



请承认书

Version No.: V2.0

常州昊翔电子有限公司
Changzhou HaoXiang Electronic Co., LTD
 客户名称
CUSTOMER NAMER : _____
 产品名称
COMMODITY : Speaker box
 产品型号
MODEL NO : TDA-B10122KE4PE47W30L150
 客户料号
PART NO : _____

审核	秦皓	主办	潘莲 Jun. 18, 2020
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客户承认栏			
承认		拒收	

常州昊翔电子有限公司

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A. MODEL: TDA-B10122KE4PE47W30L150

B. SPECIFICATION

Test condition: Temperature: 15~35℃ Related Humidity:25~75% (GB/T9396-1996)

No.	Item	Specification	Condition
1	Dimension	101*47*22mm	
2	Impedance	$4 \pm 15\% \Omega$	At 1.0 KHz
3	Output Sound Pressure Level	84 3dB(1Watt,1Meter)	At 0.8, 1.0, 1.2, 1.5KHz in average
4	Response Frequency	280Hz \pm 20% Hz	At 1.0V measured by CLIO
5	Frequency Range	F0~20KHZ	Average SPL -10dB
6	Distortion	$\leq 7\%$	At 1KHz
7	Power Rating	Normal: 3W Maximum: 5W	Sine wave
8	Operating temperature	- 20 ~ + 60℃	
9	Storage temperature	- 20 ~ + 60℃	
10	Abnormal Sound test	Must be Normal Tested By 3.46 Volts. Sine Wave at F0~3KHz /3 second.	
11	Polarity	Diaphragm shall move Forward while Apply a Positive DC Signal to the “+” or “Marked” Terminal.	
12	RoHS	The Speaker is RoHS compliant.	

C. ENVIRONMENT TEST

No.	Item	Condition	Evaluation standard
1	High Temperature	The speaker in the 80 + 2 ℃ programmable constant temperature and humidity test chamber is 1/4 rated output noise voltage, for 16 h	Being placed for 4 hours at room temperature, speaker shall be measured. SPL should not deviate by ± 3 dB, and nor any significant damage.
2	Low Temperature	To put the speaker in - 30 + 3 ℃ programmable constant temperature and humidity test chamber is 1/4 rated output noise voltage, last 1 h, then the temperature rise to -25 \pm 3 c for 2 hours	
3	Humidity	After being placed in a chamber at +40 2℃ and 90~95%(RH) Relative Humidity for 48 hours.	

D. MECHANICAL CHARACTERISTICS

No.	Item	Test condition	Evaluation standard
1	Vibration test	Vibration frequency of 10 ~ 30 ~ 10 hz, amplitude of 0.55 mm, sweep time 3 min/time	SPL shall not deviate by ± 3 dB from pre-test measurement, and nor any significant damage.
2	Drop test	Dropped naturally from 80cm height onto the surface of 40mm thick wooden board of 5 directions for 1times.	
3	Drop impact test	Sliding distance: 600 \pm 25 mm Slant Angle: 60° \pm 5°	
4	Crash test	The acceleration was 100 \pm 10m/s ² , the pulse duration was 16ms, the pulse repetition frequency was 60 times /min, the pulse waveform was approximately half sine wave, and the number of collisions was 1000 \pm 10.	

E.RELIABILITY TEST

No.	Item	Test conditions	Evaluation standard
1	Load test	Pink noise with HPF 3.46 Volts. 96 Hours.	After test, SPL shall not deviate by ± 3 dB from pre-test measurement, and nor any significant damage .

F. MEASURING METHOD(SPEAKER MODE)

F-1. Test Condition

(a)STANDARD:

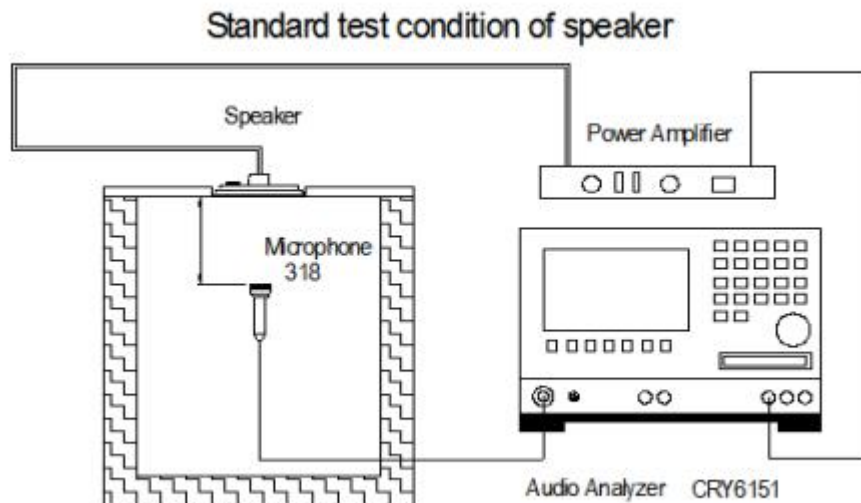
Temperature : 15 ~ 35°C, Relative humidity : 45% ~ 85%,
Atmospheric pressure : 860mbar to 1060mbar

(b)JUDGEMENT:

Temperature : 20 ± 3 °C, Relative humidity : 60% ~ 70%,
Atmospheric pressure : 860mbar to 1060mbar

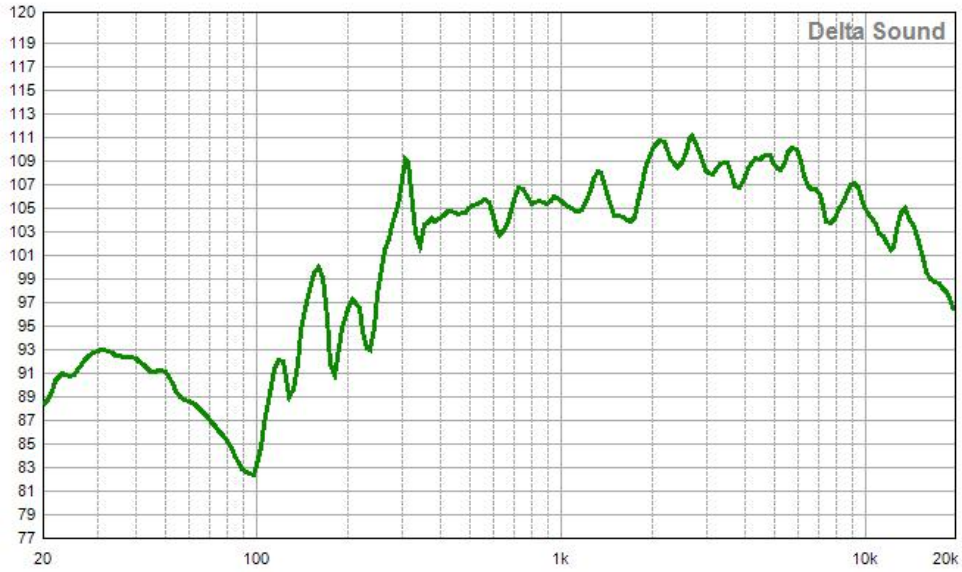
F-2. Standard Test Fixture

- 1.Input Power : 1W(2V)
- 2.Zero Level : -dB
- 3.Mode : TSR
- 4.potentiometer Range : 50dB
- 5.Sweep Time : 0.5sec

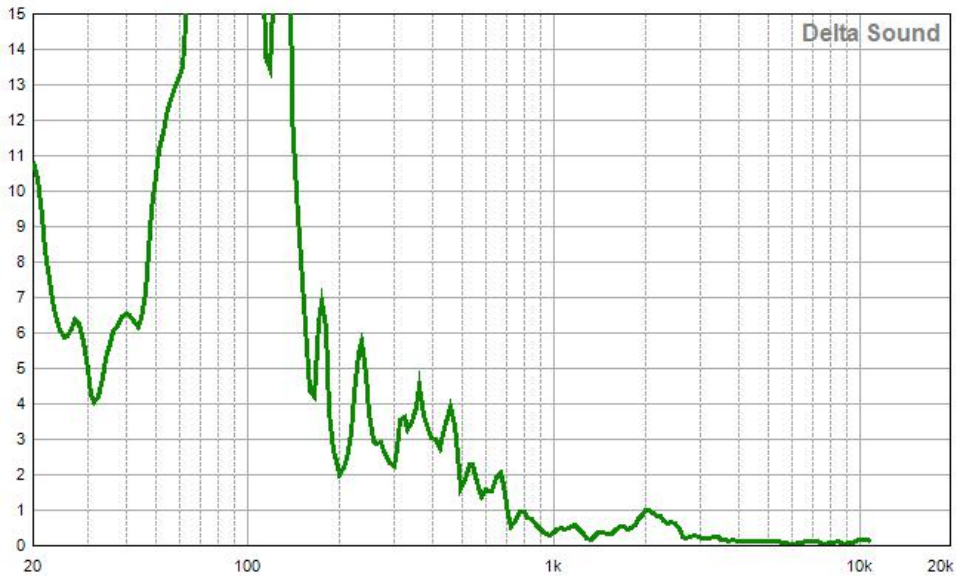


G.FREQUENCY CURVE

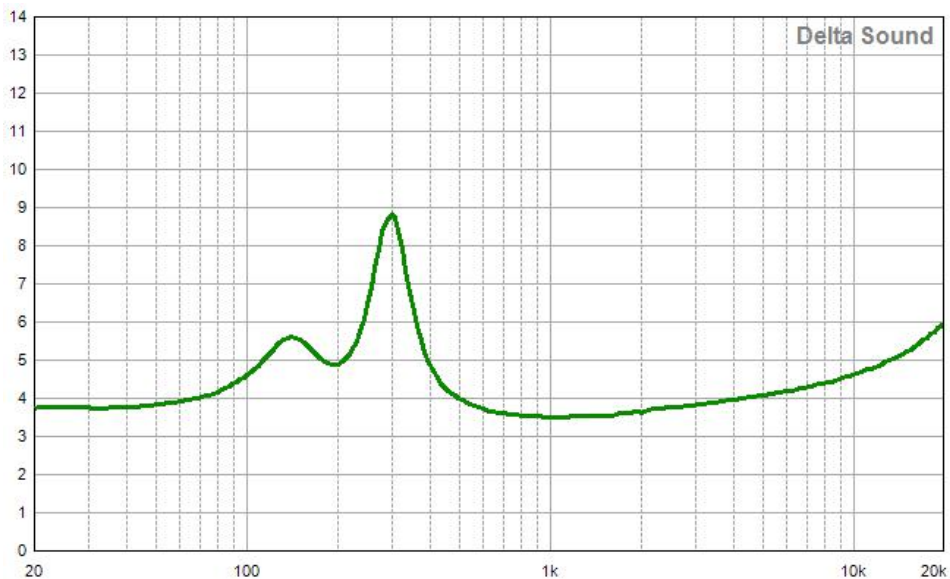
(1) frequency curve



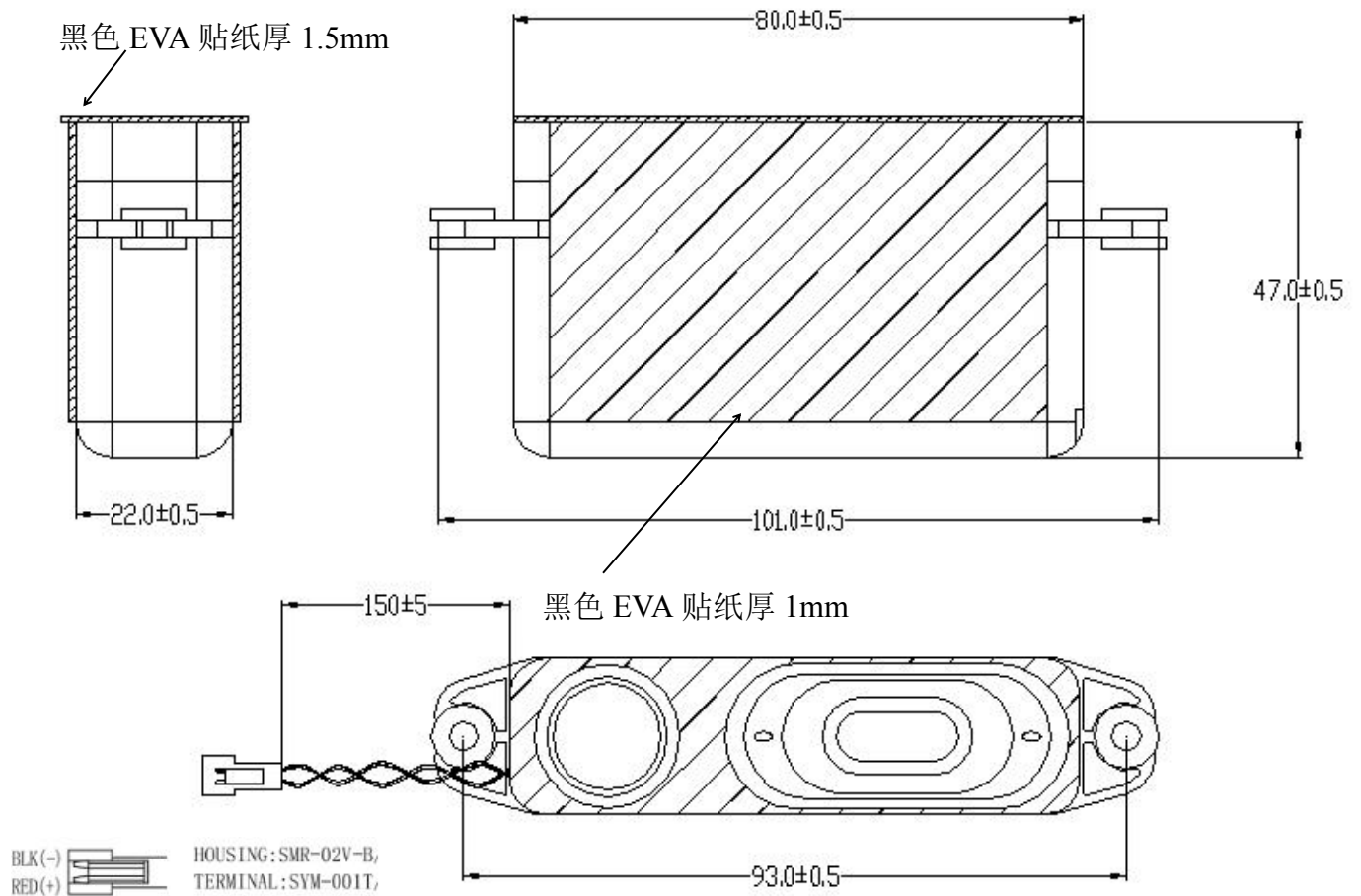
(2) distortion curve



(3) Impedance curve



H. APPEARANCE DRAWING



Unit:mm Tolerance : ± 0.5 mm

I. NOTICE ON PRODUCT STORAGE

a. Please store the products in room where the temperature / humidity is stable. And avoid such places where there are large temperature changes. Please store the products under the following conditions :

Temperature : -10 to +40 (degree C)

Humidity : 15 to 85% R.H.

b. Expire date (Shelf life) of the products is 6 months after delivery under the conditions of a sealed and an unopened package. Please use the products within 6 months after delivery. If you store the products for a long time (more than 6 months), use carefully because the products may be degraded in the solder-ability and/or rusty.

Please confirm solder-ability and characteristics for the products regularly.

c. Please use the products immediately after the package is opened, because the characteristics may be reduced in quality, and/or be degraded in the solder-ability due to storage under the poor condition.

