



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.: FHDSP13A-002

OUR PART No.:

PART No.:

CUSTOMER	APPROVED	CHECKED

Add: Xujia Industrial Park, ZhenLu Town, Changzhou City, Jiangsu China.

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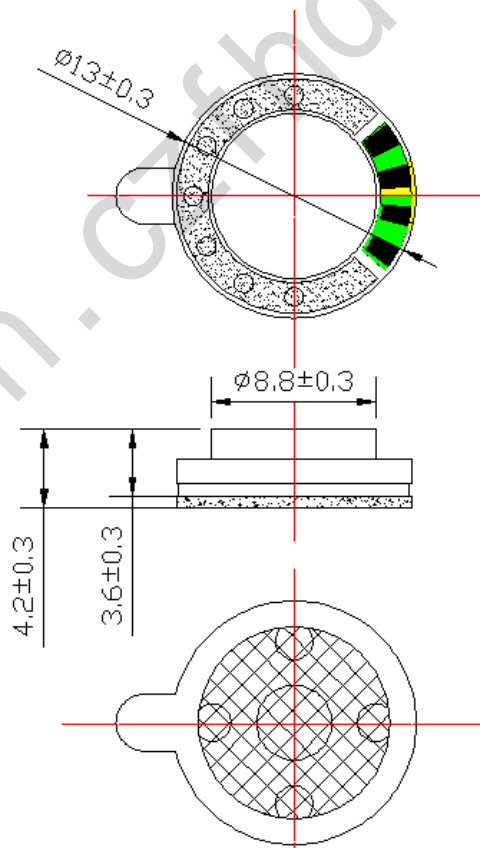
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			Des.	Chk.
Model No.:	FHDSP13A-002	P/N:	Xu Fei	
			8/18/2021	8/18/2021

2. SPECIFICATION

Speaker

1	Dimension	$\Phi 13 \times H4.2$
2	Impedance	32Ohm \pm 20% at 1.0KHz
3	Rated Input Power	0.5W
4	Max Input Power	1.0W
5	Lowest Resonance Frequency	600 \pm 20%Hz
6	Audible Noise	The input power shall be set at rated noise power(0.5W). 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	88 \pm 3dB SPL(0.1m,0.5W) at1.0,1.2,1.5 2.0KHz (0dB SPL=20 μ Pa)
8	Distortion	Less exceed \leq 10% at2.0KHz
9	Operating Temperature	-30 $^{\circ}$ C to + 70 $^{\circ}$ C
10	Store Temperature	-40 $^{\circ}$ C to + 80 $^{\circ}$ C

3. Dimensions



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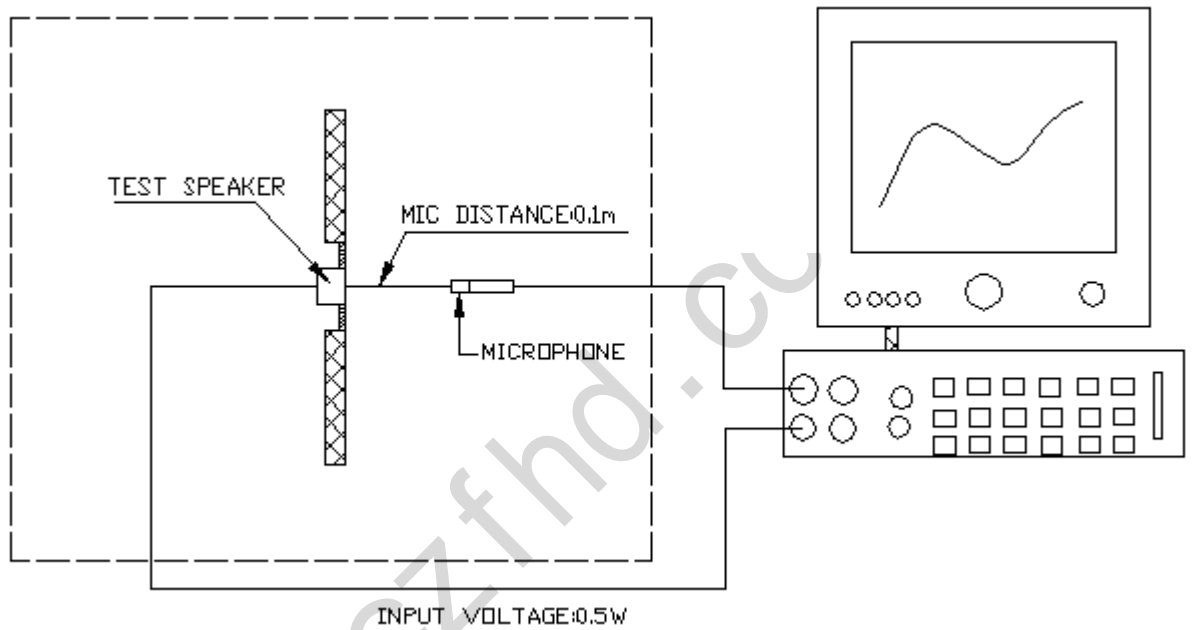
4. Reliability Test 可靠性測試

4.1	High Temperature Test	High Temperature: +80°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: 1.5mm or acceleration : 50m/s ² Duration : 2h per axis=10cycles ; 3 axis
4.5	Temperature Cycle Test	Temperature: -40°C ↔ +80°C Duration : 2 hours 2 hours Cycle: 5 Cycle
4.6	Drop Test (under the unit)	Height: 1.0m Cycle: 10 Cycles
4.7	Load Test	Noise: White noise Power: 0.5W 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

