.1%	-5.8%
63	21.4589	20.2138	19.0334	-1.59	1.57	6.2%	-5.8%
64	20.6824	19.4639	18.3100	-1.62	1.61	6.3%	-5.9%
65	19.9377	18.7455	17.6175	-1.66	1.64	6.4%	-6.0%
66	19.2233	18.0569	16.9545	-1.69	1.67	6.5%	-6.1%
67	18.5379	17.3969	16.3196	-1.73	1.70	6.6%	-6.2%
68	17.8802	16.7642	15.7115	-1.76	1.73	6.7%	-6.3%
69	17.2490	16.1574	15.1289	-1.80	1.77	6.8%	-6.4%
70	16.6430	15.5755	14.5706	-1.83	1.80	6.9%	-6.5%
71	16.0611	15.0172	14.0356	-1.87	1.83	7.0%	-6.5%
72	15.5023	14.4816	13.5227	-1.91	1.87	7.0%	-6.6%
73	14.9656	13.9676	13.0310	-1.94	1.90	7.1%	-6.7%
74	14.4500	13.4743	12.5594	-1.98	1.93	7.2%	-6.8%
75	13.9546	13.0007	12.1071	-2.01	1.96	7.3%	-6.9%
76	13.4785	12.5459	11.6732	-2.05	2.00	7.4%	-7.0%
77	13.0208	12.1092	11.2569	-2.09	2.03	7.5%	-7.0%
78	12.5808	11.6897	10.8574	-2.12	2.07	7.6%	-7.1%
79	12.1578	11.2868	10.4739	-2.16	2.10	7.7%	-7.2%



R - T Table

Part No. : DHT0B104G420BSY1

R25=100KOhm ±2%

B0/50 = 4142 K ± 2.5%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol.		Resistance Tol.	
				(°C)		(%)	
80	11.7510	10.8996	10.1058	-2.20	2.13	7.8%	-7.3%
81	11.3597	10.5275	9.75231	-2.24	2.17	7.9%	-7.4%
82	10.9832	10.1698	9.41285	-2.27	2.20	8.0%	-7.4%
83	10.6210	9.82596	9.08679	-2.31	2.24	8.1%	-7.5%
84	10.2725	9.49537	8.77355	-2.35	2.27	8.2%	-7.6%
85	9.93697	9.17744	8.47258	-2.39	2.31	8.3%	-7.7%
86	9.61401	8.87166	8.18335	-2.43	2.34	8.4%	-7.8%
87	9.30308	8.57750	7.90534	-2.47	2.37	8.5%	-7.8%
88	9.00366	8.29447	7.63808	-2.51	2.41	8.6%	-7.9%
89	8.71529	8.02212	7.38112	-2.55	2.45	8.6%	-8.0%
90	8.43752	7.75999	7.13401	-2.58	2.48	8.7%	-8.1%
91	8.16991	7.50766	6.89633	-2.62	2.52	8.8%	-8.1%
92	7.91204	7.26472	6.66769	-2.66	2.55	8.9%	-8.2%
93	7.66354	7.03079	6.44771	-2.70	2.59	9.0%	-8.3%
94	7.42401	6.80550	6.23602	-2.75	2.62	9.1%	-8.4%
95	7.19311	6.58849	6.03228	-2.79	2.66	9.2%	-8.4%
96	6.97047	6.37943	5.83616	-2.83	2.70	9.3%	-8.5%
97	6.75578	6.17798	5.64734	-2.87	2.73	9.4%	-8.6%
98	6.54872	5.98385	5.46552	-2.91	2.77	9.4%	-8.7%
99	6.34898	5.79673	5.29040	-2.95	2.81	9.5%	-8.7%
100	6.15627	5.61635	5.12173	-2.99	2.84	9.6%	-8.8%
101	5.97033	5.44243	4.95923	-3.04	2.88	9.7%	-8.9%
102	5.79088	5.27472	4.80264	-3.08	2.92	9.8%	-8.9%
103	5.61767	5.11296	4.65174	-3.12	2.96	9.9%	-9.0%
104	5.45045	4.95693	4.50629	-3.16	2.99	10.0%	-9.1%
105	5.28900	4.80639	4.36607	-3.21	3.03	10.0%	-9.2%
106	5.13309	4.66113	4.23087	-3.25	3.07	10.1%	-9.2%
107	4.98251	4.52094	4.10049	-3.29	3.11	10.2%	-9.3%
108	4.83705	4.38562	3.97474	-3.34	3.15	10.3%	-9.4%
109	4.69652	4.25499	3.85342	-3.38	3.18	10.4%	-9.4%
110	4.56072	4.12885	3.73638	-3.42	3.22	10.5%	-9.5%
111	4.42949	4.00704	3.62344	-3.47	3.26	10.5%	-9.6%
112	4.30264	3.88939	3.51443	-3.51	3.30	10.6%	-9.6%
113	4.18001	3.77574	3.40921	-3.56	3.34	10.7%	-9.7%
114	4.06144	3.66593	3.30762	-3.60	3.38	10.8%	-9.8%
115	3.94678	3.55982	3.20952	-3.65	3.42	10.9%	-9.8%
116	3.83589	3.45727	3.11479	-3.69	3.46	11.0%	-9.9%
117	3.72861	3.35815	3.02328	-3.74	3.49	11.0%	-10.0%
118	3.62483	3.26231	2.93488	-3.78	3.53	11.1%	-10.0%
119	3.52441	3.16965	2.84946	-3.83	3.57	11.2%	-10.1%



R - T Table

Part No. : DHT0B104G420BSY1

R25=100KOhm ±2%

B0/50 = 4142 K ± 2.5%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol.		Resistance Tol.	
				(°C)		(%)	
120	3.42722	3.08004	2.76691	-3.87	3.61	11.3%	-10.2%
121	3.33315	2.99336	2.68713	-3.92	3.65	11.4%	-10.2%
122	3.24209	2.90951	2.61001	-3.97	3.69	11.4%	-10.3%
123	3.15392	2.82839	2.53544	-4.01	3.73	11.5%	-10.4%
124	3.06854	2.74989	2.46334	-4.06	3.77	11.6%	-10.4%
125	2.98585	2.67391	2.39360	-4.11	3.81	11.7%	-10.5%
126	2.90576	2.60037	2.32615	-4.15	3.85	11.7%	-10.5%
127	2.82816	2.52917	2.26089	-4.20	3.89	11.8%	-10.6%
128	2.75298	2.46024	2.19774	-4.25	3.93	11.9%	-10.7%
129	2.68012	2.39348	2.13664	-4.29	3.97	12.0%	-10.7%
130	2.60950	2.32882	2.07750	-4.34	4.01	12.1%	-10.8%
131	2.54105	2.26619	2.02025	-4.39	4.05	12.1%	-10.9%
132	2.47469	2.20551	1.96482	-4.44	4.09	12.2%	-10.9%
133	2.41035	2.14671	1.91115	-4.48	4.13	12.3%	-11.0%
134	2.34795	2.08973	1.85917	-4.53	4.17	12.4%	-11.0%
135	2.28743	2.03450	1.80882	-4.58	4.22	12.4%	-11.1%
136	2.22872	1.98097	1.76005	-4.63	4.26	12.5%	-11.2%
137	2.17177	1.92906	1.71280	-4.68	4.30	12.6%	-11.2%
138	2.11650	1.87874	1.66701	-4.72	4.34	12.7%	-11.3%
139	2.06288	1.82993	1.62264	-4.77	4.38	12.7%	-11.3%
140	2.01083	1.78259	1.57962	-4.82	4.42	12.8%	-11.4%
141	1.96031	1.73667	1.53793	-4.87	4.46	12.9%	-11.4%
142	1.91126	1.69212	1.49750	-4.92	4.50	13.0%	-11.5%
143	1.86364	1.64889	1.45830	-4.97	4.54	13.0%	-11.6%
144	1.81740	1.60694	1.42029	-5.02	4.58	13.1%	-11.6%
145	1.77249	1.56623	1.38341	-5.07	4.63	13.2%	-11.7%
146	1.72887	1.52671	1.34764	-5.12	4.67	13.2%	-11.7%
147	1.68649	1.48834	1.31294	-5.16	4.71	13.3%	-11.8%
148	1.64533	1.45109	1.27927	-5.21	4.75	13.4%	-11.8%
149	1.60533	1.41492	1.24660	-5.26	4.79	13.5%	-11.9%
150	1.56646	1.37979	1.21488	-5.31	4.83	13.5%	-12.0%
151	1.52868	1.34567	1.18410	-5.36	4.88	13.6%	-12.0%
152	1.49196	1.31253	1.15422	-5.41	4.92	13.7%	-12.1%
153	1.45626	1.28033	1.12521	-5.46	4.96	13.7%	-12.1%
154	1.42156	1.24905	1.09703	-5.51	5.00	13.8%	-12.2%
155	1.38782	1.21865	1.06968	-5.56	5.04	13.9%	-12.2%
156	1.35501	1.18911	1.04311	-5.62	5.08	14.0%	-12.3%
157	1.32309	1.16040	1.01730	-5.67	5.13	14.0%	-12.3%
158	1.29206	1.13248	0.99222	-5.72	5.17	14.1%	-12.4%
159	1.26187	1.10535	0.96786	-5.77	5.21	14.2%	-12.4%



R - T Table

Part No. : DHT0B104G420BSY1

R25=100KOhm ±2%

B0/50 = 4142 K ± 2.5%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol.		Resistance Tol.	
				(°C)		(%)	
160	1.23249	1.07897	0.94419	-5.82	5.25	14.2%	-12.5%
161	1.20392	1.05332	0.92119	-5.87	5.30	14.3%	-12.5%
162	1.17611	1.02838	0.89884	-5.92	5.34	14.4%	-12.6%
163	1.14905	1.00412	0.87711	-5.97	5.38	14.4%	-12.6%
164	1.12272	0.98052	0.85599	-6.03	5.43	14.5%	-12.7%
165	1.09708	0.95757	0.83546	-6.08	5.47	14.6%	-12.8%
166	1.07213	0.93524	0.81549	-6.13	5.51	14.6%	-12.8%
167	1.04784	0.91351	0.79608	-6.18	5.55	14.7%	-12.9%
168	1.02419	0.89237	0.77721	-6.24	5.60	14.8%	-12.9%
169	1.00117	0.87180	0.75885	-6.29	5.64	14.8%	-13.0%
170	0.97875	0.85178	0.74099	-6.34	5.69	14.9%	-13.0%
171	0.95691	0.83229	0.72362	-6.40	5.73	15.0%	-13.1%
172	0.93564	0.81333	0.70672	-6.45	5.77	15.0%	-13.1%
173	0.91492	0.79486	0.69028	-6.50	5.82	15.1%	-13.2%
174	0.89475	0.77689	0.67428	-6.56	5.86	15.2%	-13.2%
175	0.87509	0.75939	0.65872	-6.61	5.91	15.2%	-13.3%
176	0.85593	0.74234	0.64357	-6.67	5.95	15.3%	-13.3%
177	0.83727	0.72575	0.62883	-6.72	6.00	15.4%	-13.4%
178	0.81908	0.70958	0.61448	-6.77	6.04	15.4%	-13.4%
179	0.80136	0.69384	0.60051	-6.83	6.09	15.5%	-13.5%
180	0.78409	0.67851	0.58691	-6.89	6.13	15.6%	-13.5%
181	0.76726	0.66357	0.57367	-6.94	6.18	15.6%	-13.5%
182	0.75085	0.64902	0.56078	-7.00	6.22	15.7%	-13.6%
183	0.73485	0.63484	0.54822	-7.05	6.27	15.8%	-13.6%
184	0.71925	0.62103	0.53600	-7.11	6.32	15.8%	-13.7%
185	0.70405	0.60756	0.52409	-7.17	6.36	15.9%	-13.7%
186	0.68922	0.59445	0.51250	-7.22	6.41	15.9%	-13.8%
187	0.67477	0.58166	0.50120	-7.28	6.46	16.0%	-13.8%
188	0.66067	0.56920	0.49020	-7.34	6.50	16.1%	-13.9%
189	0.64692	0.55705	0.47948	-7.40	6.55	16.1%	-13.9%
190	0.63351	0.54521	0.46903	-7.46	6.60	16.2%	-14.0%
191	0.62042	0.53367	0.45886	-7.52	6.65	16.3%	-14.0%
192	0.60766	0.52241	0.44894	-7.57	6.70	16.3%	-14.1%
193	0.59522	0.51144	0.43928	-7.63	6.74	16.4%	-14.1%
194	0.58307	0.50074	0.42986	-7.69	6.79	16.4%	-14.2%
195	0.57122	0.49030	0.42068	-7.75	6.84	16.5%	-14.2%
196	0.55966	0.48013	0.41173	-7.81	6.89	16.6%	-14.2%
197	0.54837	0.47020	0.40301	-7.88	6.94	16.6%	-14.3%
198	0.53736	0.46052	0.39451	-7.94	6.99	16.7%	-14.3%
199	0.52662	0.45108	0.38622	-8.00	7.04	16.7%	-14.4%

