



**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.: F007-18G1003

MODEL No.: FHDSP36A-001

OUR PART No.: 613-3649-01

CUSTOMER PART No.: FESG-00336-A0

CUSTOMER	APPROVED	CHECKED

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

江苏省常州市天宁区郑陆镇工业大道2号

Tel: +86-519-83822009

Fax: +86-519-88739926

Email: sales@czfhd.com; <http://www.czfhd.com>

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		Des.	Chk.
Model No.:	FHDSP36A-001	P/N:613-3649-01	

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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			8/18/2021

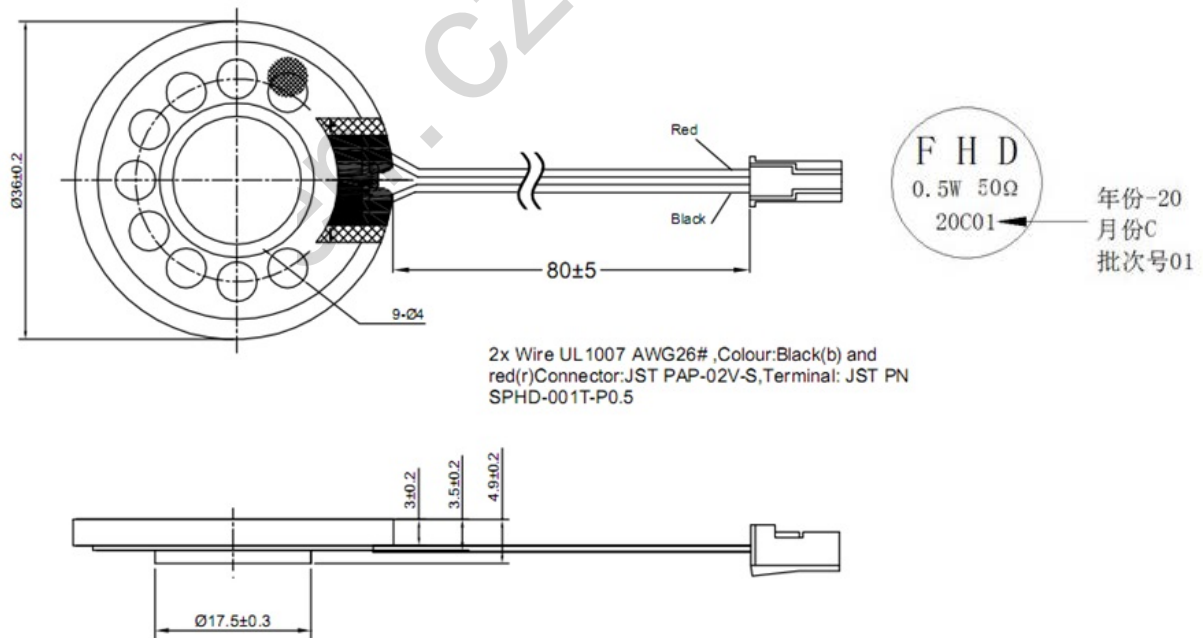
2.SPECIFICATION

Speaker

1	Dimension	Φ36*H4.9
2	Impedance	50Ohm ± 15% at 1KHz.
3	Rated Input Power	0.5W
4	Max Input Power	1.0W
5	Lowest Resonance Frequency	600±25%Hz @ 1V. (Without Baffler)
6	Buzz Sound	The input power shall be set at rated noise power(0.5W). Using an audio oscillator sweep from F0 to 5000HZ in free air. There shall be no buzzes, rattles, nor spurious noises.
7	Sound Pressure Level	87 ± 3dB SPL(0.5m 1.0w) at,1KHz in average
8	Distortion	The total harmonic distortions (THD) at an input level of 0.1 Watt shall be below the following limits.
9	Operating Temperature	-40℃ ~ +85℃
10	Store Temperature	-40℃ ~ +85℃

3. Dimensions

Unit: mm



*Unit: mm; Tolerance: ± 0.5 mm Except Specified

Grade: Automotive grade

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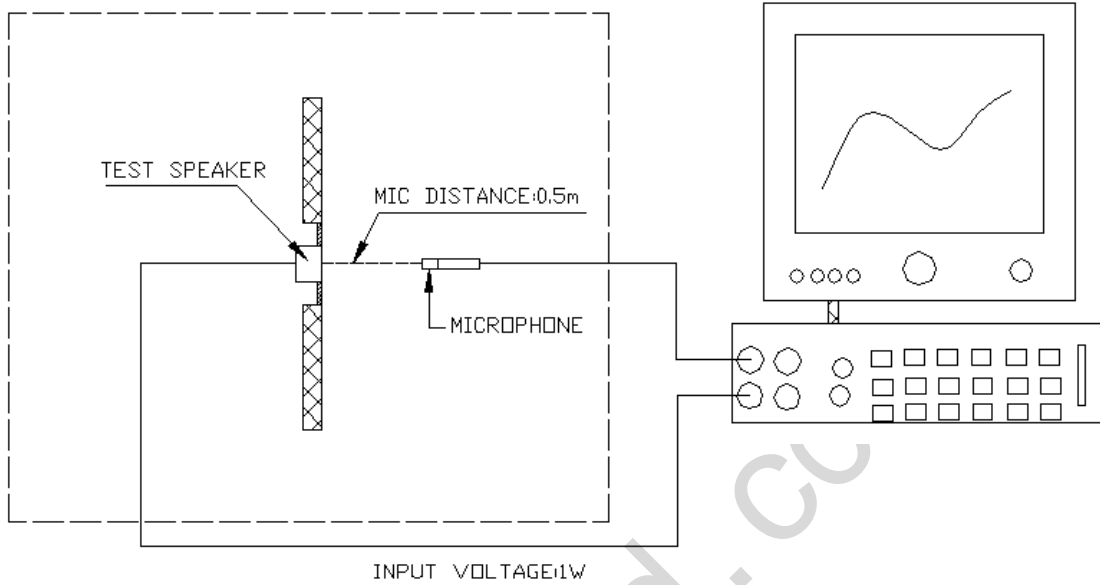
4. Reliability Test 可靠性測試

3.1	High Temperature Test	High Temperature: +60°C±5°C Duration : 96 hours
3.2	Low Temperature Test	Low Temperature: -40°C±5°C Duration : 96 hours
3.3	Humidity Test	Temperature: +40°C±5°C Relative humidity: 90%~96% RH Duration : 96 hours
3.4	Vibration Test	Vibration: 10Hz~500Hz Amplitude: 0.35mm or acceleration : 50m/s ² Duration : 2h per axis=10 cycles ; 3 axis
3.5	Temperature Cycle Test	Temperature: -40°C ↔ +85°C Duration : 2 min 2 min Cycle: 100 Cycle
3.6	Drop Test (under the unit)	Height: 1.0m Cycle: 10 Cycles
3.7	Load Test	Noise: White noise Power: 0.5W Duration: 96 hours and satisfy the test listed on item 05,08,14.

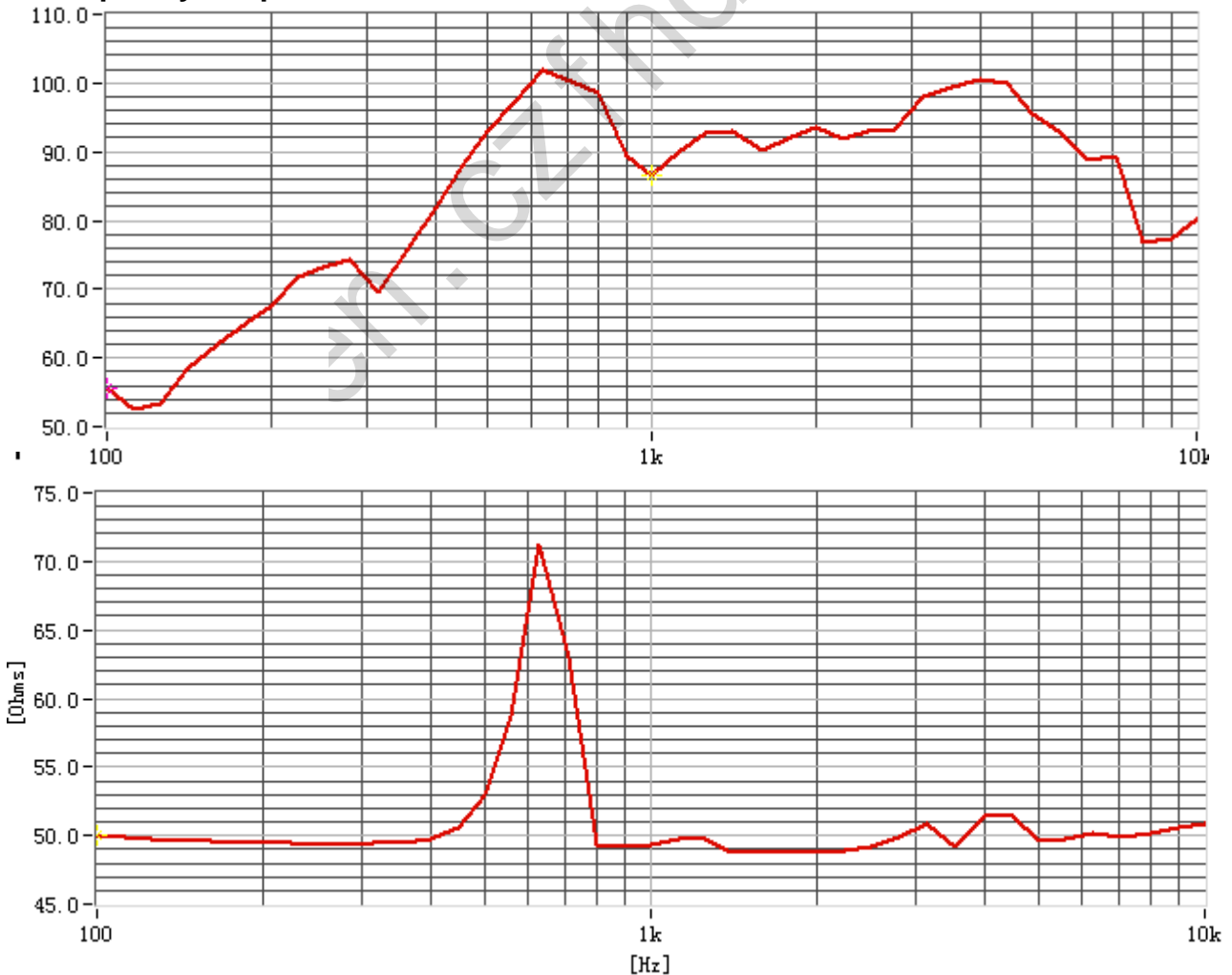
All these tests above should be measured after leaving normal temperature for 1hrs.
Sensitivity difference at 1kHz shall be within ±3dB from initial value after test

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5.MEASURING CIRCUIT & TOOLS



6. Frequency Response



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7. PACKAGING

