

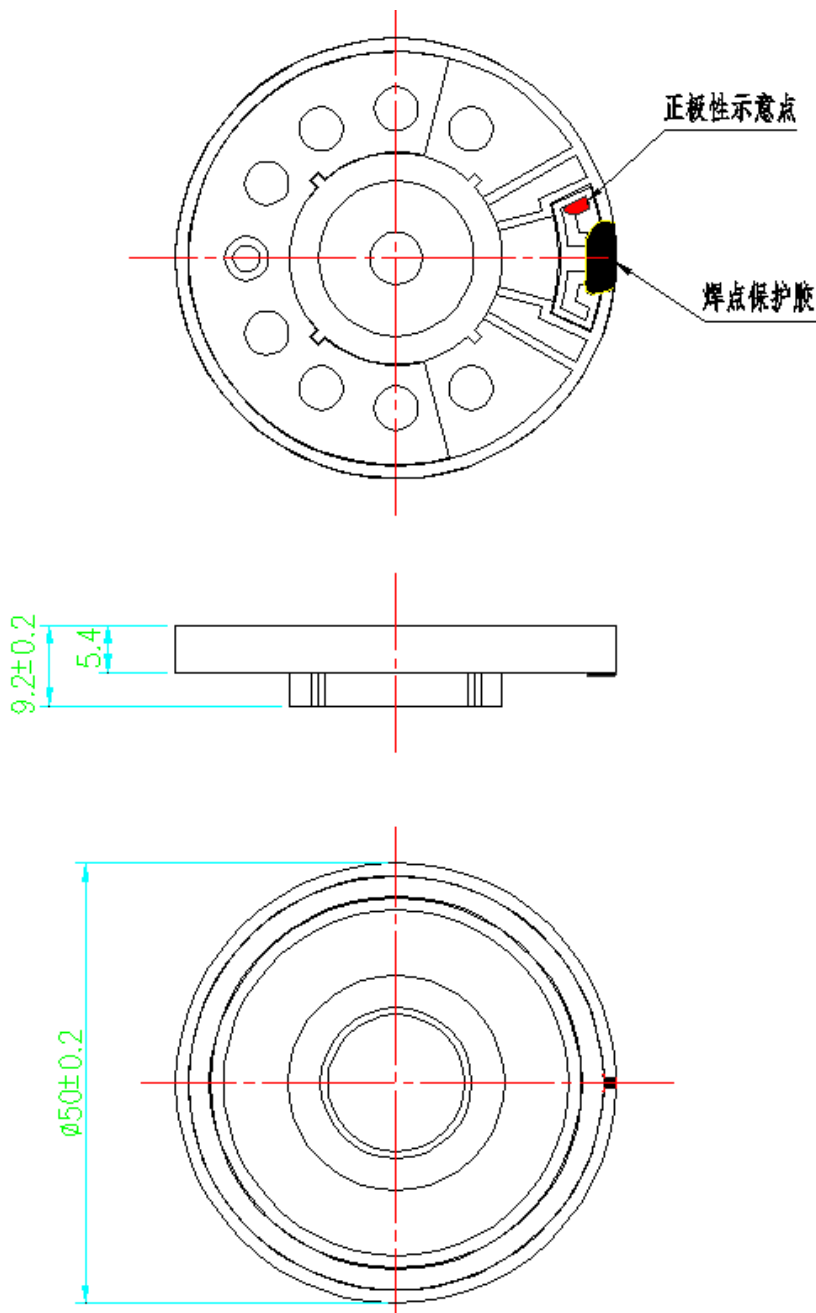
ADS-SP-50.0-16-001

Advantages:

- Better low frequency and low THD.
- Can be used in Headphone.

Mechanical data:

- Dimension:



ADS-SP-50.0-16-001

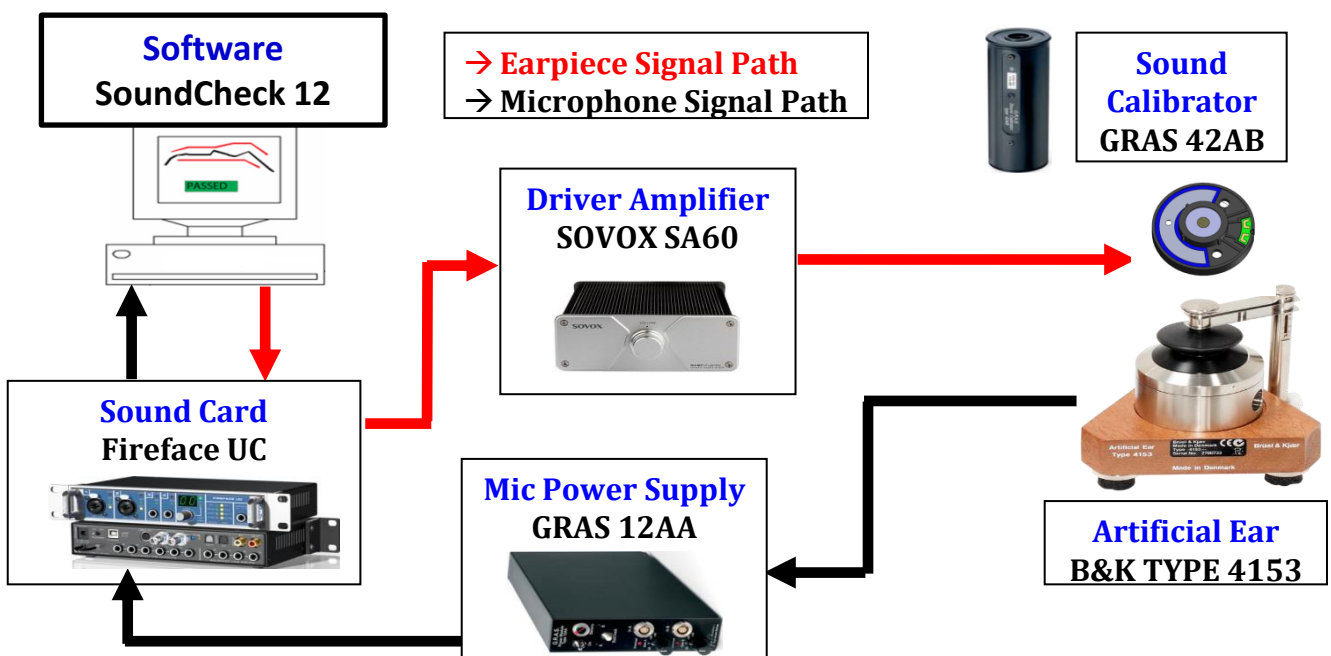
Electrical and Acoustic Properties:

Item	Spec	Unit
Dynamic Dimension	Phi 50 x 8.9	mm
Material of Diaphragm	PEEK+PU	
Material of Voice Coil	Copper	
Sensitivity at 1kHz	112±3dB@1KHz	dB
DCR	16± 15%	Ohm
F0	85±20%	Hz
THD	≤3% (50~10KHz)	%
Normal Power	20	mW
Max. Power	40	mW
BUZZE & RATTLES	Must be free audible noise From 50 Hz to 3KHz frequency range, Input : 0.566 VRms	

Acoustic specification:

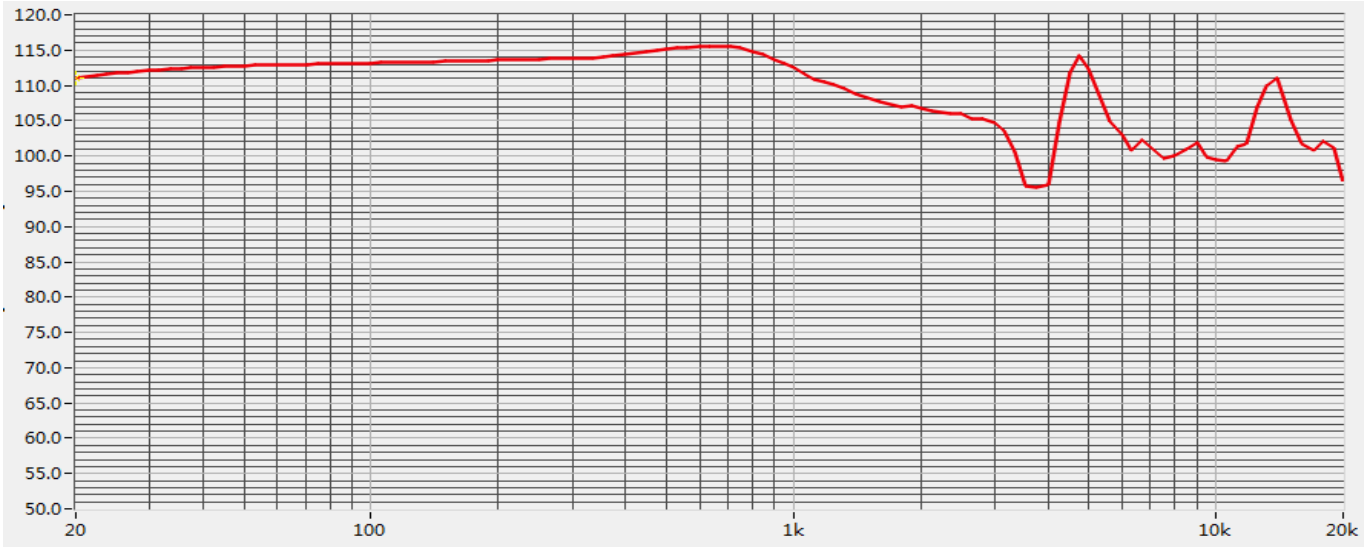
1, Test condition

- 1.1 Test voltage: DC 126mVrms
- 1.2 Test fixture: IEC318Ear
- 1.3 Source requirements: source impedance <1ohm.

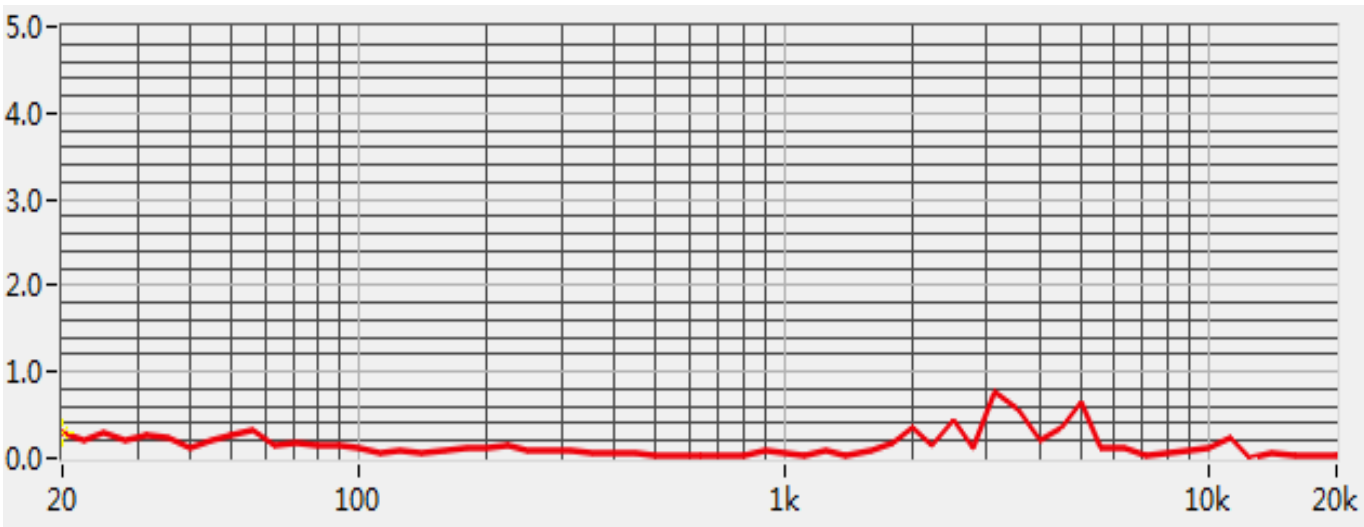


ADS-SP-50.0-16-001

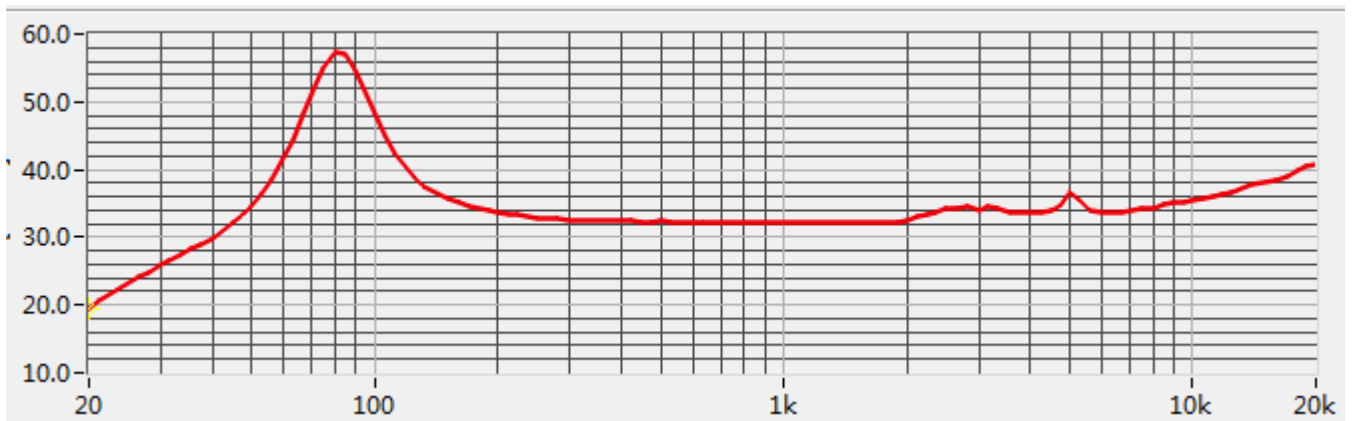
2, Acoustic Test Result.



Frequency Response



THD



Impedance

ADS-SP-50.0-16-001

Storage and operating requirements:

- Follow below table:

Item	Temperature (°C)	Humidity (%RH)	barometric pressure (hPa)
Storage	-40 ~ 63	10 ~ 60	500 ~ 1060
Operating/test	-20 ~ 70	45 ~ 85	860 ~ 1060
Judgment	18 ~ 22	60 ~ 70	860 ~ 1060

Reliability test

3.1 Continues power on test

Condition: 5mw Pink noise; Approximate test time 96h

Pass/fail criteria: Unaffected performance after the test.

3.2 Free fall test

Condition: 1m (To Hard wood) ; Model of operation: Power off

Approximate test time : total 10 times

Pass/fail criteria: Unaffected performance after the test.

3.3 Cold, non-operational

Condition: Temperature:-40°C; Model of operation: Power off

Approximate test time 96 h

Pass/fail criteria: Unaffected performance after the test(At room temperature for 4H).

3.4 Heat, non-operational

Condition: Temperature:+70°C; Model of operation: Power off;

Approximate test time 96 h

Pass/fail criteria: Unaffected performance after the test

3.5 Temperature and humidity cycling, non-operational

Condition: Temperature:-30°C~70°C, 90%RH

Model of operation: Power off

Approximate test time : 4H/cycle, total 15 cycle

Pass/fail criteria: Unaffected performance after the test

Website: www.china-armature.com

Office Tel: (+86) 0519-81882133

Mail box: sales@china-armature.com

Address: No.7 Lanxiang Road economic development zone

Wujin district Changzhou City China