



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 NAMED : _____
 产品名称
 COMMODITY : Speaker box
 产品型号
 MODEL NO : TDA-B23027KC8C28
 客户料号
 PART NO : _____

审核	秦皓	主办	唐俐雅 Feb.26,2019
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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-B23027KC8C28

B. SPECIFICATION

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

No.	Item	Specification	Condition
1	Dimension	230x27.5xH28.2mm	
2	Impedance	$8 \pm 15\% \Omega$	At 1.5KHz
3	Output Sound Pressure Level	R/L:82 3dB(1Watt,0.5Meter)	At 0.8, 1.0, 1.2, 2.0KHz in average
4	Response Frequency	F0L=160Hz \pm 20% Hz	At 1.0V measured by CLIO
		F0R=160Hz \pm 20% Hz	
5	Frequency Range	L:F0~20KHZ	Average SPL -10dB
		R:F0~20KHZ	
6	Distortion	L/R: \leq 5%	At 1KHz-10KHz, 1.0W ,0.5M
7	Power Rating	Normal: 5W Maximum: 6W	Sine wave
8	Operating temperature	- 20 ~ + 60°C	
9	Storage temperature	- 20 ~ + 60°C	
10	Abnormal Sound test	Must be Normal Tested By 6.32Volts. Sine Wave at F0~3KHz /3 second.	
11	Weight	110 g	
12	Polarity	Diaphragm shall move Forward while Apply a Positive DC Signal to the “+” or “Marked” Terminal.	
13	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 ± 3 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 ± 3 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 ± 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)

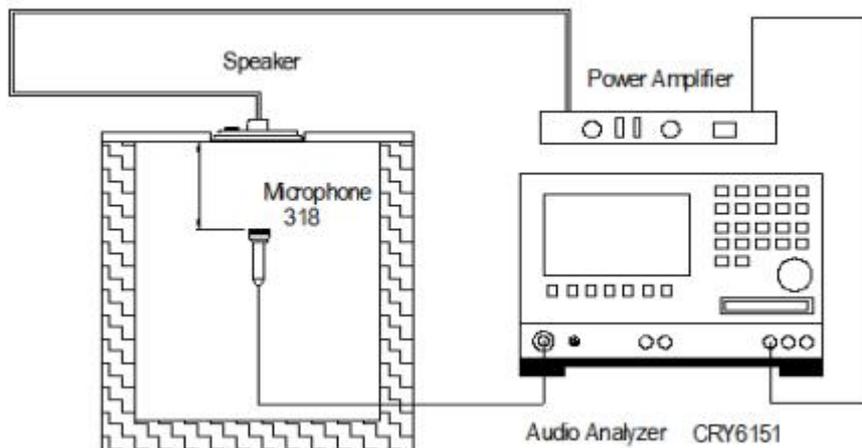
2. Zero Level : -dB

3. Mode : TSR

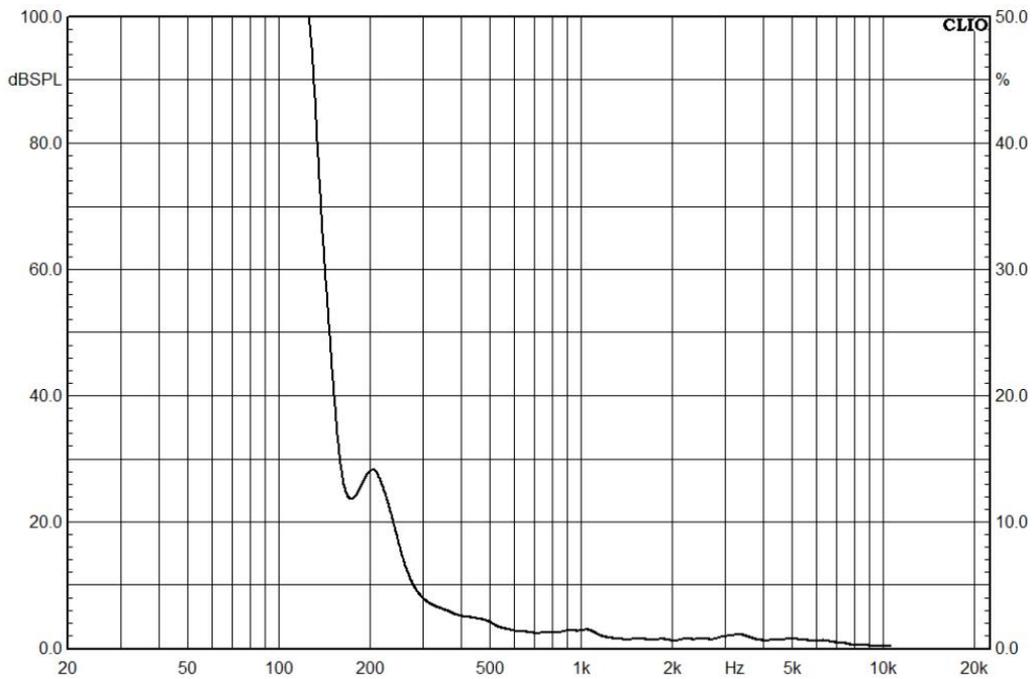
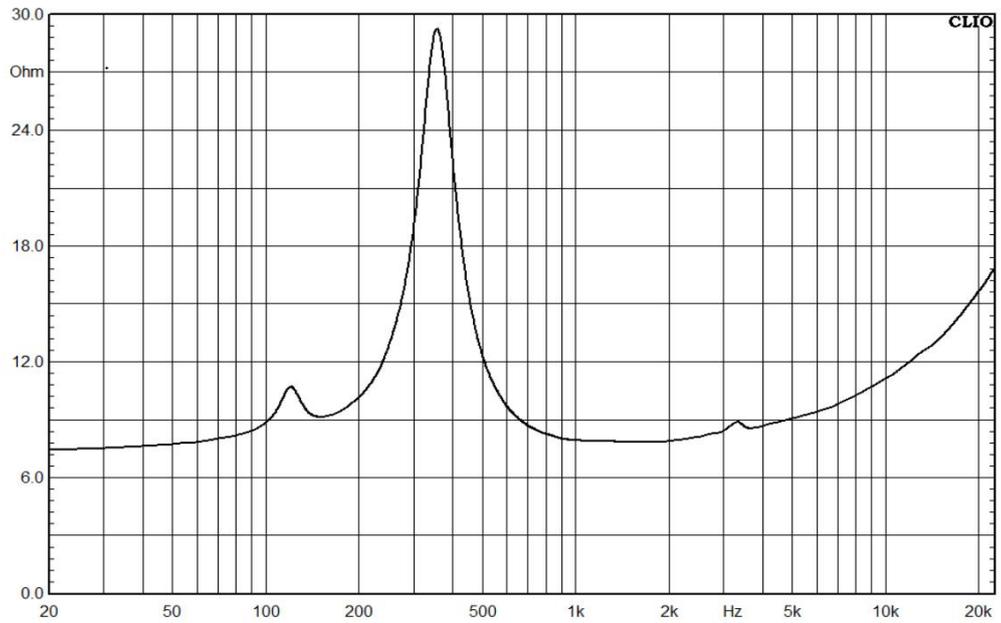
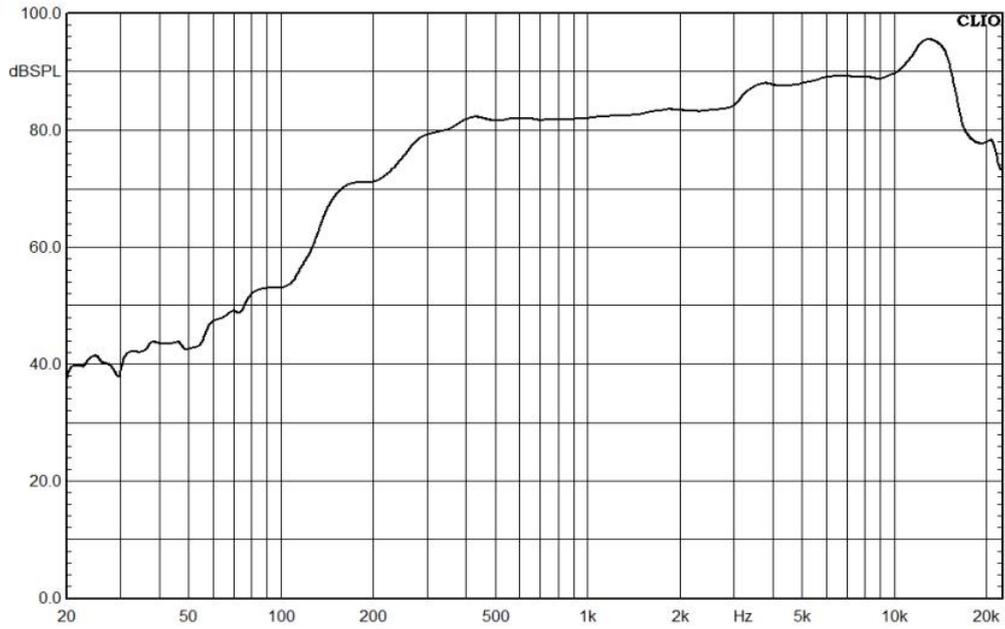
4. potentiometer Range : 50dB

5. Sweep Time : 0.5sec

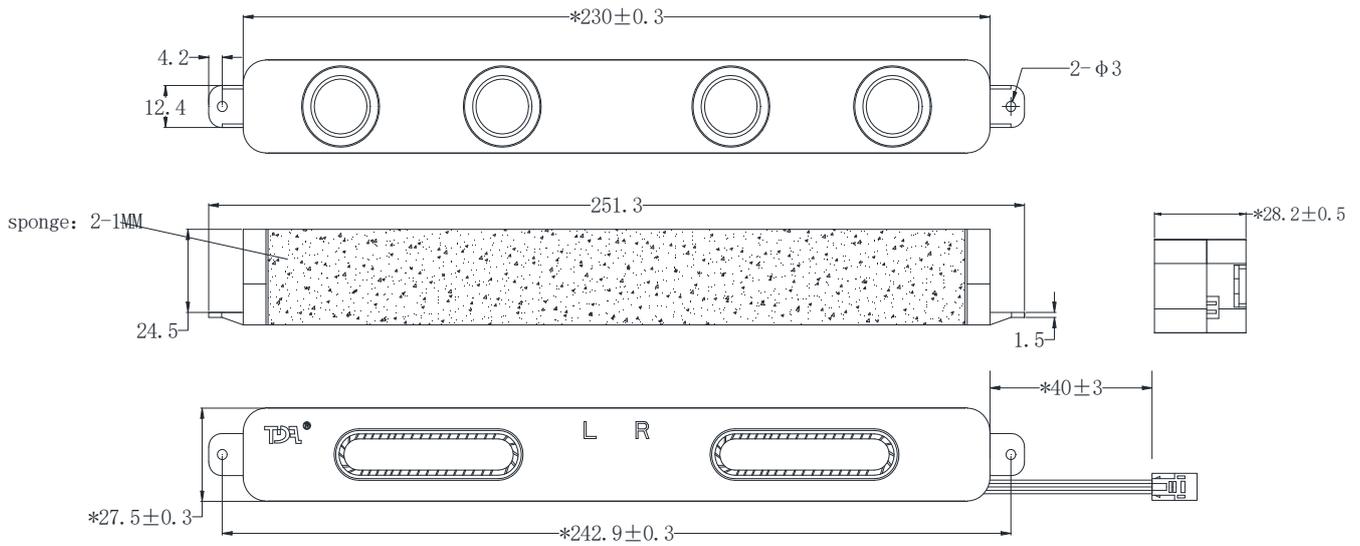
Standard test condition of speaker



G.FREQUENCY CURVE



H.APPEARANCE DRAWING



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

Note: ‘*’ is the key size

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 6months), 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.

