



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-B7030KE4T17W30L460
 客户料号
PART NO : _____

审核	秦皓	主办	潘莲 Feb.23,2021
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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-B7030KE4T17W30L460

B. SPECIFICATION

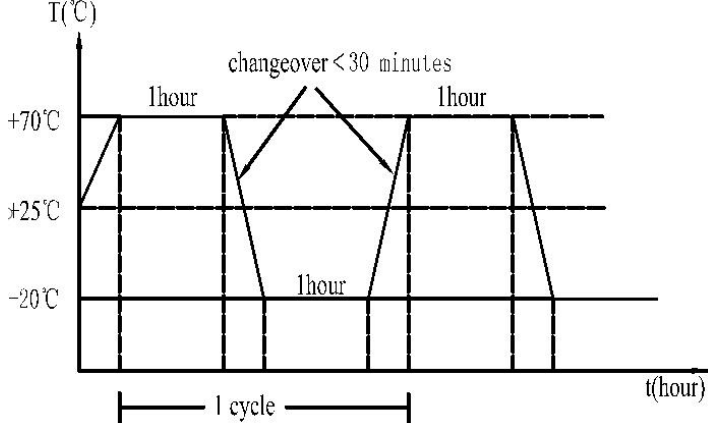
Test condition: Temperature: 15~35°C Related Humidity:25~75% (GB/T9396-1996)

No.	Item	Specification	Condition
1	Dimension	70x30.5xH16.6mm	
2	Impedance	4.0±15%Ω	a2KHz 3.46V without baffler
3	Output Sound Pressure Level	95±3dB(3Watt,0.1Meter)	At 1K、1.2K、1.5K、2.0KHz in average
4	Response Frequency	250±20%Hz	At 1V Without Baffler
5	Power Rating	Normal: 3W	(in free air)
		Maximum: 3.5W	(in free air) White Noise for 1 Minute
6	Frequency Range	F0 ~ 20KHz	Deviation -10dB from average S.P.L
7	Operating temperature	- 20 ~ + 60°C	
8	Storage temperature	- 20 ~ + 60°C	
9	Abnormal Sound test	Must be normal with input of sine wave 3.46V (300Hz~5KHz)	
10	Distortion	≤10%	At 1KHz,3W 0.1M
11	Polarity	When a positive D.C current is applied to terminal marked(+)diaphragm shall move forward	
12	RoHS	The Speaker is RoHS compliant.	

C.ENVIRONMENT TEST

No.	Item	Condition	Evaluation standard
1	High Temperature	After being placed in a chamber at +70±2°C for 96 hours	Being placed for 4 hours at room temperature, speaker shall be measured. SPL should not deviate by ± 5 dB,and nor any significant damage.
2	Low Temperature	After being placed in a chamber at -20±2°C for 96 hours	
3	Humidity	After being placed in a chamber at +40 ± 2°C and 90~95%(RH) Relative Humidity for 96 hours.	
4	Temperature Cycle test	Temperature: -20°C +70°C Duration: 1hours 1hours Temperature gradient: 3~5°C/min. Cycle: 2	

D. MECHANICAL CHARACTERISTICS

No.	Item	Test condition	Evaluation standard
1	Drop Test	Height: 1.5 m Cycle: 6 cycle onto the concrete board	
	Vibration Test	Vibration : 10Hz~55Hz~10Hz Oct/min Amplitude : 1.5mm Duration : 2 hours in each of 3 axes 	SPL shall not deviate by ± 5 dB from pre-test measurement, and nor any significant damage.

E. RELIABILITY TEST

No.	Item	Test conditions	Evaluation standard
1	Load test	3W White noise is applied for 24 hours	After test, SPL shall not deviate by ± 5 dB from pre-test measurement, and nor any significant damage .

F. MEASURING METHOD(SPEAKER MODE)

F-1. Test Condition

(a) STANDARD:

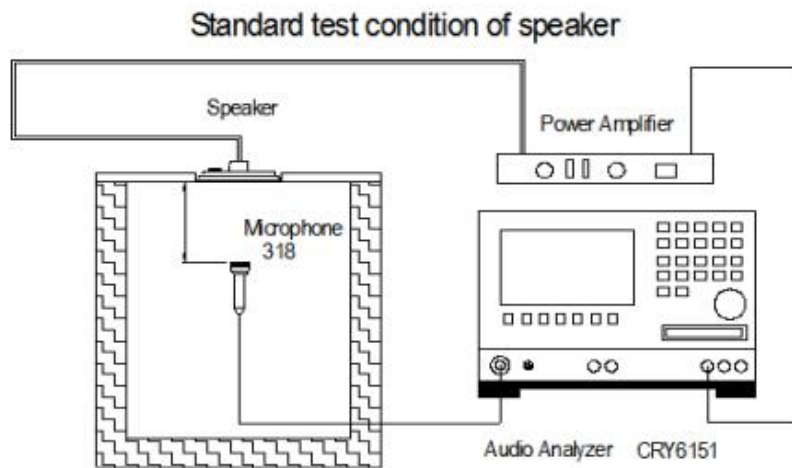
Temperature : 15 ~ 35°C, Relative humidity : 45% ~ 85%,
Atmospheric pressure : 860mbar to 1060mbar

(b) JUDGEMENT:

Temperature : $20 \pm 3^\circ\text{C}$, Relative humidity : 60% ~ 70%,
Atmospheric pressure : 860mbar to 1060mbar

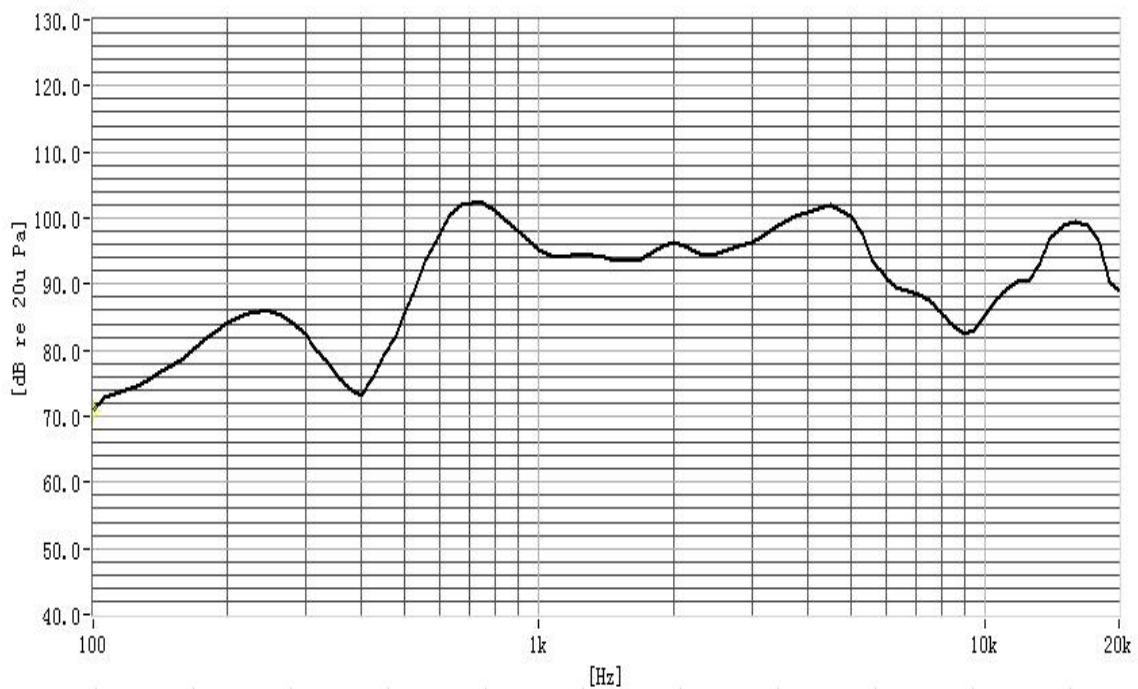
F-2. Standard Test Fixture

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

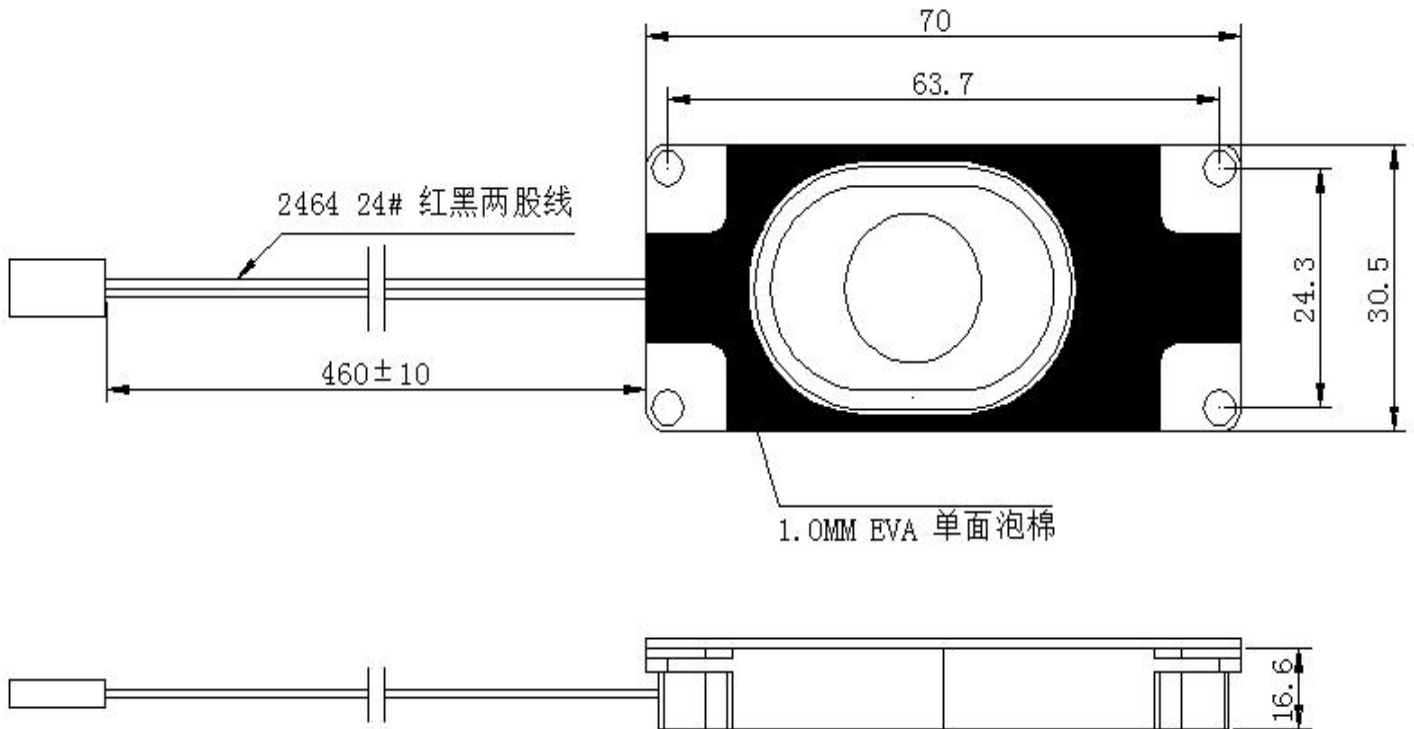


G. FREQUENCY CURVE

XY Graph 1



H. APPEARANCE DRAWING



nit: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.

