

请承认书

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

常州	昊 翔 电	子 有 限	公 司				
Changzho	u HaoXiang	Electronic	Co., LTD				
客户名	客户名称						
CUSTOME	CUSTOMER NAMER:						
产品名	分称						
COMMODI	:	Speaker					
产品型	号号						
MODEL NO	MODEL NO : TDA-R37CC8I16						
客户彩	1号						
PART NO	•						
		1	1				
审核	秦皓	主办	唐俐雅 Sept.3,2018				

	客	户	承	认	栏		
承	认				拒	收	

常	州	昊	美羽	电	子	有	限	公	司
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A. MODEL: TDA-R37CC8I16

B. SPECIFICATION

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

No.	Item	Specification	Condition
1	Dimension	Ø37xH16.5mm	
2	DC Resistance	7.4±15% Ω	At 20℃
3	Impedance	8±15% Ω	At 20℃
4	Resonant Frequency	400± 15%Hz	
5	Output Sound Pressure Level	72±2dB(0.1Watt / 1.0Meter)	Average at1K Hz
6	Frequency Range	F017KHz	Average SPL 10 db.
7	Power Rating	Normal: 0.3 Watts Maximum: 0.5Watts	Sine Wave
8	Operating temperature	- 40 ~ + 90 ℃	
9	Storage temperature	- 40 ~ + 90 ℃	
10	Abnormal Sound test	Must be Normal Tested By 1.55 Vrms	Sine Wave,no buzzes and rattles
11	Load Test	0.2W 96H	White Noise
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 +90 \pm 3 $^{\circ}$ for 96 hours	Being placed for 4 hours at room
2	Low Temperature	After being placed in a chamber at -40 \pm 3 $^{\circ}\mathrm{C}$ $$ for 96 hours.	temperature, speaker shall be measured. SPL should not deviate by ±3 db, and resonant frequency should
3	Humidity		not deviate by \pm 80 Hz, compare with pre-test measurement.

D. MECHANICAL CHARACTERISTICS

No	ο.	ltem	Test condition	Evaluation standard
1		Drop Test	Drop sample in box on 20cm thickness wood board 3 directions for 10 times, Height: 75cm	SPL shall not deviate by 3 db from pre-test measurement

E.RELIABILTY TEST

No.	Item	Test conditions	Evaluation standard	
			Speaker should not fail	
			after apply 1K Hz White	
		noise rated power input		
1	Load test	0.2W White noise is applied for 96hours.	(RMS), 96 hours. After test,	
		SPL:	SPL shall not deviate by 3	
			db from pre-test	
			measurement	

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℃

Relative humidity: 60% ~ 70%,

F-2.Standard Test Fixture

1.Input Power: 0.1W

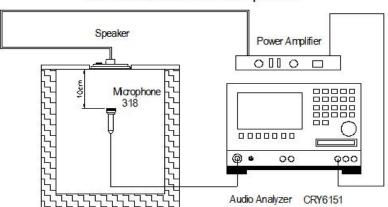
2.Zero Level: -dB

3.Mode: TSR

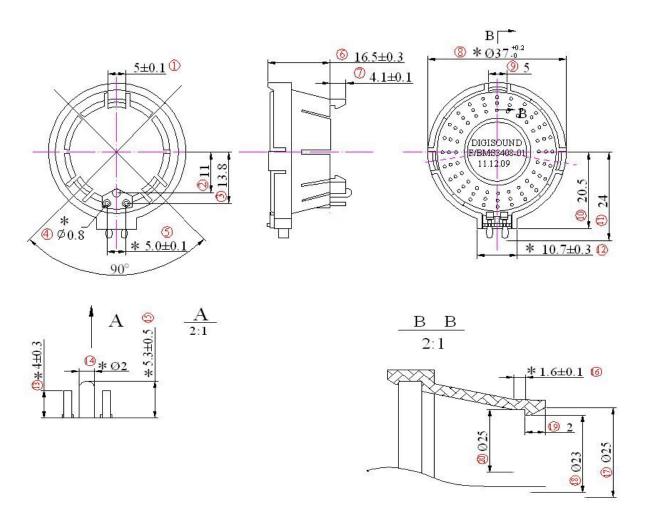
4.potentiometer Range: 50dB

5.Sweep Time: 0.5sec

Standard test condition of speaker

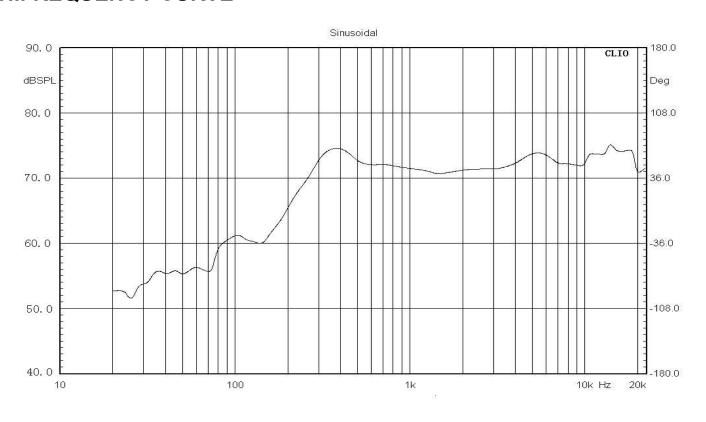


G.APPEARANCE DRAWING



Unit:mm Tolerance: ±0.5mm

H.FREQUENCY CURVE



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	Sept.3,2018	Initial condition	TDA-R37CC8I16	V2.0