

请承认书

Version No.: <u>V2.0</u>

常州	昊 翔 电	子 有 限	公 司
Changzhou	ı HaoXiang	Electronic (Co., LTD
客户名	分 称		
CUSTOME	R NAMER :		
产品名	分 称		
COMMOD	TY :	Speaker	
产品型	見号		
MODEL NO	·	TDA-4040KC4U	20
客户料	4号		
PART NO	•		
			_
审核	秦皓	主办	潘莲 Oct.17,2019
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	客	户	承	认	栏		
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常	州	昊	翔	电	子	有	限	公	司
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A. MODEL: TDA-4040KC4U20

B. SPECIFICATION

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

No.	Item	Specification	Condition
1	Dimension	40×40×H20.5mm	
2	Impedance	$4\pm15\%\Omega$	At 1KHz
3	Output Sound Pressure Level	86±3dB	At 30CM,1W
4	Response Frequency	170Hz±20%	At 1.0V
5	Frequency Range	F0~20KHz	-10dB At 0.898V,1W
6	Distortion	<5%	At 3W,1000Hz
7	Power Rating	Normal: 3W Maximum: 5W	
8	Operating temperature - 25 ~ +70 ℃		
9	Storage temperature	- 25 ~ + 70℃	
10	Abnormal Sound test	Must be Normal At Sine Wave	
11	RoHS	The Speaker is RoHS compliant.	

C.ENVIRONMENT TEST

No.	ltem	Condition	Evaluation standard
1	High Temperature	Must be normal after 70 \pm 2 $^{\circ}\!$	Being placed for 4 hours at room temperature, speaker shall be
2	Low Temperature	Must be normal after -25 \pm 3 $^{\circ}$ C and relative humidity60% 16hours.	\pm 5 dB,and nor any
2	Humidity	Must be normal after40 \pm 2 $^{\circ}\!$	significant damage.

D.RELIABILTY TEST

No.	Item	Test conditions	Evaluation standard
	1 Load test	Load test Must be normal after load test :white noise 3W 48hours.	After test, SPL shall not
			deviate by ±5 dB from
1			pre-test
			measurement,and nor
			any significant damage .

E. MEASURING METHOD(SPEAKER MODE)

E-1.Test Condition

(a)STANDARD:

Temperature : $15 \sim 35^{\circ}$ °C, Relative humidity : $45\% \sim 85\%$,

Atmospheric pressure: 860mbar to 1060mbar

(b)JUDGEMENT:

Temperature : $20\pm3^{\circ}$ C, Relative humidity : $60\% \sim 70\%$,

Atmospheric pressure: 860mbar to 1060mbar

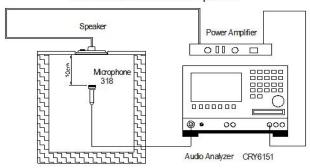
E-2.Standard Test Fixture

1.Input Power :1W 2.Zero Level : -dB 3.Mode : TSR

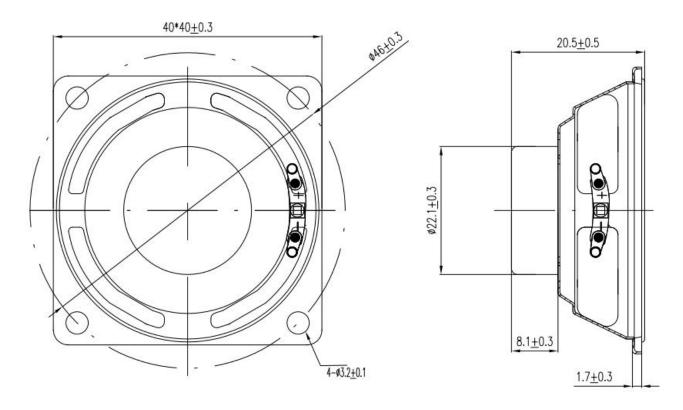
4.potentiometer Range: 50dB

5.Sweep Time: 0.5sec

Standard test condition of speaker



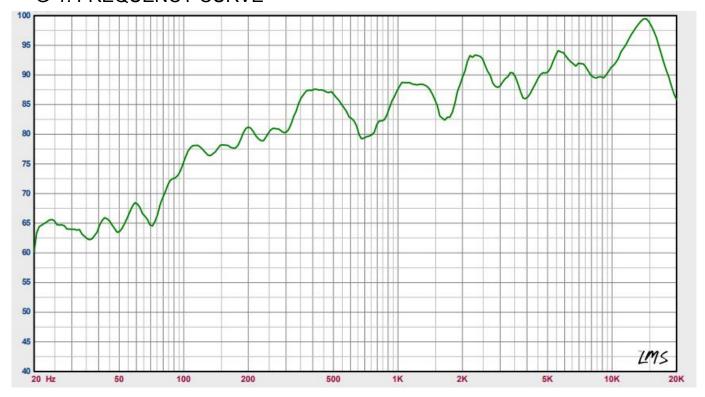
F.APPEARANCE AWING



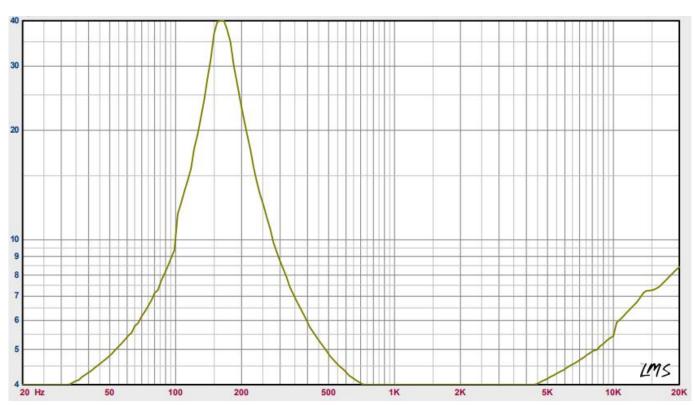
Unit:mm Tolerance: ±0.5mm

G.FREQUENCY CURVE

G-1. FREQUENCY CURVE



G-2. IMPEDANCE CURVE



H. 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 +30 (degree C)

Humidity: 15 to 70% 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.

I. REVISION

No.	DATE	DESCRIPTION	REMARK	VERSION
1	Oct.17,2019	Initial condition	TDA-4040KC4U20	V2.0