

# 请承认书

版本号： V1.1

常州声翔电子有限公司  
Changzhou TDA<sup>®</sup> Electronic Co., LTD  
客户名称

CUSTOMER NAMED : \_\_\_\_\_

产品名称

COMMODITY : Speaker

产品型号

MODEL NO : TDA-W3015KDP17

客户料号

PART NO : \_\_\_\_\_

审核

徐青梅

主办

冯静 15/7/01

客户承认栏

承认

拒收

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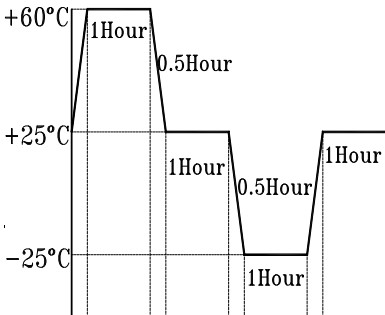
# A.MODEL: TDA-W3015KDP17

## B. SPECIFICATION

Test condition: Temperature: 15~35°C Related Humidity:25~75% (GB/T9396-1966)

No.	Item	Specification	Condition
1	Dimension	30 x15 x H 1.7mm	
2	Weight	1.6Grams	
3	Electric Capacity	300± 30%nF	0.3Vrms 1kHz
4	Resonant Frequency	850 ± 20%	
5	Output Sound Pressure Level S.P.L.	80±3db(5V / 0.1Meter )	Average at 0.9K,1.0K,1.2K,1.5K Hz
6	Frequency Range	Fo---20K	Average SPL 10 db.
7	Distortion	10% Maximum	At 1.0kHz , 0.5W
9	Power Rating	Normal: 5 Vrms Maximum: 7 Vrms	Sine Wave
10	Operating temp.	- 25 ~ + 60°C	
11	Abnormal Sound test	Must be Normal Tested By 5Vrms	Sine Wave
12	Load Test	5Vrms 100H	White Noise
13	RoHS	The Speaker is RoHS compliant.	

## C. Environmental Test

No.	Item	Condition	Evaluation standard
1	High Temperature	After being placed in a chamber at +60°C for 96 hours	Being placed for 6 hours at room temperature, speaker shall be measured. SPL should not deviate by ± 3 db, and resonant frequency should not deviate by ± 80 Hz, compare with pre-test measurement.
2	Low Temperature	After being placed in a chamber at -25°C for 96 hours.	
3	Humidity	After being placed in a chamber at +40 ± 3 °C and 90~95%(RH) Relative Humidity for 96 hours.	
4	Temperature Cycle test	<p>The part shall be subjected to 4 cycles. One cycle shall be consist of:</p> 	

## D. Mechanical and Vibration Test

No.	Item	Test condition	Evaluation standard
1	Vibration	Frequency 3015 Hz, Amplitude 1.5 mm for 3 Hours.	SPL shall not deviate by 3 db from pre-test
2	Drop Test	Drop the speakers onto the board 40 mm thick 10 times from the height of 75 cm.	measurement,

## E. Reliability Test

No.	Item	Test conditions	Evaluation standard
1	Load test	5Vrms White noise is applied for 100 hours	Speaker should not fail after apply 20 ~ 20K Hz White noise rated power input (RMS), 100 hours. After test, SPL shall not deviate by 3 db from pre-test measurement,

## F. MEASURING METHOD(SPEAKER MODE)

F-1 .Test Condition

### STANDARD:

Temperature : 15 ~ 35°C

Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar

### JUDGEMENT:

Temperature : 20±3°C

Relative humidity : 60% ~ 70%,

F-2 . Standard Test Fixture

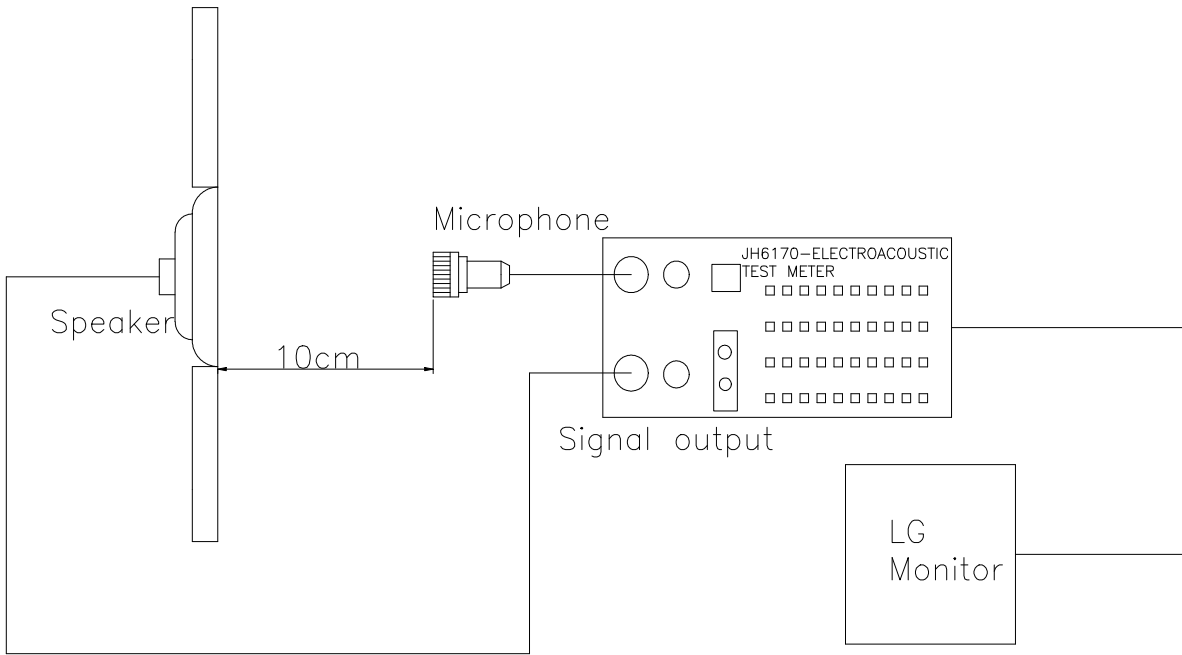
1.Input Power :5V

2.Zero Level : -dB

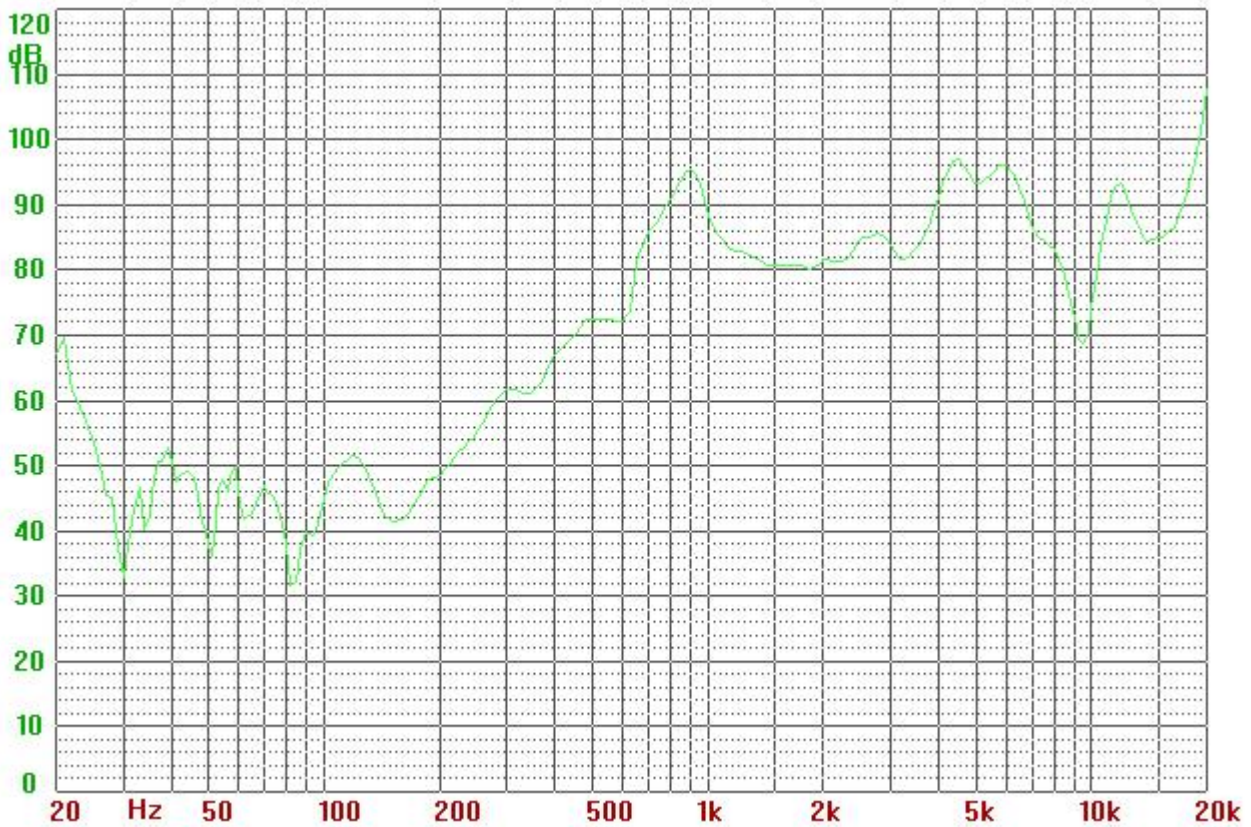
3.Mode : SPEAKER

4.potentiometer Range : 50dB

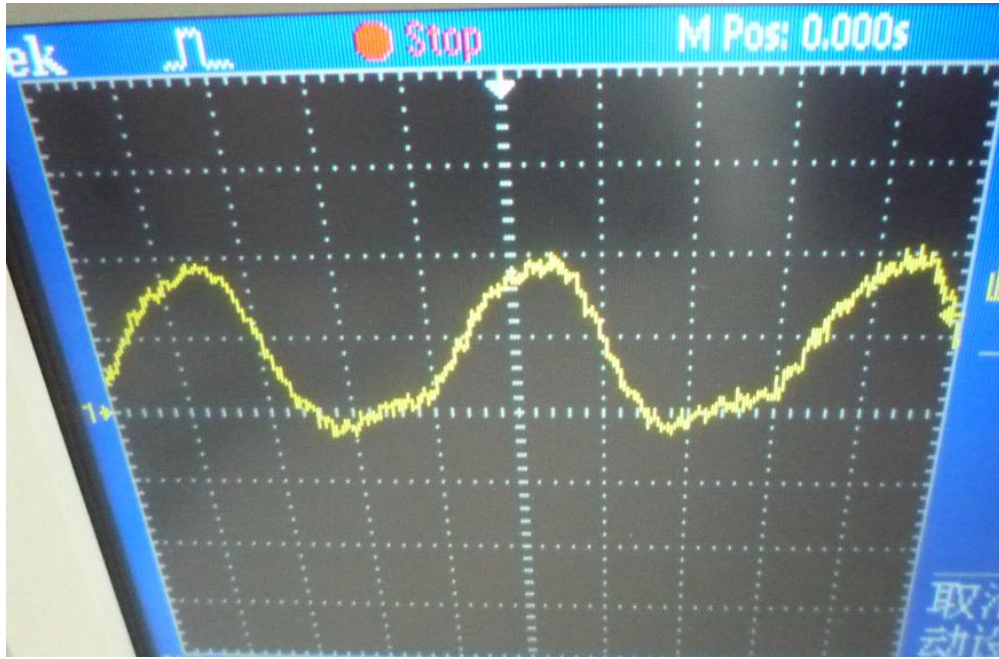
5.Sweep Time : 0.5sec



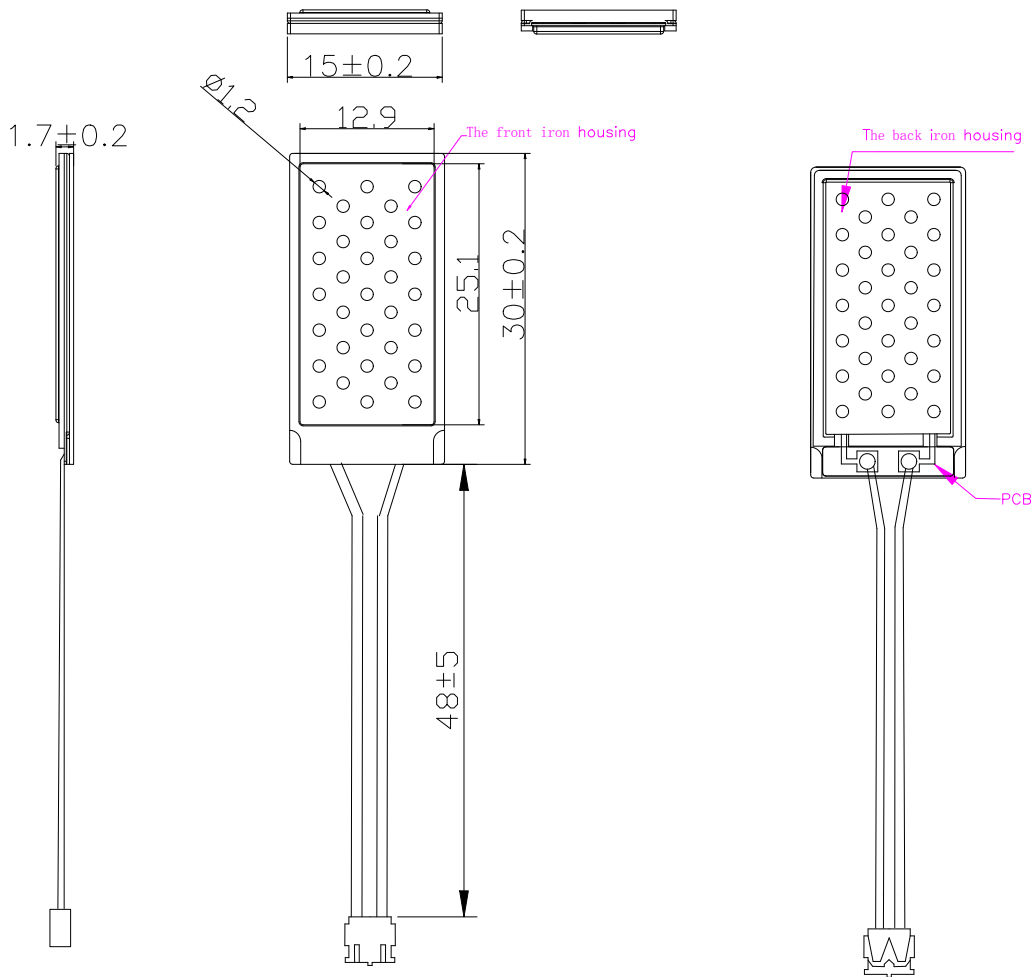
## G. FREQUENCY RESPONSE CURVE



# H.THD



## I. DRAWING



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

