Model No.	YDSB-3211-8R1W-2P1			Page No.	1 / 5

1. Scope

This specification covers our product of miniature speaker unit for multimedia product.

2. Test condition

The test conditions unless otherwise specified should be normal temperature 5 to 35℃,Normal humidity 45 to 85% and normal atmospheric pressure 860 to 1060 hPa,However,if there arises a doubt in judgment,the test conditions shall beas follows:

Temperature 20 ±2℃

Humidity 60%~70%

Atmosphere 860~1060 hPa

3.ELECTRO-ACOUSTIC CHARACTERISTICS

3.1 Rated Impedance:

8.0Ω ± 20% (AT 1.6K Hz ,1.0 Vrms)

3.2 Rated Input Power

1.0 Watt (At 2.83 Vrms white noise 96 Hours)

3.3 Max. Input Power

1.2 Watt

3.4 Resonant Frequency

1000 Hz ± 20%

3.5 Output S.P.L

96 ± 3dB (0.1 Watt , 0.1 Meter. Average at 0.8K,1.0K,1.5K,2.0K Hz)

3.6 Frequency Range

Fo ~ 20KHz (By Output S.P.L. –10dB)

3.7 Distortion

Less than 5% (At 1.6KHz , 0.89 Vrms)

3.8 Operating Temperature

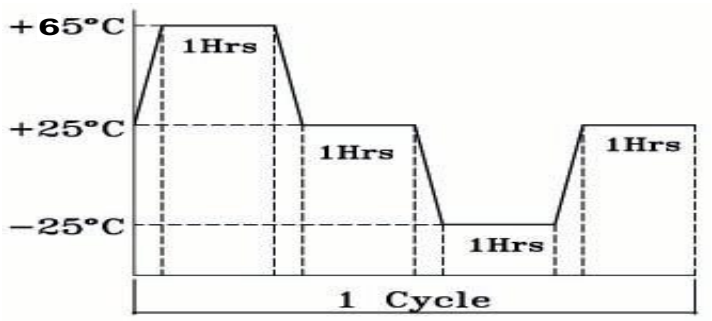
-25℃ ~ +65℃

3. 9 Storage temperature

-25℃ ~ +65℃

4. Reliability Test

4.1 Temperature Cycling Test



A	Low Temperature (-25℃±3℃)
B	High Temperature (+65℃±3℃)
C	Number of Cycle (3 Cycles)
D	Duration of Exposure 1 Hours, at Each Temperature Extremes
E	Duration of Recovery 1 Hours

4.2 Humidity Test

A	Relative Humidity	90-95% at + 40℃ ± 3℃
B	Durations	96 Hours
C	Durations of recovery	6 Hours

4.3 Load Test

White Noise Without Weighted Filter 2.83 Volts.(RMS) 100 Hrs.

4.4 Drop Test

75 cm Free Falling On Concrete Floor, 10 Times.

4.5 Buzzes & Rattles

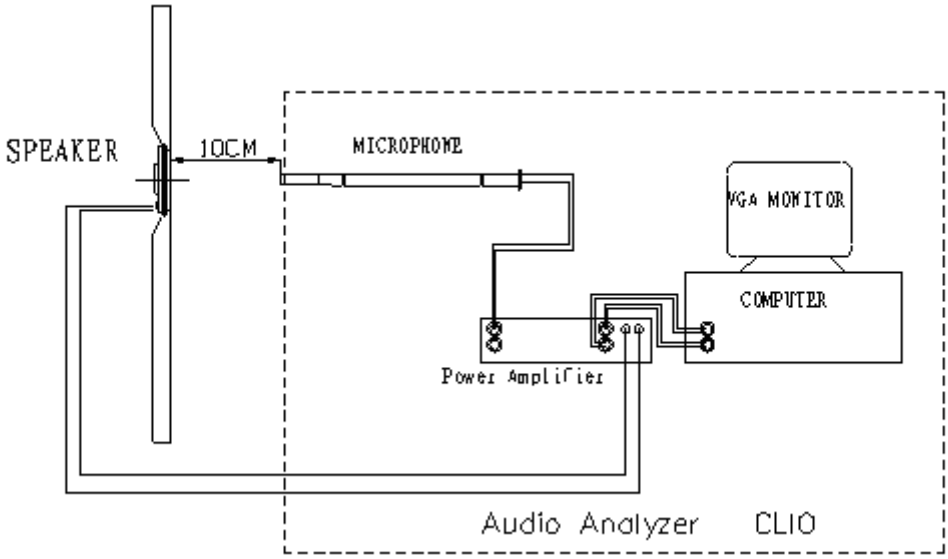
Sine wave between at 2.2 Vrms /200~5000Hz

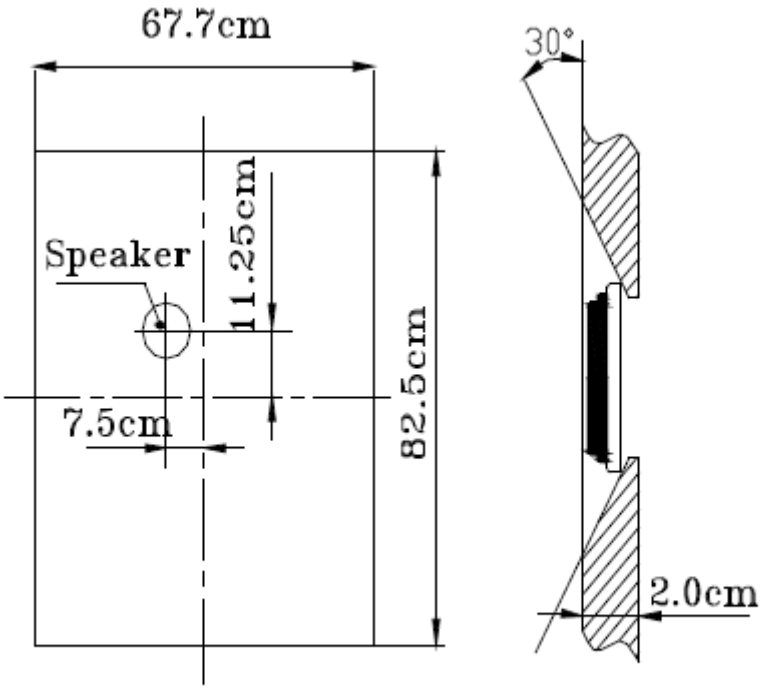
4.6 Polarity test

Diaphragm Shall Move Forward When Apply a Positive DC. Current to the “+”or “Marked” Terminal.

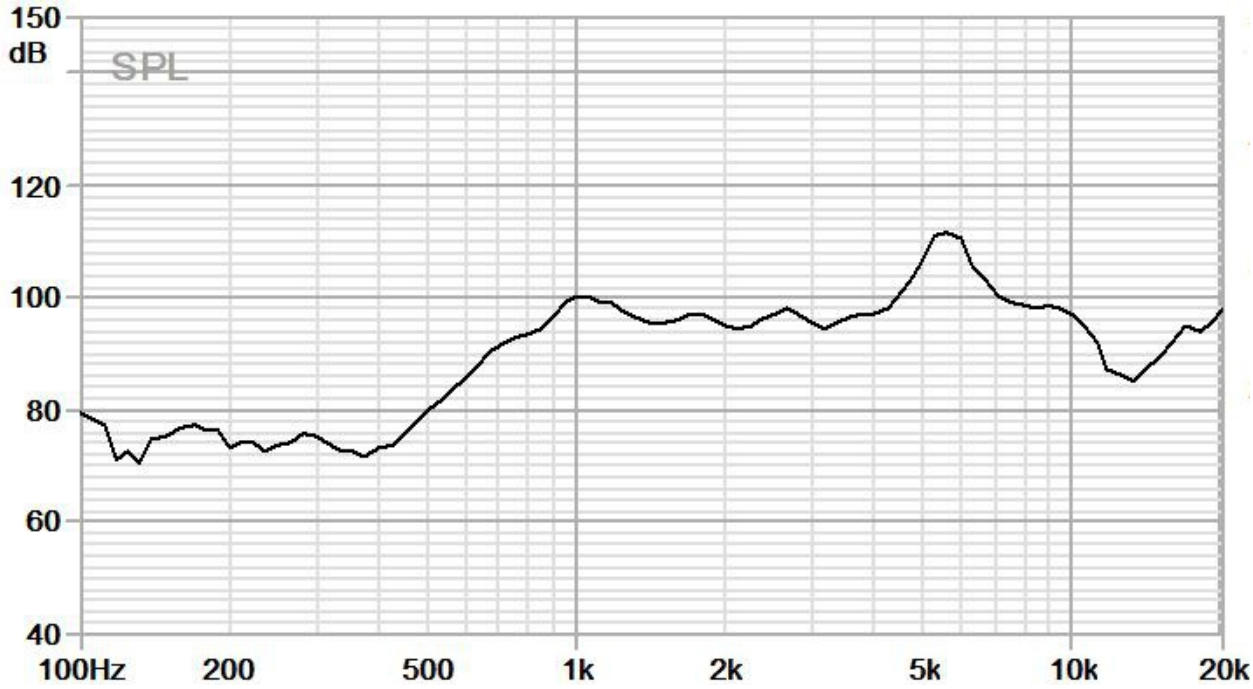
.

5 Measurement Method

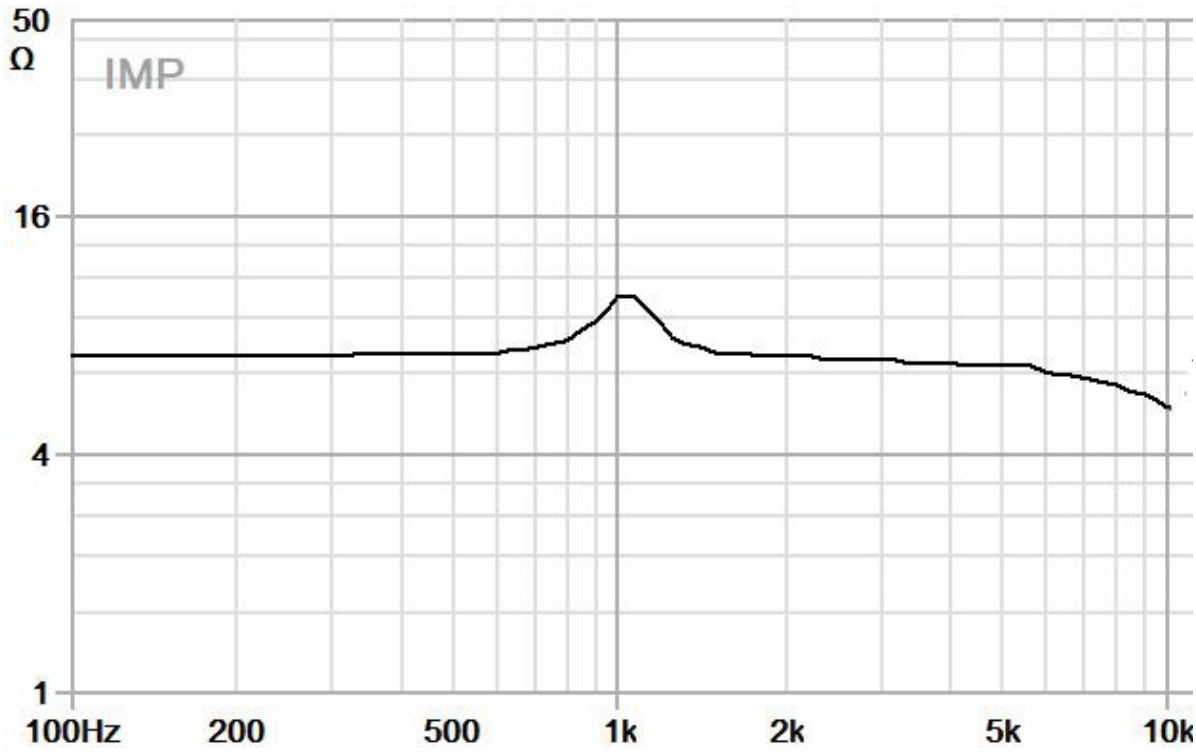




6. Frequency Response Curve



7. Impedance Curve



Model No.	YDSB-3211-8R1W-2P1.25		Page No.	5 / 5

8. Unit:mm tolerance: ±0.3