

APPROVAL SHEET



FHD ELECTRONICS CORPORATION

CUSTOMER NAME : _____
COMMODITY : CONE SPEAKER
FHD PART NO. : CS2027K074-8C10H
CUSTOMER PART NO. : _____

Approved by	Y. J.	Prepared by	HY Shen
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Customer Approval			
Approved		Rejected	

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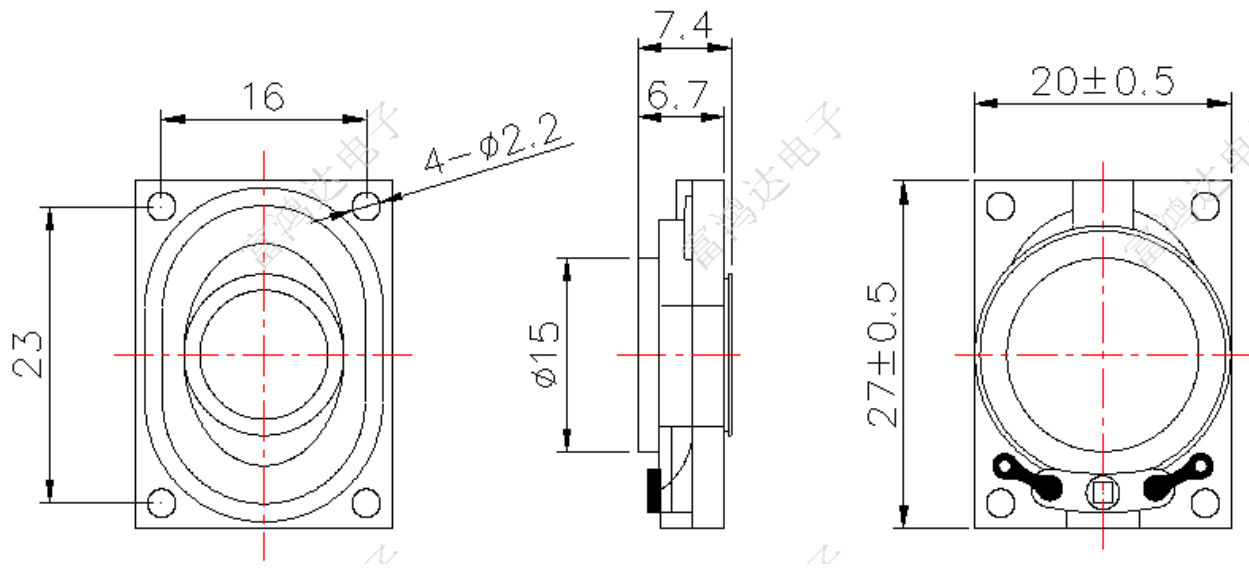
A. PART NO.: CS2027K074-8C10H

B. SPECIFICATION

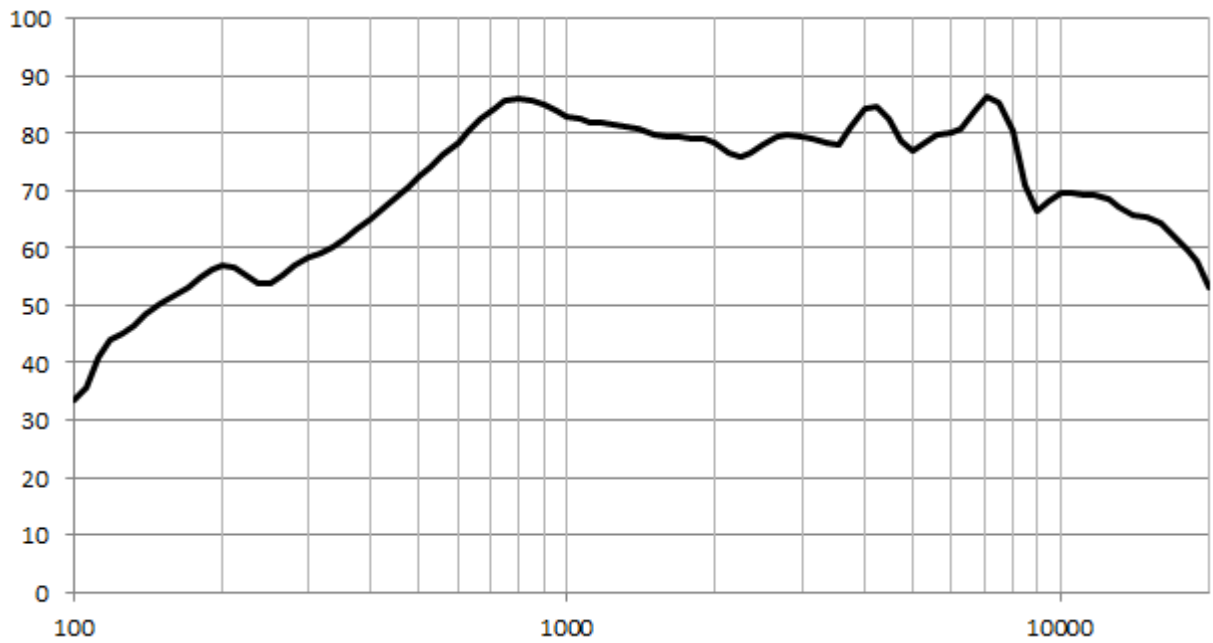
Test condition: Temperature: 15~35°C Related Humidity:25~75% (GB/T9396-1966)

No.	Item	Specification	Condition
1	Dimension	27*20*H7.4mm	
2	Nom. Impedance	8 ± 20% Ω	At 1.2KHz, 1.0Vrms
3	Resonant Frequency	750Hz ± 20%	At 1.0V without baffler
4	Output Sound Pressure Level S.P.L.	82 ± 3db	At 1.0W/0.5M Average at 0.8, 1, 1.2, 1.5KHz (0dB SPL=20uPa)
5	Frequency Range	F0~20000Hz	
6	Power Rating	Normal: 1.0 Watts Maximum: 2.5 Watts	Sine Wave
7	Distortion	Not exceed 5%	
8	Magnet	NdFeb	
9	Operating Temperature	-20°C ~ +60°C	
10	Storage Temperature	-30°C ~ +70°C	
11	Buzzes & Rattles	The input power shall be set at rated noise power(1.0W). Using an audio oscillator sweep from F0 to 10KHZ in free air. There shall be no buzzes, rattles, nor spurious noises.	
12	Polarity	When positive voltage is applied to the terminal market (+), diaphragm should be move to the front.	
13	Net Weight	g	

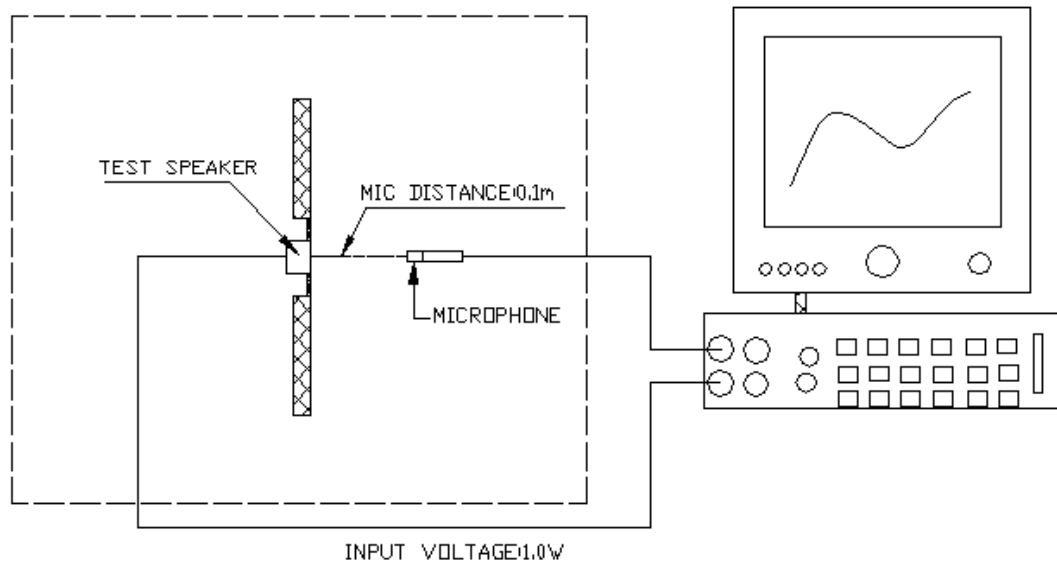
C. DRAWING



D. FREQUENCY RESPONSE CURVE



E. ELECTRICAL AND ACOUSTICAL MEASURING CONDITION



F. RELIABILITY TEST

1	High Temperature Test	High Temperature: $+70^{\circ}\text{C} \pm 5^{\circ}\text{C}$ Duration : 96 hours
2	Low Temperature Test	Low Temperature: $-30^{\circ}\text{C} \pm 5^{\circ}\text{C}$ Duration : 96 hours
3	Humidity Test	Temperature: $+40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ Relative humidity: 90%~95% RH Duration : 96 hours
4	Vibration Test	Vibration: 10Hz~55Hz Amplitude: 1.5mm or acceleration : 50m/s ² Duration : 2h per axis=10cycles ; 3 axis
5	Temperature Cycle Test	Temperature: $-30^{\circ}\text{C} \longleftrightarrow +70^{\circ}\text{C}$ Duration : 2hours 2hours Cycle: 5 Cycles
6	Drop Test (under the unit)	Height: 1.0m (75°斜坡) Cycle: 6 Cycles

7	Load Test	Noise: Power: Duration:	White noise 1.0W 96 hours
8	Waterproof Grade	/	

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 $\pm 3\text{dB}$.

G. PACKING INFORMATION (TBD)