



**APPROVAL SHEET
FOR
MYLAR SPEAKER**

常州富鸿达电子有限公司

CHANG ZHOU FHD ELECTRONICS CO., LTD.

CUSTOMER No.:

CLUE No.:

MODEL No.: FHDSP32A-001

OUR PART No.:

PART No.:

| CUSTOMER | APPROVED | CHECKED |
|----------|----------|---------|
| | | |

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|---------------------------------|--------------|------|-----------|-------------|
| | | | Des. | Chk. |
| Model No.: | FHDSP32A-001 | P/N: | Xu Fei | |
| | | | 8/18/2021 | 8/18/2021 |

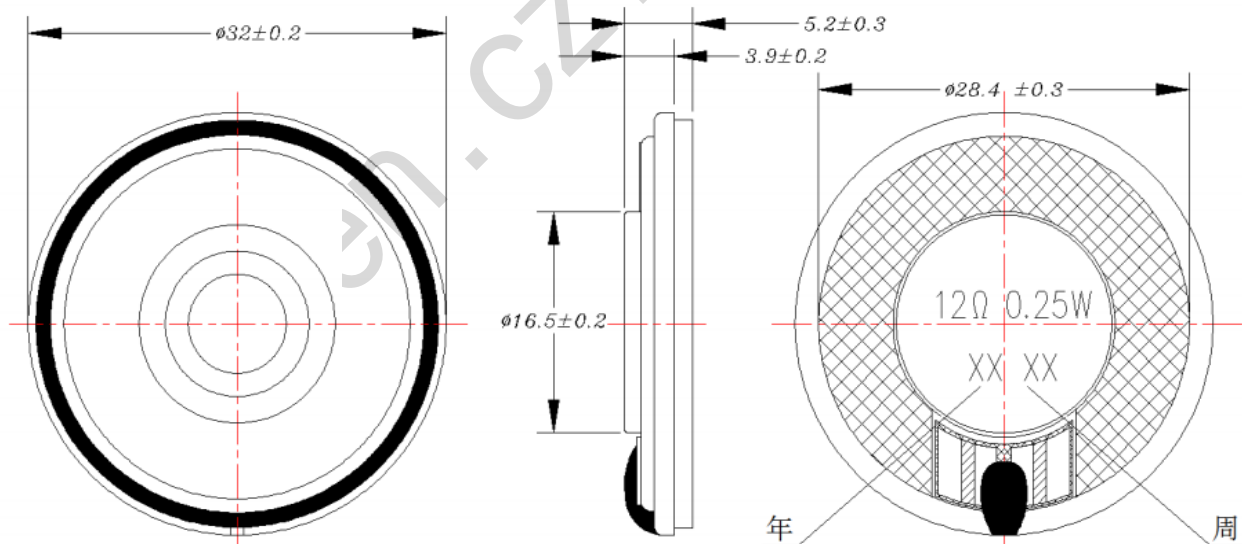
2.SPECIFICATION

Speaker

| | | |
|----|----------------------------|---|
| 1 | Dimension | Φ 32*H5.2mm |
| 2 | Impedance | 120hm ± 20% at 1KHz |
| 3 | Rated Input Power | 0.25W |
| 4 | Max Input Power | 0.5W |
| 5 | Lowest Resonance Frequency | 500±20%Hz @ 1V. (Without Baffler) |
| 6 | Audible Noise | The input power shall be set at rated noise power(0.25W). Using an audio oscillator sweep from F0 to 10KHZ in free air. There shall be no buzzes,rattles,nor spurious noises. |
| 7 | Sound Pressure Level | 97 ± 3dB SPL(0.1m,0.25W) at 0.8,1.0,1.2,1.5KHz (0dB SPL=20 μ Pa) |
| 8 | Distortion | Less exceed ≤10% |
| 9 | Operating Temperature | -30°C to + 60°C |
| 10 | Store Temperature | -40°C to +65°C |

3. Dimensions

UNIT: mm unless otherwise specified ,tolerance:±0.3



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|--|---------------------|--------|-------------|
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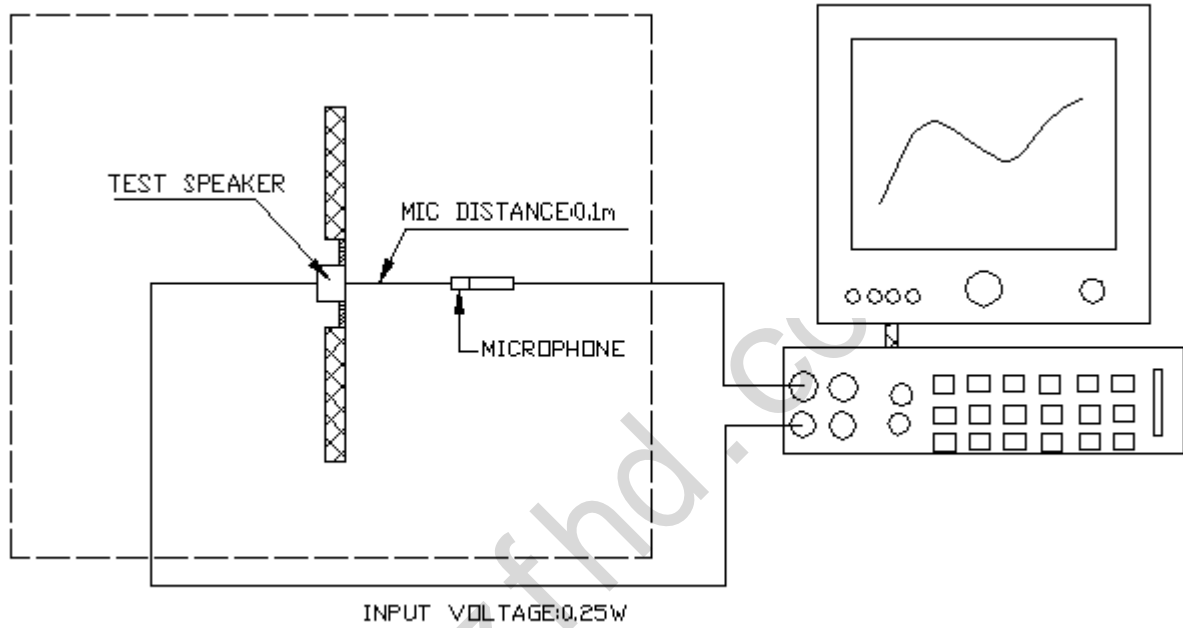
4. Reliability Test 可靠性測試

| | | |
|-----|----------------------------|---|
| 4.1 | High Temperature Test | High Temperature: +65°C±5°C Duration : 96 hours |
| 4.2 | Low Temperature Test | Low Temperature: -40°C±5°C Duration : 96 hours |
| 4.3 | Humidity Test | Temperature: +40°C±5°C Relative humidity: 90%~95% RH Duration : 96 hours |
| 4.4 | Vibration Test | Vibration: 10Hz~55Hz Amplitude: 1.52mm or acceleration : 50m/s ² Duration : 2h per axis=10 cycles ; 3 axis |
| 4.5 | Temperature Cycle Test | Temperature: -40°C ↔ +65°C Duration : 1 hours 1 hours Cycle: 10 Cycle |
| 4.6 | Drop Test (under the unit) | Height: 1.5m Cycle: 10 Cycles |
| 4.7 | Load Test | Noise: White noise Power: 0.25W Duration: 96 hours and satisfy the test listed on item 05,08,14. |

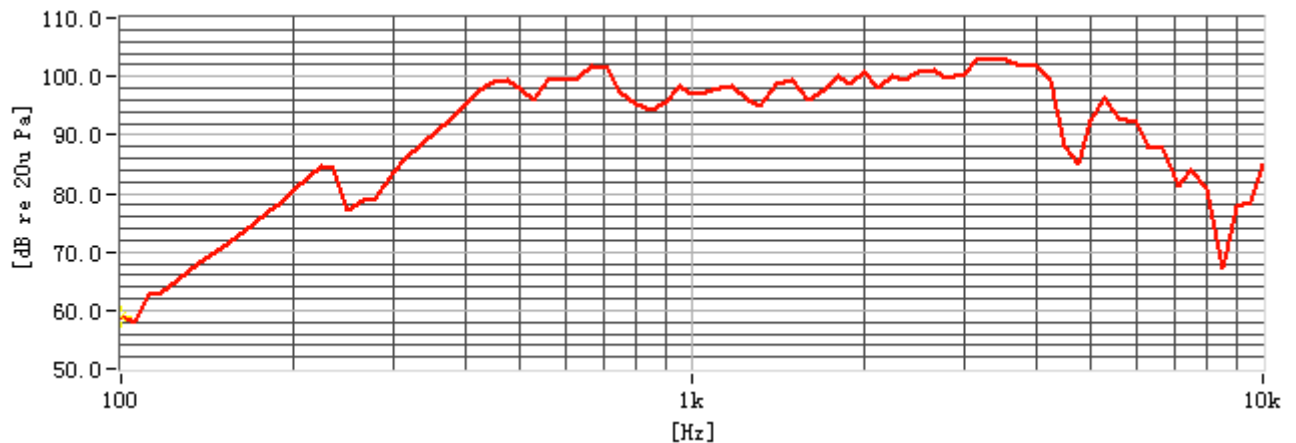
The test shall be carried out on the parts that passed 12hours in temperature 20°C.
 The sensitivity difference from the initial value shall be within ±3dB.

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5. Electrical And Acoustical Measuring Condition

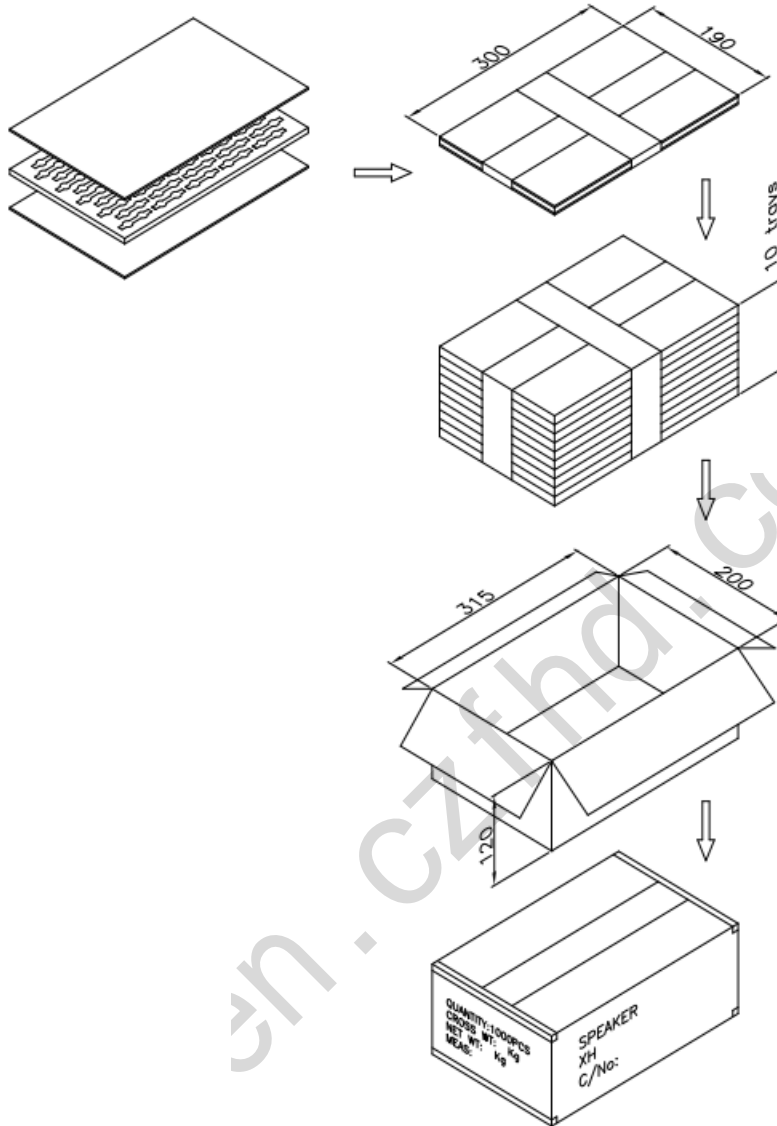


6. Frequency Response



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7. PACKING METHOD



100pcs of speaker in each tray

10trays in one carton

Total: 2000 pcs / 1 carton

Gross Weight: 3.0KGS

Net Weight: 1.5KGS