请承认书

Version No.：V2.2

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

产 品 型 号

MODEL NO ：TDA-B5317KE4HE20W30L100-1

客 户 料 号

PART NO ：_____

审 核	秦皓	主 办	季陈 08.09,2023

客 户 承 认 栏			
承 认		拒 收	

常 州 昊 翔 电 子 有 限 公 司

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南通工厂：

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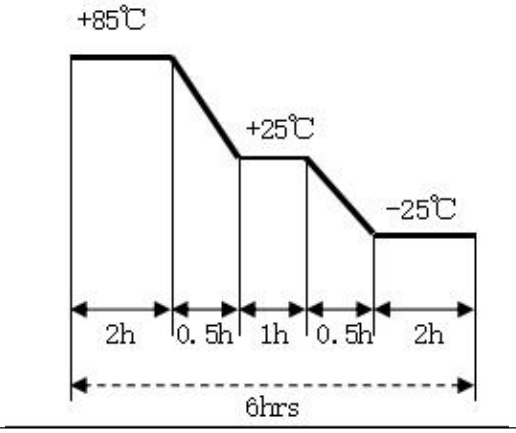
A. MODEL: TDA-B5317KE4HE20W30L100-1

B. SPECIFICATION

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

No.	Item	Specification	Condition
1	Dimension	75x17xH15mm	
2	Impedance	4±15%Ω	At 2.0KHz 1.0V
3	Output Sound Pressure Level	100±3dB(3W/0.1M)	At 0.8,1.0,1.2,1.5KHz , in average
4	Response Frequency	970±20%Hz	At 1V
5	Frequency Range	F0 --- 10KHz	Output S.P.L.-10dB
6	Power Rating	Normal: 3.0W Maximum: 3.5W	Maximum Power:IEC-60268-5 Filter 60s On/120s Off 10 Cycles (Room TEMP.)
7	THD	10%MAX	At 2.0KHz ,1W
8	Operating temperature	- 20 ~ + 85℃	
9	Storage temperature	- 25 ~ + 85℃	
10	Abnormal Sound test	Buzz,Rattle,etc Should not be audible at3.46VRMS sine wave from Fo ~ 10KHz	
11	Polarity	When a positive DC current is applied to the terminal marked(+), Diaphragm shall move forward. Marking:	
12	RoHS	The Speaker is RoHS compliant.	

C.ENVIRONMENT TEST

No.	Item	Condition	Evaluation standard
1	Humidity	After being placed in a chamber at +40±2℃and 93±5%%(RH) Relative Humidity for 96 hours.	The sound pressure as specified shall neither deviate more than ±3dB from the initial value, nor any significant damage after any of following testing.
2	High Temperature	After being placed in a chamber with +85±2℃ for 96 hours.	
3	Low Temperature	After being placed in a chamber with -25±3℃ for 96 hours .	
4	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	Drop the speakers contained in normal box onto the board 40mm thick 10 times from the height of 75cm	No obstacle to be harmful to normal operation; damages, cracks, rusts and distortions. Should not be audible at 3.46V sine wave between
2	Vibration Test	Speaker shall be measured after being applied vibration of amplitude of 1.5mm with 10 to 55Hz band of vibration frequency to each of 3 per-pendicular directions for 2 hours.	
3	Lead Wire Pull Strength	The pull force shall be applied to double lead wire: Horizontal 3.0N(0.306kg) for 30 seconds. Vertical 2.0N(0.204kg) for 30 seconds.	No damage and cutting off
4	Connector pull test	At the speed of 25mm/min out of a constant speed 30 consecutive	No damage and cutting off

E.RELIABILTY TEST

No.	Item	Test conditions	Evaluation standard
1	Load test	3.0W White noise is applied for 96 hours, at room temp.	The sound pressure as specified shall neither deviate more than ±3dB from the initial value, nor any significant damage after any of following testing.

F. MEASURING METHOD(SPEAKER MODE)

F-1.Test Condition

(a)STANDARD:

Temperature : 15 ~ 35℃, Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar

(b)JUDGEMENT:

Temperature : 20±3℃, Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

F-2.Standard Test Fixture

1.Input Power :3W

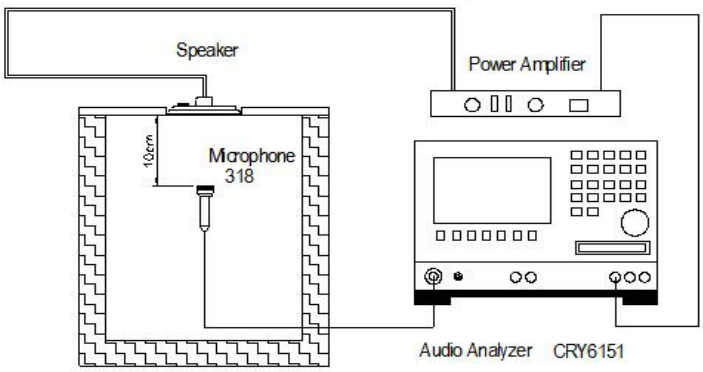
2.Zero Level : -dB

3.Mode : TSR

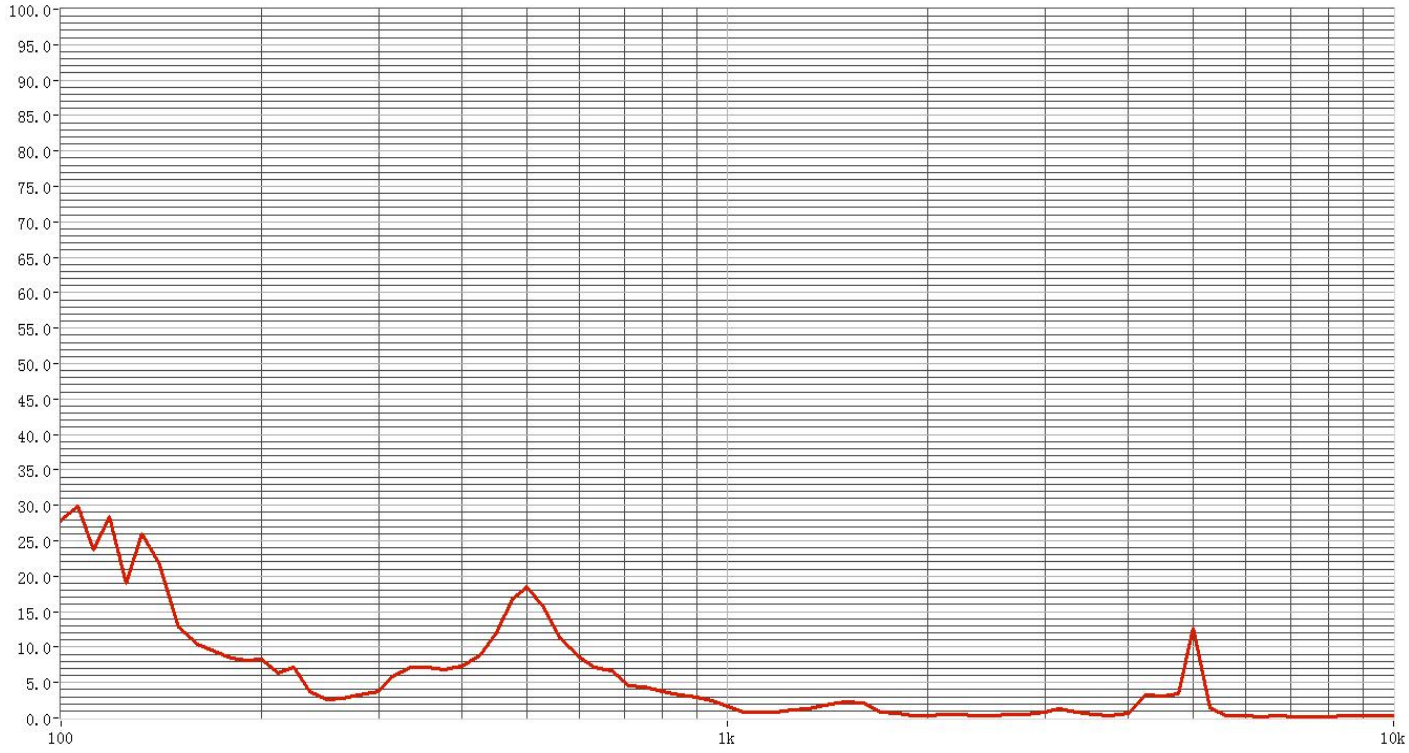
4.potentiometer Range : 50dB

5.Sweep Time : 0.5sec

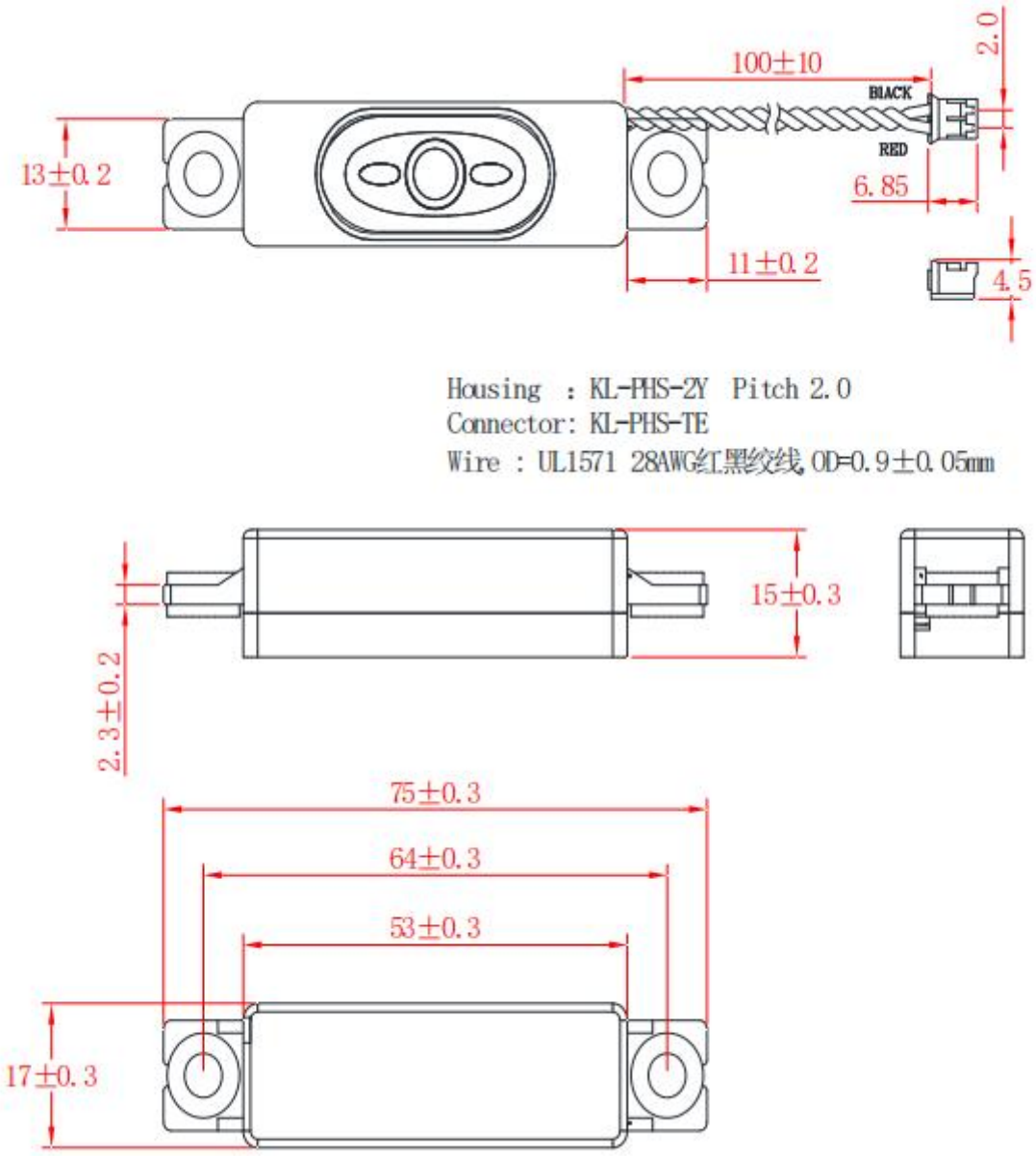
Standard test condition of speaker



G. FREQUENCY CURVE



H.APPEARANCE DRAWING



Unit:mm Tolerance : ±0.5mm

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.

J. REVISION

No.	DATE	DESCRIPTION	REMARK	VERSION
1	Mar.24,2023	Initial condition	TDA-B5317KE4HE20W30L200	V2.0
2.	Jul.19.2023	Line length was changed from 200 to 100	TDA-B5317KE4HE20W30L100	V2.1
3	08.09.2023	Terminal wire change	TDA-B5317KE4HE20W30L100-1	V2.2