



**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.: FHDSP1609B-001

OUR PART No.:

PART No.:

CUSTOMER	APPROVED	CHECKED

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			Des.	Chk.
Model No.:	FHDSP1609B-001	P/N:	Xu Fei	
			8/18/2021	8/18/2021

1. Document revision history

修改时间	版本	修改页次	修改内容	确认人

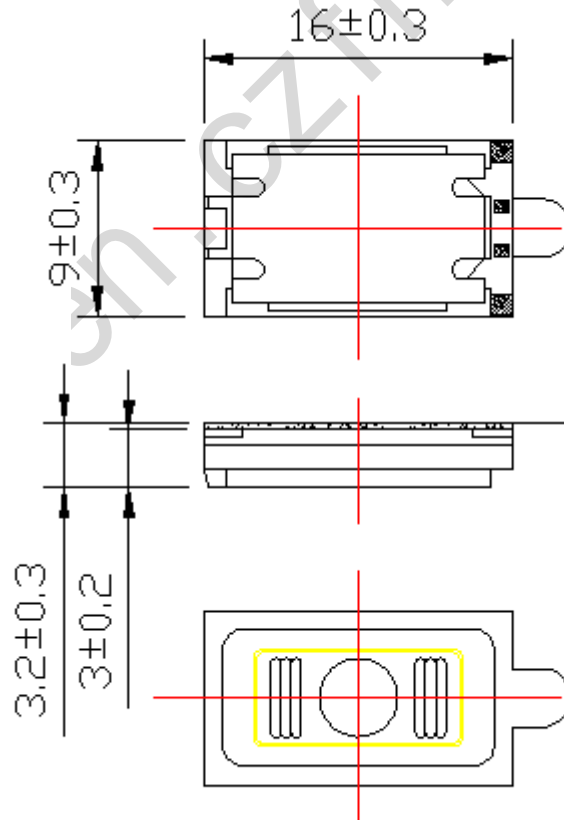
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2. SPECIFICATION

Speaker

1	Dimension	16*9.0*H3.0mm
2	Impedance	60hm ± 20% at 1.0KHz
3	Rated Input Power	0.8W (in 1cc box)
4	Max Input Power	1.0W (in 1cc box)
5	Lowest Resonance Frequency	900±20%Hz
6	Audible Noise	The input power shall be set at rated noise power(0.8W). 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	82 ± 3dB SPL(0.1m,0.1W) at 0.8,1.0,1.2,1.5KHz (0dB SPL=20 μ Pa)
8	Distortion	Less exceed ≤ 10% at 1.0KHz
9	Operating Temperature	-20°C to + 60°C
10	Store Temperature	-30°C to + 70°C

3. Dimensions



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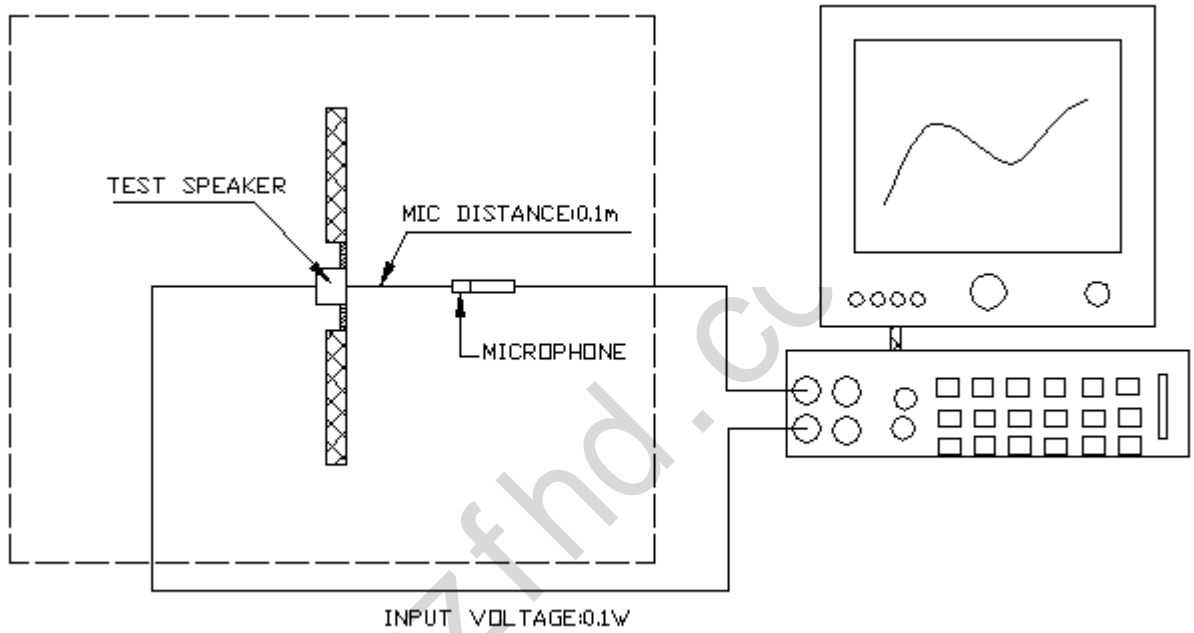
4. Reliability Test 可靠性測試

4.1	High Temperature Test	High Temperature: +70°C±5°C Duration : 96 hours
4.2	Low Temperature Test	Low Temperature: -30°C±5°C Duration : 96 hours
4.3	Humidity Test	Temperature: +40°C±5°C Relative humidity: 90%~96% RH Duration : 96 hours
4.4	Vibration Test	Vibration: 10Hz~200Hz Amplitude: 0.35mm or acceleration : 50m/s ² Duration : 2h per axis=10cycles ; 3 axis
4.5	Temperature Cycle Test	Temperature: -30°C ↔ +70°C Duration : 2 hours 2 hours Cycle: 5 Cycle
4.6	Drop Test (under the unit)	Height: 1.0m Cycle: 6 Cycles
4.7	Load Test	Noise: White noise Power: 0.8W (in 1cc box) Duration: 96 hours and satisfy the test listed on item 05,08,14.

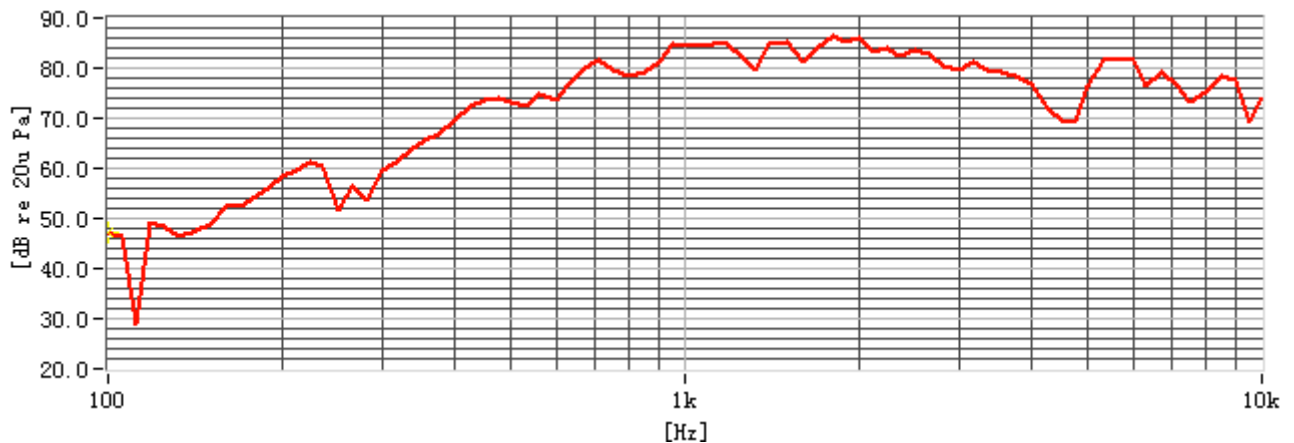
The test shall be carried out on the parts that passed 12hours in temperature 20°C.
The sensitivity difference from the initial value shall be within ±3dB.

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5. Electrical And Acoustical Measuring Condition



6. Frequency Response



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7. PACKING METHOD

