



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 NAME : _____

产品名称

COMMODITY : Speaker & Microphone

产品型号

MODEL NO : TDA-BBY27W20L150

客户料号

PART NO : _____

审核

秦皓

主办

潘莲 Feb.13,2025

客户承认栏

承认

拒收

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A. MODEL: TDA-BBY27W20L150

B. SPECIFICATION (Speaker)

Test condition: Temperature: 15~35℃ Related Humidity:25~75% (GB/T9397-2013)

No.	Item	Specification	Condition
1	Dimension	Φ 27xH5.3mm	
2	Impedance	4 ± 15%Ω	At 1KHz 1V
3	Output Sound Pressure Level	90 ± 3dB (2W, 0.1M)	At 0.5K,0.8K,1.0K,1.2KHz (Average figures)
4	Response Frequency	350 ± 20%Hz	At 1.0V
5	Frequency Range	F0~20KHz	
6	Distortion	≤ 10%	At 1.0KHz
7	Power Rating	Normal: 2W Maximum: 2.5W	Maximum Power:IEC-60268-5 Filter 60s On/120s Off 10 Cycles (Room TEMP.)
8	Operating temperature	- 30 ~ + 85℃	
9	Storage temperature	- 30 ~ + 85℃	
10	Abnormal Sound test	Not be audible at 2.83V sine wave between F0~ 10K Hz	
11	RoHS	The Speaker is RoHS compliant.	

注：以上为扬声器独立单体规格性能参数

Note: The above are the specifications and performance parameters of individual loudspeakers

C. SPECIFICATION (Microphone)

No.	Item	Specification	Condition
1	Directivity	Omnidirectional	
2	Sensitivity	-32±3dB	F=1KHz 0dB=1V/Pa
3	Standard operating voltage	2V	
4	Bias resistor	2.2K Ω	F=1KHz 1Pa
5	Max. operating voltage	10V	
6	Sensitivity reduction	-3dB	At3.0V to 1.5V
7	Frequency	50~16000Hz	
8	Max.current consumption	0.5mA	
9	Signal to noise ratio	60dB	F=1KHz 1Pa Aweighted
10	Storage temp	-30℃~+85℃	
11	Operating temp	-30℃~+85℃	

注：以上为麦克风独立单体规格性能参数

Note: The above are the performance parameters of microphone independent monomer

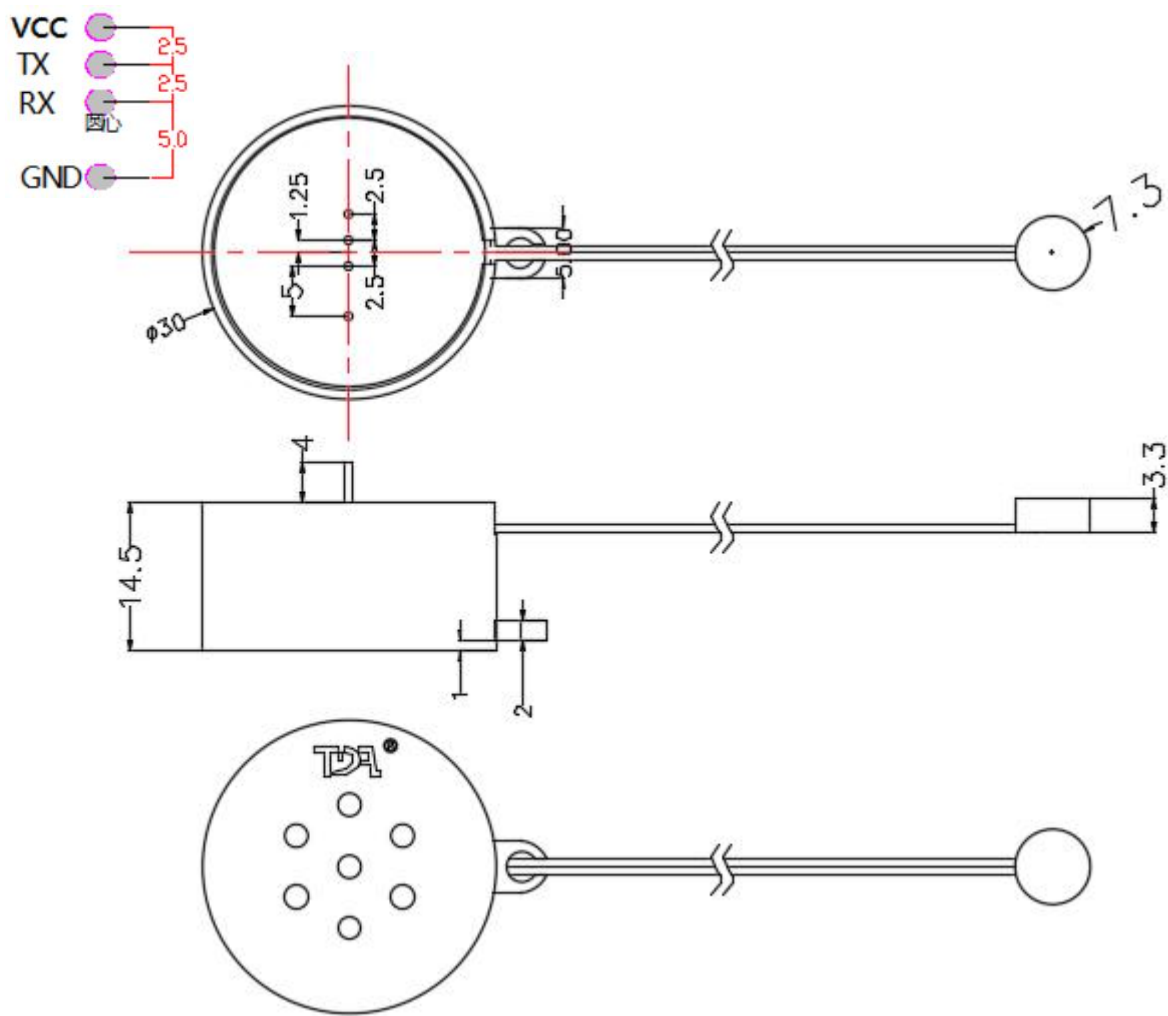
D.ENVIRONMENT TEST

No.	Item	Condition	Evaluation standard
1	High Temperature	After being placed in a chamber at $+85\pm2^{\circ}\text{C}$ and 20~25%(RH) Relative Humidity for 48 hours	The speaker was measured after it had been placed at room temperature for 4 hours. SPL has no abnormal sound and should not cause obvious damage.
2	Humidity	After being placed in a chamber at $+40\pm2^{\circ}\text{C}$ and 90~95%(RH) Relative Humidity for 48 hours.	

E.RELIABILTY TEST

No.	Item	Test conditions	Evaluation standard
1	Load test	1W white noise(EIA filter) is applied for 24 hours.	The speaker was measured after it had been placed at room temperature for 4 hours. SPL has no abnormal sound and should not cause obvious damage.

E.APPEARANCE DRAWING



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

F. 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.

J. REVISION

[illegible]