

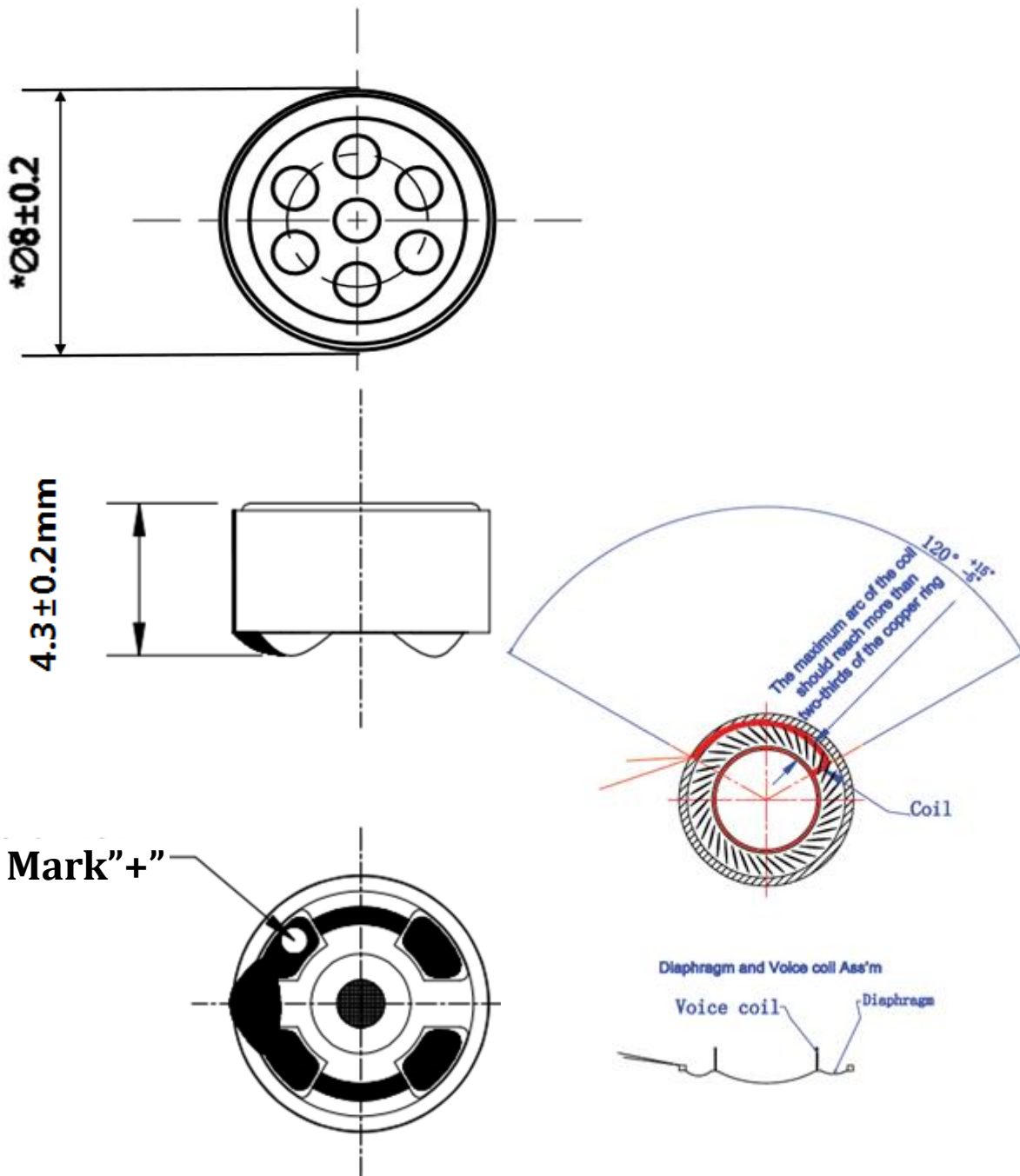
ADS-SP-8.0-32-001

Advantages:

- better low frequency, high sensitivity.
- Can be used in Earphone.

Mechanical data:

- Weight:.0.54g
- Dimension:



ADS-SP-8.0-32-001

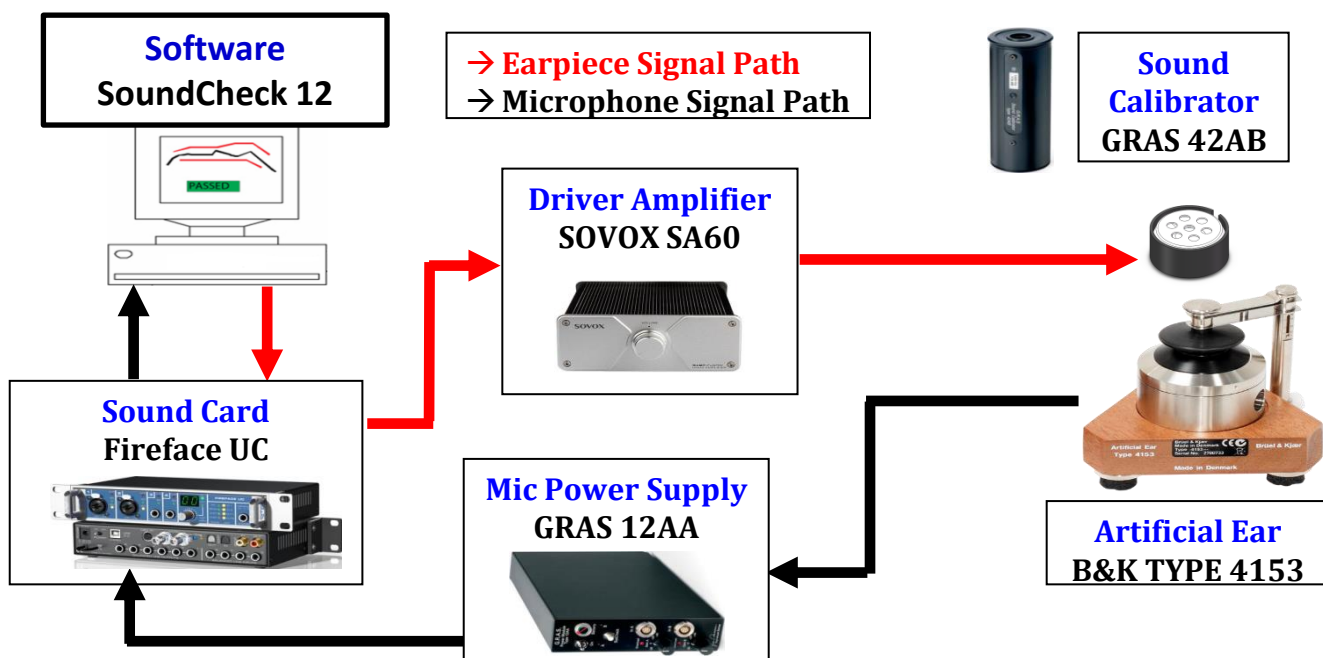
Electrical and Acoustic Properties:

| Item | Spec | Unit |
|------------------------|---|------|
| Dynamic Dimension | Phi 8.0x 4.3 | mm |
| Material of Diaphragm | PET | |
| Material of Voice Coil | Copper | |
| Sensitivity at 1kHz | 95±3dB@1KHz | dB |
| DCR | 32± 15% | Ohm |
| THD | ≤5% (100~8KHz) | % |
| Normal Power | 5 | mW |
| Max. Power | 10 | mW |
| BUZZE & RATTLES | Must be free audible noise From 50 Hz to 3KHz frequency range, Input : 0.3 VRms | |

Acoustic specification:

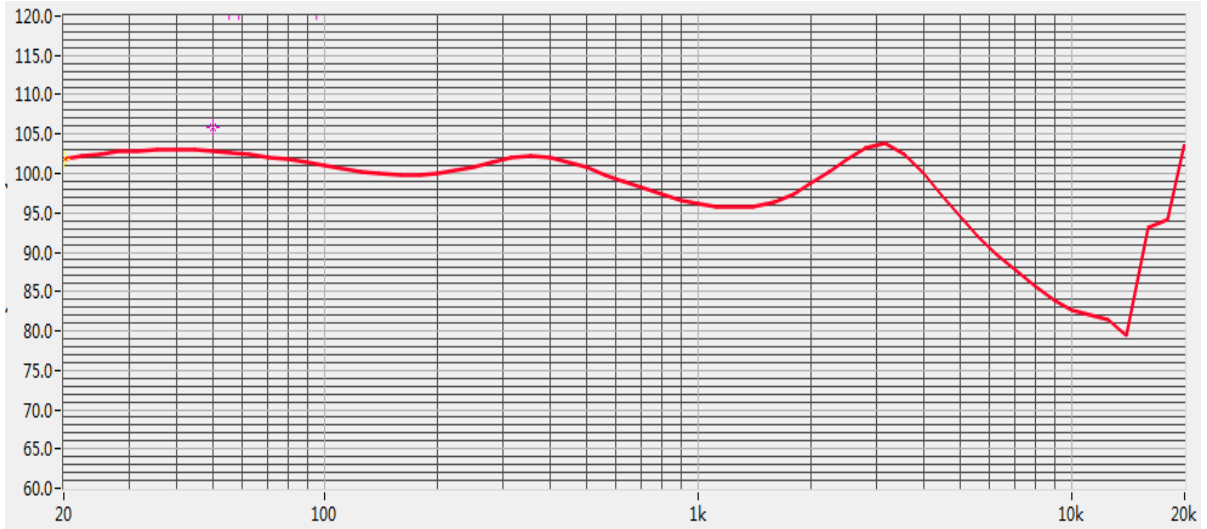
1, Test condition

- 1.1 Test voltage: DC 179mVrms
- 1.2 Test fixture: IEC318Ear
- 1.3 Source requirements: source impedance <1ohm.

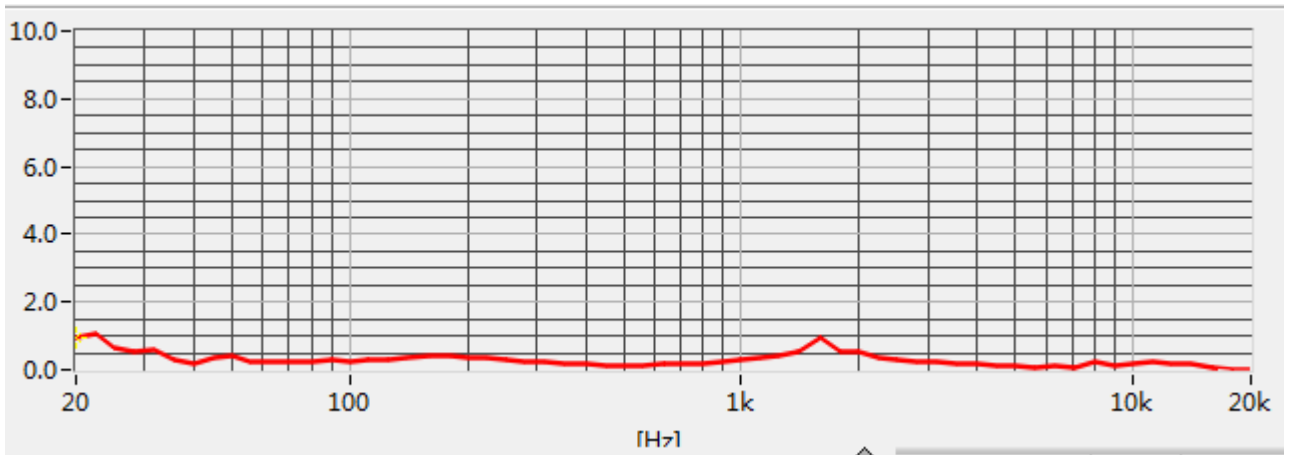


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2, Acoustic Test Result.



Frequency Response



THD

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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