



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-8518KE8C13  
 客户料号  
**PART NO** : \_\_\_\_\_

审核	秦皓	主办	潘莲 Jun.05,2020
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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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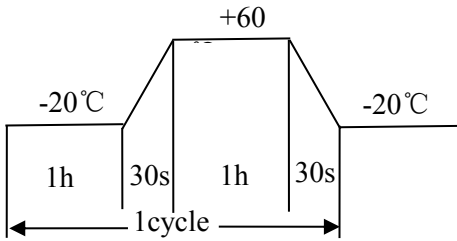
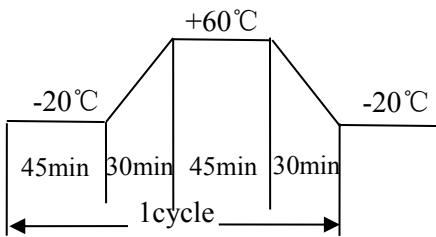
# A. MODEL: TDA-8518KE8C13

## B. B. SPECIFICATION

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

No.	Item	Specification	Condition
1	Dimension	85x18xH13mm	
2	Impedance	$8 \pm 15\% \Omega$	at 800Hz 1.0V
3	Output Sound Pressure Level	$78 \pm 3\text{dB}(1\text{Watt}, 1\text{Meter})$	At1W/1M(0.5K.0.6K.0.8K1.0KHz)
4	Response Frequency	$350 \pm 20\% \text{Hz}$	At 1.0V
5	Power Rating	Normal: 5W Maximum: 10W	Sine wave
6	Operating temperature	- 20 ~ + 60°C	
7	Storage temperature	- 20 ~ + 60°C	
8	Abnormal Sound test	Must be Normal Tested By 6.32Volts. Sine Wave at F0~3KHz /3 second.	
9	Weight	19.5g	
10	Polarity	Diaphragm shall move Forward while Apply a Positive DC Signal to the “+” or “Marked” Terminal.	
11	RoHS	The Speaker is RoHS compliant.	

## C.ENVIRONMENT TEST

No.	Item	Condition	Evaluation standard
1	High Temperature	After being placed in a chamber at $+60 \pm 2^\circ\text{C}$ for 96 hours	Being placed for 4 hours at room temperature, speaker shall be measured. SPL should not deviate by $\pm 5 \text{dB}$ , and nor any significant damage.
2	Low Temperature	After being placed in a chamber at $-20 \pm 2^\circ\text{C}$ for 96 hours.	
3	Humidity	After being placed in a chamber at $+40 \pm 2^\circ\text{C}$ and 90~95%(RH) Relative Humidity for 96 hours.	
4	Heat shock test	The part shall be subjected to 5 cycles. One cycle shall be consist of: 	
5	Temperature Cycle test	The part shall be subjected to 5 cycles. One cycle shall be consist of: 	

## D. MECHANICAL CHARACTERISTICS

No.	Item	Test condition	Evaluation standard
1	Drop Test	Mounted with dummy set mass:100g Height :70cm Cycle:6(each plain) onto concrete board	SPL shall not deviate by $\pm 5$ dB from pre-test measurement, and nor any significant damage.

## E.RELIABILTY TEST

No.	Item	Test conditions	Evaluation standard
1	Load test	Pink noise with HPF 6.32Volts. 96 Hours.	After test, SPL shall not deviate by $\pm 5$ 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 :  $20 \pm 3$ °C, Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

### F-2. Standard Test Fixture

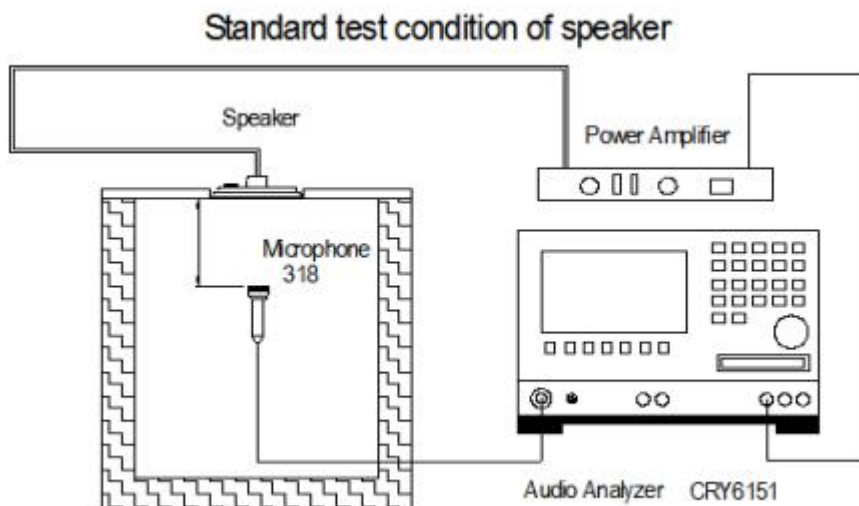
1. Input Power : 1W

2. Zero Level : -dB

3. Mode : TSR

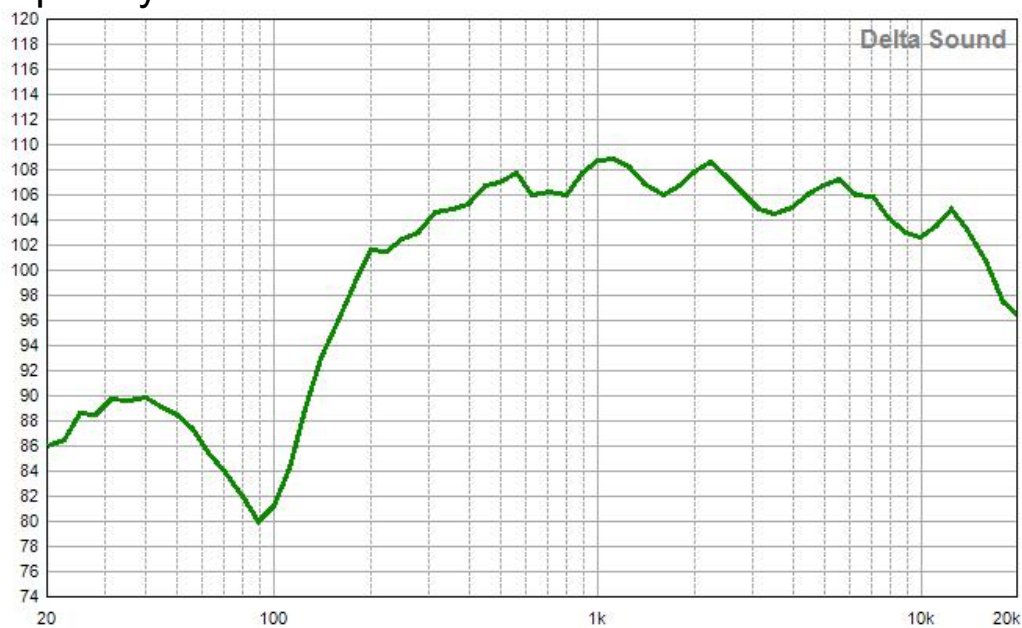
4. potentiometer Range : 50dB

5. Sweep Time : 0.5sec

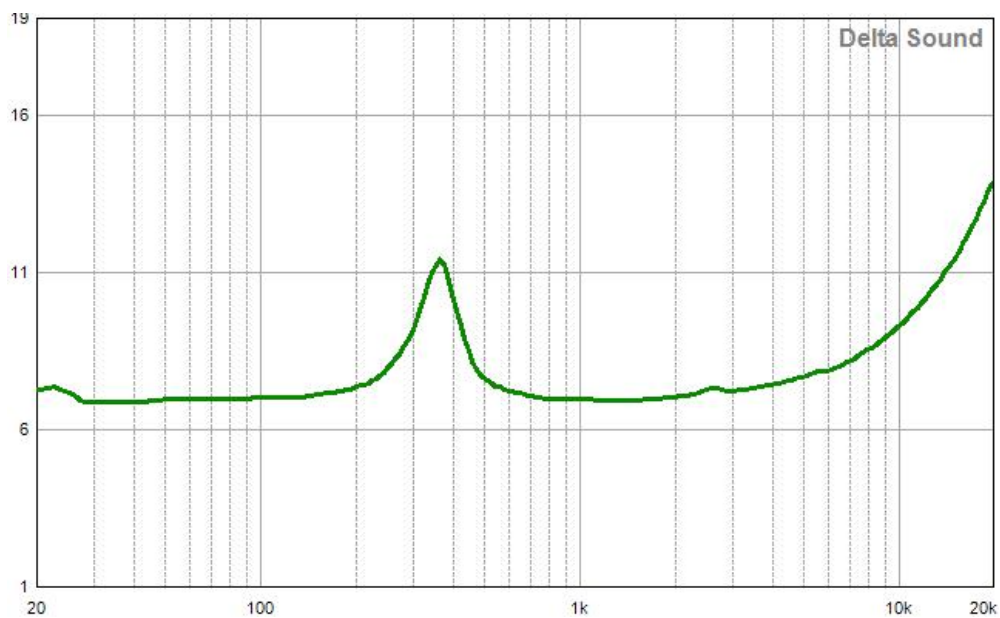


## G.FREQUENCY CURVE

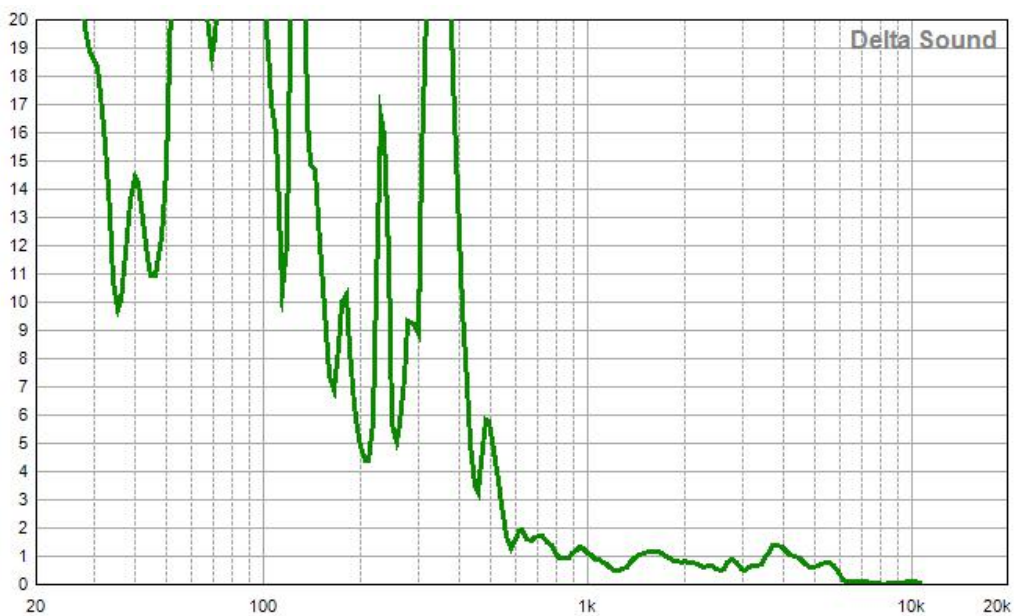
(1) frequency curve



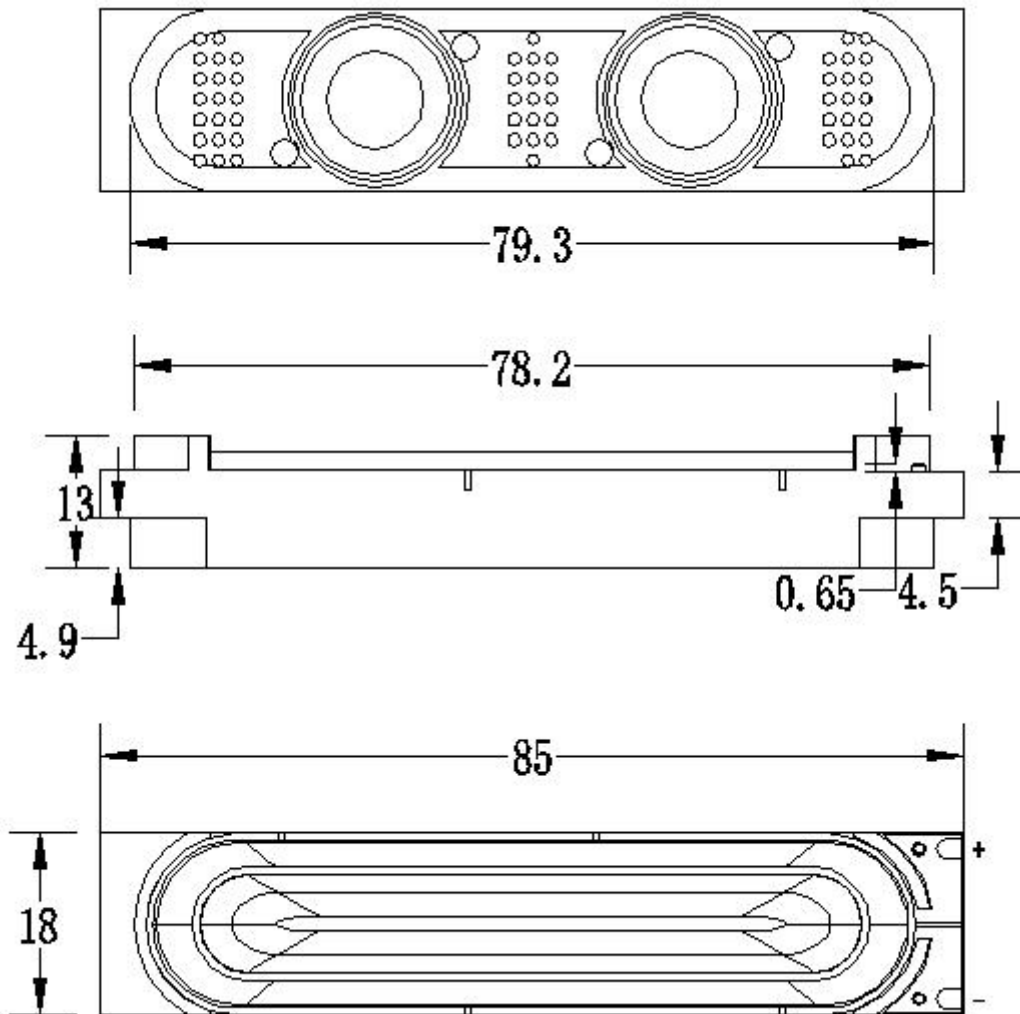
(2) Impedance curve



(3) distortion curve



## H. APPEARANCE DRAWING



Unit:mm Tolerance :  $\pm 0.5\text{mm}$

## 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.

