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SPECIFICATION FOR APPROVAL

CUSTOMER	Communica
CERTIFIED MODEL/TYPE	DHT-502
PART NO.	DHT0B502J3553SY1(RoHS)
APPLICATION	
CUSTOMER P/N	
ISSUE DATE	Aug.21.2023
REV. NO.	
REV. DATE	

FOR CUSTOMER APPROVAL	CHECKED BY
	Haili Gong
	APPROVED BY
	Huaifang Zhang

REVISED RECORD SHEET

REV. NO	REV. DATE	REVISED CONTENT

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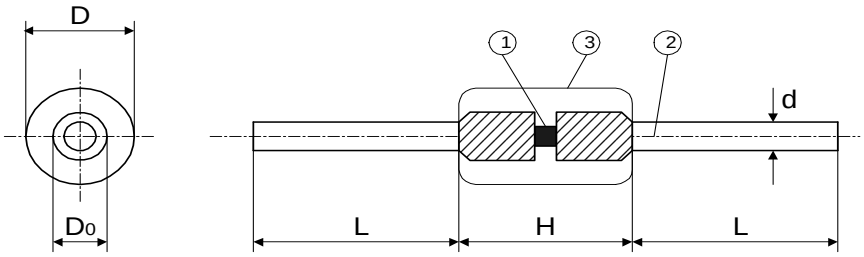
Part Number Code

Example :

DHT	0	B	502	J	355	3	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	$B_{25/50}$
(4)	Zero Power Resistance at 25℃	502	$50x\ 10^2\ \Omega = 5K\Omega$
(5)	Tolerance of R25	J	± 5%
(6)	B Value	355	3550K
(7)	Tolerance of B Value	3	±3%
(8)	Appearance	S	Tin-plated CP wire
(9)	Optional Suffix	Y1	RoHS compliance

Structure and Dimensions



(unit:mm)

D max.	H max.	d	L	D_0
2	4	0.47±0.02	28± 1	0.7 ~0.9

Electrical Characteristics

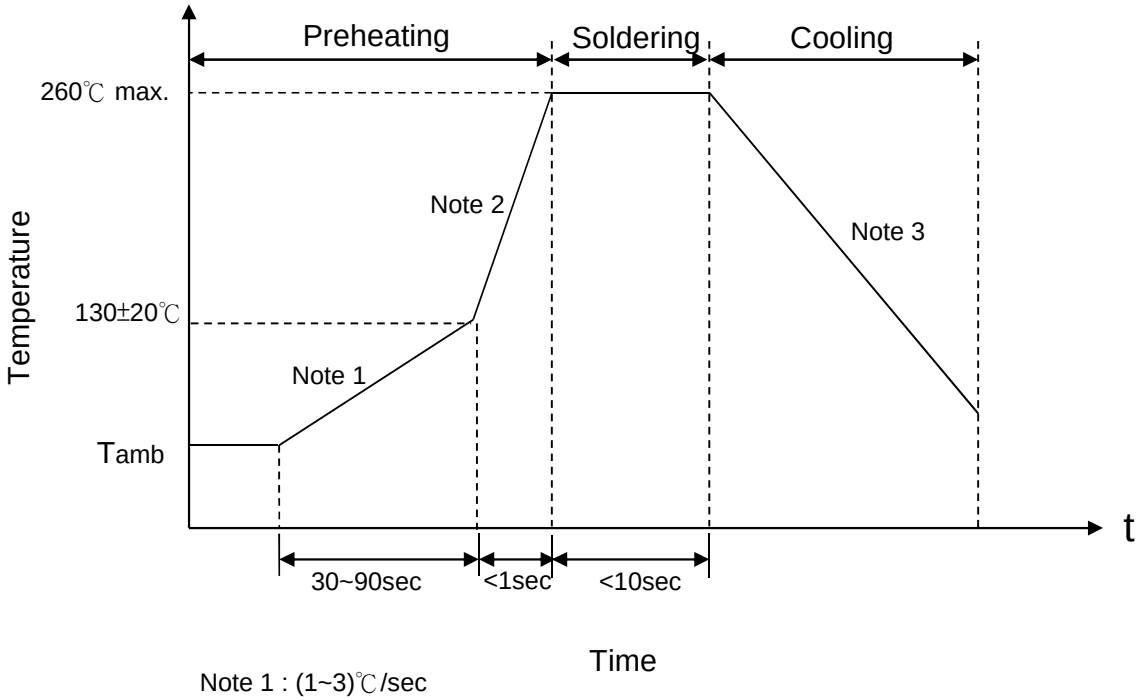
Part No.	Zero Power Resistance at 25℃	Tolerance of $R_{25℃}$	$B_{25/50}$ Value	Tolerance of B Value	Max. Power Dissipation at 25℃	Dissipation Factor	Thermal Time Constant	Operating Temperature Range
	$R_{25℃}$ (KΩ)	(± %)	(K)	(± %)	P_{max}(mW)	δ(mW/℃)	τ (sec.)	T_L ~T_U (℃)
DHT0B502J3553SY1	5	5	3550	3	120	≧2	≦10	-40 ~+200

Reliability

<table>
<tr><th>Item</th><th>Standard</th><th>Test conditions / Methods</th><th>Specifications</th></tr>
<tr><td>Tensile Strength of Terminals</td><td>IEC60068-2-21</td><td>Gradually applying the force specified and keeping the unit fixed for 10±1 sec.
<table><tr><th>Terminal diameter (mm)</th><th>Force (Kg)</th></tr><tr><td>0.3<d≦0.5</td><td>0.5</td></tr></table></td><td>No visible damage
｜△R25/R25｜≦ 3 %</td></tr>
<tr><td>Bending Strength of Terminals</td><td>IEC60068-2-21</td><td>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.
<table><tr><th>Terminal diameter (mm)</th><th>Force (Kg)</th></tr><tr><td>0.3<d≦0.5</td><td>0.25</td></tr></table></td><td>No visible damage
｜△R25/R25｜≦ 3 %</td></tr>
<tr><td>Solderability</td><td>IEC60068-2-20</td><td>245 ± 5 ℃ , 3 ± 0.5 sec</td><td>At least 95% of terminal electrode is covered by new solder</td></tr>
<tr><td>Resistance to Soldering Heat</td><td>IEC60068-2-20</td><td>260 ± 3 ℃ , 10 ± 1 sec</td><td>No visible damage
｜△R_{25}/R_{25}｜≦3 %</td></tr>
<tr><td>High Temperature Storage</td><td>IEC60068-2-2</td><td>200± 5 ℃ , 1000 ± 24 hrs</td><td>No visible damage
｜△R_{25}/R_{25}｜≦ 5 %</td></tr>
<tr><td>Damp Heat , Steady State</td><td>IEC 60068-2-78</td><td>40 ± 2 ℃ , 9 0 ~ 95 % RH , 1000 ± 24 hrs</td><td>No visible damage
｜△R_{25}/R_{25}｜≦ 3 %</td></tr>
<tr><td>Rapid Change of Temperature</td><td>IEC60068-2-14</td><td>The conditions shown below shall be repeated 5 cycles
<table><tr><th>Step</th><th>Temperature (℃)</th><th>Period (minutes)</th></tr><tr><td>1</td><td>-40 ± 5</td><td>30 ± 3</td></tr><tr><td>2</td><td>Room temperature</td><td>5 ± 3</td></tr><tr><td>3</td><td>200 ± 5</td><td>30 ± 3</td></tr><tr><td>4</td><td>Room temperature</td><td>5 ± 3</td></tr></table></td><td>No visible damage
｜△R_{25}/R_{25}｜≦ 3 %</td></tr>
<tr><td>Max. Power Dissipation</td><td>IEC60539-1 4.26.3</td><td>25 ± 5 ℃, Pmax. , 1000 ± 24 hrs</td><td>No visible damage
｜△R_{25}/R_{25}｜≦ 5 %</td></tr>
<tr><td>Dissipation Factor (δ)</td><td>Specifcation</td><td>Dissipation factor is ration of thermistor’s temperature change caused by its dissipation power under specific ambienttemperature. which stands for dissipation power for thermistor’s increase of 1℃.
δ =V*I / T2-T1(mW/℃)</td><td>≧2mW/℃</td></tr>
<tr><td>Thermal Time Constant(τ)</td><td>Specifcation</td><td>The thermal time constant is a 63.2% change of thermistor’s body temperature from its initial temperature (T0) tospecific temperature (T1) under zero-power conditions.</td><td>≦10Sec</td></tr>
</table>

Soldering Recommendation

■ Wave Soldering Profile

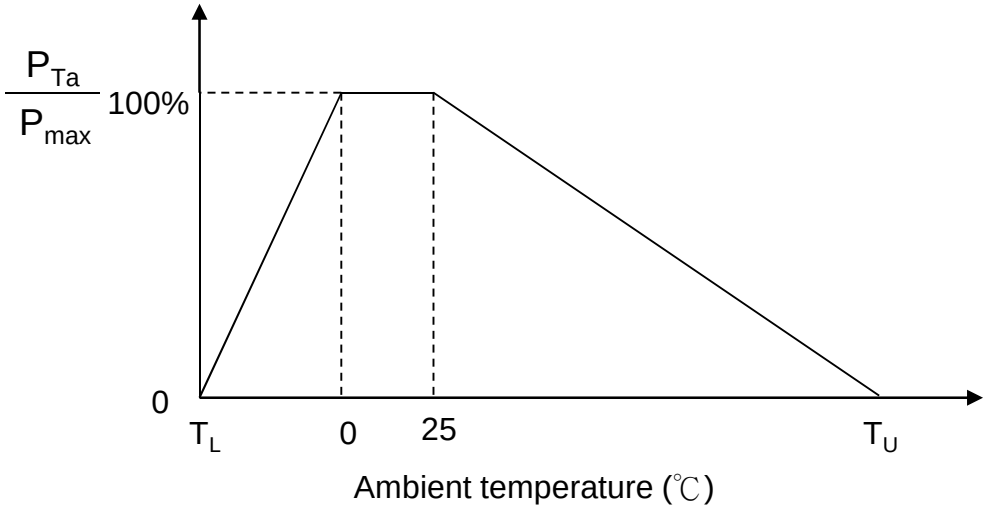


Note 1 : (1~3)℃/sec
Note 2 : Approx. 200℃/sec
Note 3 : 5℃/sec Max

■ Recommended Reworking Conditions with Soldering Iron

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

Max. Power Dissipation Derating Curve



Note: T_L = Minimum operating temperature(℃)

T_U = Maximum operating temperature (℃)

For example：

Ambient temperature(Ta)＝55℃

Maximum operating temperature(Tu)＝200℃

P_{Ta}=(Tu-Ta)/(Tu-25)×Pmax＝83% Pmax

RoHS Compliant Declaration

We hereby declare that the components delivered to your company are compliant with RoHS directive 2015/863/EU.

Warehouse Storage Conditions of Products

(I) Storage Conditions :

1.Storage Temperature : -10℃~+40℃

2.Relative Humidity : ≦75%RH(not dewing condition)

3.Keep away from corrosive atmosphere and sunlight.

(II) Period of Storage : 1 year

Install and use

1. Use this product within the specified temperature range.
2. Higher temperature may cause deterioration of the characteristics or the material quality of this product.
3. Do not melt the solder in resin head, when you solder this product. If you melt the solder in resin head, it has possibility that the break of wire, short and insulation damage.
4. Do not touch the resin head directly by solder iron. It may cause the melt of solder in resin head.
5. At least away from resin head 10mm above when lead dividing.
6. In case you cut the lead wire of this product less than 10mm from resin head, the heat of melted solder at lead wire edge is propagated easily to the resin head along the lead wire.
7. Radius of lead bending should be more than 2mm when lead bending. Holding element by side lead wire is recommended when lead wire is bent or cut.
8. Do not apply an excessive force to the lead. Otherwise, it may cause junction between lead and element to break or crack.
9. The ceramic element of this product is fragile, and care must be taken not to load an excessive press-force or not to give a shock at handling. Such forces may cause cracking or chipping.
10. If you mold by resin this product, please evaluate the quality of this product before you use it.

Storage place condition

To keep solderability of product from declining, the following storage condition is recommended.

1. Storage condition:
   Temperature -10℃ to +40℃
   Humidity less than 75%RH (not dewing condition)
2. Storage term:
   Use this product within 1 year after delivery by first-in and first-out stocking system.
3. Handling after unpacking:
   After unpacking, reseal product promptly or store it in a sealed container with a drying agent.
4. Storage place:
   Do not store this product in corrosive gas (Sulfuric acid gas, Chlorine gas, etc.) or in direct sunlight.

Warn and note item

This product is designed for application in an ordinary environment (normal room temperature, humidity and atmospheric pressure).

Do not use under the following conditions because all of these factors can deteriorate the product characteristics or cause failures and burn-out.

1. Corrosive gas or deoxidizing gas (Chlorine gas, Hydrogen sulfide gas, Ammonia gas, Sulfuric acid gas, Nitric oxide gas, etc.)
2. Volatile or flammable gas
3. Dusty conditions
4. Under vacuum, or under high or low pressure
5. Wet or humid locations; soak in the liquid or wash with liquid
6. Places with salt water, oils, chemical liquids or organic solvents and do not use directly with quick-drying glue.
7. Strong vibrations
8. Other places where similar hazardous conditions exist
9. Be sure to provide an appropriate fail-safe function on your product to prevent secondary damages that may be caused by the abnormal function or the failure of our product.
10. This series is manufactured and promoted for applying in general electronics devices such as audio-video equipment, home electric appliance, office automation equipment, communication equipment ,power module, LED lighting, measurement hardware, machine accessory, etc.
11. This series cannot be applied in area like automotive product, military,aerospace , etc. except general electronic device, Thinking shall not be held liable for any malfunction or breakdown caused by using product in the condition which is inconsistent with that recommended by Thinking.

Safety Approvals **(Certified Model/Type : DHT-502)**

* UL 1434 / cUL recognized (File # E138827)

Certificates

(1) IATF 16949 certificate
(2) ISO 9001 certificate

Test Report

(1) RoHS test report

R - T Table

Part No. : DHT0B502J3553SY1

R25=5KOhm ±5%

B25/50 = 3550 K ±3%

Temperature (℃)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (℃)		Resistance Tol. (%)	
-40	138.1324	119.6033	103.3008	-1.17	1.21	15.5%	-13.6%
-39	129.8047	112.5964	97.4252	-1.20	1.23	15.3%	-13.5%
-38	122.0358	106.0479	91.9241	-1.22	1.23	15.1%	-13.3%
-37	114.7846	99.9247	86.7712	-1.23	1.23	14.9%	-13.2%
-36	108.0132	94.1966	81.9421	-1.22	1.21	14.7%	-13.0%
-35	101.6868	88.8356	77.4144	-1.21	1.20	14.5%	-12.9%
-34	95.7734	83.8156	73.1674	-1.19	1.17	14.3%	-12.7%
-33	90.2434	79.113	69.182	-1.16	1.15	14.1%	-12.6%
-32	85.0694	74.7055	65.4402	-1.14	1.13	13.9%	-12.4%
-31	80.2264	70.5729	61.9258	-1.12	1.11	13.7%	-12.3%
-30	75.6911	66.6962	58.6234	-1.10	1.10	13.5%	-12.1%
-29	71.4419	63.0581	55.5189	-1.08	1.08	13.3%	-12.0%
-28	67.4591	59.6422	52.5993	-1.07	1.07	13.1%	-11.8%
-27	63.7244	56.4338	49.8523	-1.05	1.06	12.9%	-11.7%
-26	60.2206	53.4188	47.2668	-1.04	1.06	12.7%	-11.5%
-25	56.9322	50.5845	44.8322	-1.04	1.05	12.5%	-11.4%
-24	53.8446	47.9189	42.5387	-1.03	1.04	12.4%	-11.2%
-23	50.9443	45.4109	40.3774	-1.02	1.04	12.2%	-11.1%
-22	48.2187	43.0503	38.3398	-1.02	1.03	12.0%	-10.9%
-21	45.6563	40.8275	36.418	-1.01	1.02	11.8%	-10.8%
-20	43.2464	38.7336	34.6049	-1.00	1.01	11.7%	-10.7%
-19	40.979	36.7603	32.8935	-0.99	1.00	11.5%	-10.5%
-18	38.8447	34.9001	31.2777	-0.98	0.99	11.3%	-10.4%
-17	36.835	33.1457	29.7514	-0.96	0.97	11.1%	-10.2%
-16	34.9418	31.4905	28.3092	-0.95	0.96	11.0%	-10.1%
-15	33.1578	29.9283	26.9459	-0.93	0.94	10.8%	-10.0%
-14	31.4759	28.4534	25.6568	-0.91	0.92	10.6%	-9.8%
-13	29.8897	27.0602	24.4374	-0.90	0.90	10.5%	-9.7%
-12	28.3933	25.7439	23.2835	-0.88	0.88	10.3%	-9.6%
-11	26.9809	24.4998	22.1912	-0.86	0.86	10.1%	-9.4%
-10	25.6475	23.3234	21.1568	-0.84	0.85	10.0%	-9.3%
-9	24.3881	22.2107	20.177	-0.82	0.83	9.8%	-9.2%
-8	23.1982	21.1578	19.2486	-0.80	0.81	9.6%	-9.0%
-7	22.0736	20.1612	18.3685	-0.78	0.79	9.5%	-8.9%
-6	21.0103	19.2177	17.5341	-0.76	0.77	9.3%	-8.8%
-5	20.0046	18.3239	16.7425	-0.74	0.75	9.2%	-8.6%
-4	19.053	17.4771	15.9915	-0.72	0.73	9.0%	-8.5%
-3	18.1525	16.6745	15.2786	-0.70	0.72	8.9%	-8.4%
-2	17.2998	15.9136	14.6018	-0.68	0.70	8.7%	-8.2%
-1	16.4923	15.1919	13.959	-0.67	0.68	8.6%	-8.1%

R - T Table

Part No. : DHT0B502J3553SY1

R25=5KOhm ±5%

B25/50 = 3550 K ±3%

Temperature (℃)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (℃)		Resistance Tol. (%)	
0	15.7272	14.5072	13.3484	-0.65	0.67	8.4%	-8.0%
1	15.0021	13.8574	12.768	-0.63	0.65	8.3%	-7.9%
2	14.3147	13.2405	12.2163	-0.62	0.64	8.1%	-7.7%
3	13.6628	12.6547	11.6917	-0.60	0.62	8.0%	-7.6%
4	13.0444	12.0983	11.1927	-0.59	0.61	7.8%	-7.5%
5	12.4576	11.5695	10.7179	-0.57	0.59	7.7%	-7.4%
6	11.9006	11.067	10.266	-0.56	0.58	7.5%	-7.2%
7	11.3718	10.5892	9.8358	-0.55	0.56	7.4%	-7.1%
8	10.8694	10.1347	9.4261	-0.53	0.55	7.2%	-7.0%
9	10.3922	9.7024	9.0358	-0.52	0.54	7.1%	-6.9%
10	9.9386	9.291	8.6639	-0.50	0.52	7.0%	-6.7%
11	9.5074	8.8994	8.3094	-0.49	0.51	6.8%	-6.6%
12	9.0973	8.5265	7.9715	-0.47	0.49	6.7%	-6.5%
13	8.7073	8.1714	7.6492	-0.46	0.48	6.6%	-6.4%
14	8.3362	7.833	7.3418	-0.44	0.46	6.4%	-6.3%
15	7.983	7.5106	7.0485	-0.43	0.44	6.3%	-6.2%
16	7.6467	7.2033	6.7686	-0.41	0.43	6.2%	-6.0%
17	7.3265	6.9102	6.5013	-0.39	0.41	6.0%	-5.9%
18	7.0215	6.6307	6.2461	-0.38	0.39	5.9%	-5.8%
19	6.7309	6.3641	6.0023	-0.36	0.38	5.8%	-5.7%
20	6.4539	6.1097	5.7694	-0.34	0.36	5.6%	-5.6%
21	6.1898	5.8669	5.5468	-0.33	0.34	5.5%	-5.5%
22	5.938	5.635	5.3341	-0.31	0.32	5.4%	-5.3%
23	5.6978	5.4136	5.1307	-0.29	0.30	5.2%	-5.2%
24	5.4687	5.2021	4.9361	-0.27	0.28	5.1%	-5.1%
25	5.25	5	4.75	-0.25	0.27	5.0%	-5.0%
26	5.0532	4.8069	4.5611	-0.28	0.29	5.1%	-5.1%
27	4.8648	4.6222	4.3808	-0.30	0.31	5.2%	-5.2%
28	4.6845	4.4457	4.2086	-0.32	0.33	5.4%	-5.3%
29	4.5118	4.2769	4.044	-0.34	0.35	5.5%	-5.4%
30	4.3464	4.1154	3.8868	-0.36	0.37	5.6%	-5.6%
31	4.188	3.9608	3.7366	-0.38	0.39	5.7%	-5.7%
32	4.0362	3.8129	3.5929	-0.40	0.42	5.9%	-5.8%
33	3.8907	3.6713	3.4555	-0.42	0.44	6.0%	-5.9%
34	3.7513	3.5357	3.3242	-0.44	0.46	6.1%	-6.0%
35	3.6175	3.4058	3.1985	-0.47	0.48	6.2%	-6.1%
36	3.4893	3.2814	3.0782	-0.49	0.50	6.3%	-6.2%
37	3.3663	3.1622	2.9631	-0.51	0.52	6.5%	-6.3%
38	3.2482	3.0479	2.8529	-0.53	0.54	6.6%	-6.4%
39	3.1349	2.9384	2.7473	-0.55	0.56	6.7%	-6.5%

R - T Table

Part No. : DHT0B502J3553SY1

R25=5KOhm ±5%
B25/50 = 3550 K ±3%

Temperature (℃)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (℃)		Resistance Tol. (%)	
40	3.0262	2.8334	2.6463	-0.57	0.59	6.8%	-6.6%
41	2.9218	2.7327	2.5494	-0.59	0.61	6.9%	-6.7%
42	2.8215	2.6361	2.4566	-0.62	0.63	7.0%	-6.8%
43	2.7253	2.5434	2.3677	-0.64	0.65	7.2%	-6.9%
44	2.6327	2.4544	2.2825	-0.66	0.68	7.3%	-7.0%
45	2.5439	2.369	2.2007	-0.68	0.70	7.4%	-7.1%
46	2.4584	2.2871	2.1223	-0.71	0.72	7.5%	-7.2%
47	2.3763	2.2083	2.0471	-0.73	0.74	7.6%	-7.3%
48	2.2973	2.1327	1.975	-0.75	0.77	7.7%	-7.4%
49	2.2214	2.0601	1.9057	-0.78	0.79	7.8%	-7.5%
50	2.1484	1.9903	1.8393	-0.80	0.81	7.9%	-7.6%
51	2.0781	1.9232	1.7755	-0.83	0.84	8.1%	-7.7%
52	2.0105	1.8588	1.7142	-0.85	0.86	8.2%	-7.8%
53	1.9454	1.7968	1.6553	-0.88	0.89	8.3%	-7.9%
54	1.8828	1.7372	1.5988	-0.90	0.91	8.4%	-8.0%
55	1.8225	1.6798	1.5445	-0.93	0.94	8.5%	-8.1%
56	1.7644	1.6247	1.4923	-0.95	0.96	8.6%	-8.1%
57	1.7085	1.5716	1.4421	-0.98	0.99	8.7%	-8.2%
58	1.6546	1.5206	1.3939	-1.01	1.02	8.8%	-8.3%
59	1.6027	1.4714	1.3475	-1.03	1.04	8.9%	-8.4%
60	1.5527	1.4241	1.3029	-1.06	1.07	9.0%	-8.5%
61	1.5045	1.3785	1.26	-1.09	1.10	9.1%	-8.6%
62	1.458	1.3346	1.2187	-1.12	1.12	9.2%	-8.7%
63	1.4132	1.2924	1.1789	-1.14	1.15	9.3%	-8.8%
64	1.37	1.2517	1.1407	-1.17	1.18	9.5%	-8.9%
65	1.3283	1.2124	1.1039	-1.20	1.21	9.6%	-8.9%
66	1.2881	1.1746	1.0684	-1.23	1.23	9.7%	-9.0%
67	1.2493	1.1381	1.0343	-1.26	1.26	9.8%	-9.1%
68	1.2119	1.103	1.0014	-1.29	1.29	9.9%	-9.2%
69	1.1757	1.0691	0.9697	-1.32	1.32	10.0%	-9.3%
70	1.1409	1.0364	0.9392	-1.35	1.35	10.1%	-9.4%
71	1.1072	1.0049	0.9098	-1.38	1.37	10.2%	-9.5%
72	1.0747	0.9745	0.8814	-1.41	1.40	10.3%	-9.6%
73	1.0433	0.9451	0.8541	-1.44	1.43	10.4%	-9.6%
74	1.0129	0.9168	0.8278	-1.47	1.46	10.5%	-9.7%
75	0.9836	0.8895	0.8023	-1.50	1.49	10.6%	-9.8%
76	0.9553	0.8631	0.7778	-1.53	1.52	10.7%	-9.9%
77	0.9279	0.8376	0.7542	-1.56	1.54	10.8%	-10.0%
78	0.9014	0.813	0.7314	-1.59	1.57	10.9%	-10.0%
79	0.8759	0.7892	0.7094	-1.62	1.60	11.0%	-10.1%

R - T Table

Part No. : DHT0B502J3553SY1

R25=5KOhm ±5%
B25/50 = 3550 K ±3%

Temperature (℃)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (℃)		Resistance Tol. (%)	
80	0.8511	0.7662	0.6881	-1.65	1.63	11.1%	-10.2%
81	0.8272	0.7441	0.6676	-1.68	1.66	11.2%	-10.3%
82	0.8041	0.7226	0.6478	-1.71	1.69	11.3%	-10.4%
83	0.7817	0.7019	0.6287	-1.74	1.71	11.4%	-10.4%
84	0.7601	0.6819	0.6102	-1.77	1.74	11.5%	-10.5%
85	0.7391	0.6625	0.5924	-1.80	1.77	11.6%	-10.6%
86	0.7188	0.6438	0.5751	-1.83	1.80	11.6%	-10.7%
87	0.6992	0.6257	0.5585	-1.86	1.83	11.7%	-10.7%
88	0.6802	0.6082	0.5424	-1.89	1.85	11.8%	-10.8%
89	0.6618	0.5912	0.5268	-1.92	1.88	11.9%	-10.9%
90	0.644	0.5748	0.5118	-1.95	1.91	12.0%	-11.0%
91	0.6268	0.559	0.4972	-1.98	1.94	12.1%	-11.1%
92	0.6101	0.5436	0.4832	-2.01	1.97	12.2%	-11.1%
93	0.5939	0.5288	0.4696	-2.04	1.99	12.3%	-11.2%
94	0.5782	0.5144	0.4564	-2.07	2.02	12.4%	-11.3%
95	0.563	0.5004	0.4437	-2.10	2.05	12.5%	-11.3%
96	0.5483	0.487	0.4314	-2.13	2.08	12.6%	-11.4%
97	0.534	0.4739	0.4195	-2.16	2.10	12.7%	-11.5%
98	0.5202	0.4613	0.408	-2.19	2.13	12.8%	-11.6%
99	0.5068	0.449	0.3968	-2.22	2.16	12.9%	-11.6%
100	0.4938	0.4371	0.386	-2.24	2.19	13.0%	-11.7%
101	0.4812	0.4256	0.3755	-2.27	2.21	13.1%	-11.8%
102	0.4689	0.4145	0.3654	-2.31	2.24	13.1%	-11.8%
103	0.4571	0.4037	0.3556	-2.34	2.27	13.2%	-11.9%
104	0.4456	0.3932	0.3461	-2.37	2.30	13.3%	-12.0%
105	0.4344	0.383	0.3369	-2.40	2.33	13.4%	-12.0%
106	0.4236	0.3732	0.328	-2.43	2.35	13.5%	-12.1%
107	0.413	0.3636	0.3193	-2.46	2.38	13.6%	-12.2%
108	0.4028	0.3544	0.3109	-2.49	2.41	13.7%	-12.3%
109	0.3929	0.3454	0.3028	-2.52	2.44	13.8%	-12.3%
110	0.3833	0.3366	0.2949	-2.55	2.47	13.9%	-12.4%
111	0.3739	0.3282	0.2873	-2.58	2.50	13.9%	-12.5%
112	0.3649	0.32	0.2799	-2.61	2.53	14.0%	-12.5%
113	0.356	0.312	0.2727	-2.65	2.56	14.1%	-12.6%
114	0.3475	0.3043	0.2658	-2.68	2.59	14.2%	-12.7%
115	0.3392	0.2968	0.259	-2.71	2.62	14.3%	-12.7%
116	0.3311	0.2895	0.2525	-2.74	2.65	14.4%	-12.8%
117	0.3232	0.2824	0.2461	-2.78	2.68	14.4%	-12.9%
118	0.3156	0.2755	0.2399	-2.81	2.71	14.6%	-12.9%
119	0.3082	0.2688	0.234	-2.84	2.74	14.7%	-12.9%

R - T Table

Part No. : DHT0B502J3553SY1

R25=5KOhm ±5%
B25/50 = 3550 K ±3%

Temperature (℃)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (℃)		Resistance Tol. (%)	
120	0.3009	0.2624	0.2281	-2.88	2.77	14.7%	-13.1%
121	0.2939	0.2561	0.2225	-2.91	2.80	14.8%	-13.1%
122	0.2871	0.2499	0.217	-2.95	2.83	14.9%	-13.2%
123	0.2805	0.244	0.2117	-2.98	2.87	15.0%	-13.2%
124	0.274	0.2382	0.2065	-3.02	2.90	15.0%	-13.3%
125	0.2678	0.2326	0.2015	-3.05	2.93	15.1%	-13.4%
126	0.2617	0.2271	0.1967	-3.09	2.96	15.2%	-13.4%
127	0.2557	0.2218	0.1919	-3.13	3.00	15.3%	-13.5%
128	0.25	0.2167	0.1873	-3.16	3.03	15.4%	-13.6%
129	0.2443	0.2116	0.1829	-3.20	3.06	15.5%	-13.6%
130	0.2389	0.2068	0.1785	-3.24	3.10	15.5%	-13.7%
131	0.2335	0.202	0.1743	-3.27	3.13	15.6%	-13.7%
132	0.2284	0.1974	0.1702	-3.31	3.16	15.7%	-13.8%
133	0.2233	0.1929	0.1662	-3.35	3.20	15.8%	-13.8%
134	0.2184	0.1885	0.1623	-3.39	3.23	15.9%	-13.9%
135	0.2136	0.1843	0.1586	-3.43	3.27	15.9%	-13.9%
136	0.209	0.1801	0.1549	-3.46	3.30	16.0%	-14.0%
137	0.2044	0.1761	0.1513	-3.50	3.34	16.1%	-14.1%
138	0.2	0.1722	0.1478	-3.54	3.37	16.1%	-14.2%
139	0.1957	0.1684	0.1445	-3.58	3.41	16.2%	-14.2%
140	0.1915	0.1646	0.1412	-3.62	3.45	16.3%	-14.2%
141	0.1874	0.161	0.138	-3.66	3.48	16.4%	-14.3%
142	0.1835	0.1575	0.1349	-3.70	3.52	16.5%	-14.3%
143	0.1796	0.1541	0.1319	-3.74	3.55	16.5%	-14.4%
144	0.1758	0.1507	0.1289	-3.78	3.59	16.7%	-14.5%
145	0.1721	0.1475	0.1261	-3.82	3.62	16.7%	-14.5%
146	0.1685	0.1443	0.1233	-3.86	3.66	16.8%	-14.6%
147	0.165	0.1412	0.1205	-3.90	3.70	16.9%	-14.7%
148	0.1616	0.1382	0.1179	-3.94	3.73	16.9%	-14.7%
149	0.1583	0.1353	0.1153	-3.98	3.77	17.0%	-14.8%
150	0.155	0.1324	0.1128	-4.02	3.81	17.1%	-14.8%
151	0.1519	0.1296	0.1104	-4.06	3.84	17.2%	-14.8%
152	0.1488	0.1269	0.108	-4.10	3.88	17.3%	-14.9%
153	0.1458	0.1243	0.1057	-4.14	3.91	17.3%	-15.0%
154	0.1428	0.1217	0.1034	-4.18	3.95	17.3%	-15.0%
155	0.14	0.1192	0.1012	-4.23	3.99	17.4%	-15.1%
156	0.1372	0.1167	0.0991	-4.27	4.02	17.6%	-15.1%
157	0.1344	0.1143	0.097	-4.31	4.06	17.6%	-15.1%
158	0.1318	0.112	0.0949	-4.35	4.09	17.7%	-15.3%
159	0.1292	0.1097	0.0929	-4.39	4.13	17.8%	-15.3%

R - T Table

Part No. : DHT0B502J3553SY1

R25=5KOhm ±5%
B25/50 = 3550 K ±3%

Temperature (℃)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (℃)		Resistance Tol. (%)	
160	0.1266	0.1075	0.091	-4.43	4.16	17.8%	-15.3%
161	0.1242	0.1053	0.0891	-4.47	4.20	17.9%	-15.4%
162	0.1218	0.1032	0.0873	-4.51	4.23	18.0%	-15.4%
163	0.1194	0.1012	0.0855	-4.55	4.27	18.0%	-15.5%
164	0.1171	0.0991	0.0837	-4.59	4.30	18.2%	-15.5%
165	0.1148	0.0972	0.082	-4.63	4.34	18.1%	-15.6%
166	0.1126	0.0953	0.0804	-4.66	4.37	18.2%	-15.6%
167	0.1105	0.0934	0.0787	-4.70	4.41	18.3%	-15.7%
168	0.1084	0.0916	0.0771	-4.74	4.44	18.3%	-15.8%
169	0.1063	0.0898	0.0756	-4.78	4.48	18.4%	-15.8%
170	0.1043	0.088	0.0741	-4.82	4.51	18.5%	-15.8%
171	0.1024	0.0863	0.0726	-4.86	4.54	18.7%	-15.9%
172	0.1005	0.0847	0.0712	-4.90	4.58	18.7%	-15.9%
173	0.0986	0.0831	0.0698	-4.94	4.61	18.7%	-16.0%
174	0.0968	0.0815	0.0684	-4.97	4.64	18.8%	-16.1%
175	0.095	0.0799	0.0671	-5.01	4.68	18.9%	-16.0%
176	0.0933	0.0784	0.0658	-5.05	4.71	19.0%	-16.1%
177	0.0916	0.0769	0.0645	-5.09	4.75	19.1%	-16.1%
178	0.0899	0.0755	0.0632	-5.13	4.78	19.1%	-16.3%
179	0.0883	0.0741	0.062	-5.17	4.81	19.2%	-16.3%
180	0.0867	0.0727	0.0608	-5.20	4.84	19.3%	-16.4%
181	0.0851	0.0714	0.0597	-5.24	4.88	19.2%	-16.4%
182	0.0836	0.07	0.0585	-5.28	4.91	19.4%	-16.4%
183	0.0821	0.0688	0.0574	-5.32	4.94	19.3%	-16.6%
184	0.0806	0.0675	0.0564	-5.36	4.98	19.4%	-16.4%
185	0.0792	0.0663	0.0553	-5.39	5.01	19.5%	-16.6%
186	0.0778	0.0651	0.0543	-5.43	5.05	19.5%	-16.6%
187	0.0765	0.0639	0.0533	-5.47	5.08	19.7%	-16.6%
188	0.0751	0.0627	0.0523	-5.51	5.11	19.8%	-16.6%
189	0.0738	0.0616	0.0513	-5.55	5.15	19.8%	-16.7%
190	0.0725	0.0605	0.0504	-5.59	5.18	19.8%	-16.7%
191	0.0713	0.0594	0.0494	-5.63	5.22	20.0%	-16.8%
192	0.0701	0.0584	0.0485	-5.67	5.25	20.0%	-17.0%
193	0.0689	0.0574	0.0477	-5.71	5.29	20.0%	-16.9%
194	0.0677	0.0564	0.0468	-5.75	5.32	20.0%	-17.0%
195	0.0666	0.0554	0.046	-5.79	5.36	20.2%	-17.0%
196	0.0654	0.0544	0.0451	-5.83	5.39	20.2%	-17.1%
197	0.0643	0.0535	0.0443	-5.87	5.43	20.2%	-17.2%
198	0.0633	0.0526	0.0435	-5.91	5.47	20.3%	-17.3%
199	0.0622	0.0517	0.0428	-5.96	5.50	20.3%	-17.2%

R - T Table

Part No. : DHT0B502J3553SY1

R25=5KOhm ±5%
B25/50 = 3550 K ±3%

Temperature (℃)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (℃)		Resistance Tol. (%)	
200	0.0612	0.0508	0.042	-6.00	5.54	20.5%	-17.3%