

	SPECIFICATION FOR DYNAMIC SPEAKER		
	TOTAL PAGE	06	www.be-star.com RoHS

Customer		Model Name	BLS1425-11-08H5.2 LF
Customer P/N		Product No.	127811
Date	23 Feb .06	Issue No.	BS/TES01.1164A
Page	01 of 06	Issue Date	06/02/23

Approval:

- 1.Description
- 2.Characteristics
- 3.Drawing
- 4.Reliability Test
- 5.Packing
- 6.History Change Record

Drawn by	Checked by	Approved by	Customer approved

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BLS1425-11-08H5.2 LF

1. Description

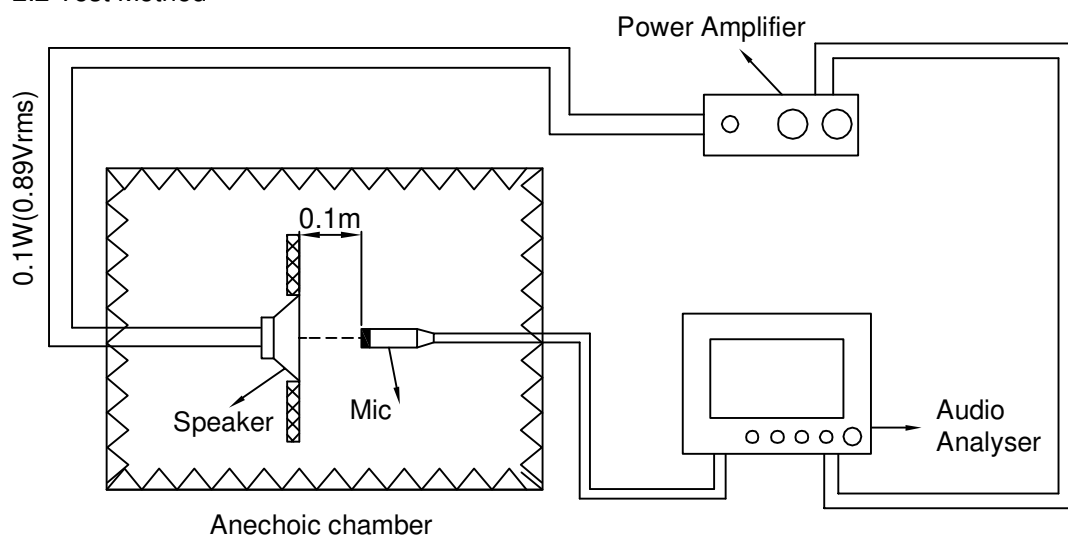
- 1.1 Acoustic component Performance Specification
- 1.2 The present document specifies performance requirements for the acoustic characteristics of speaker

2. Characteristics

2.1 Electrical and Mechanical Characteristics

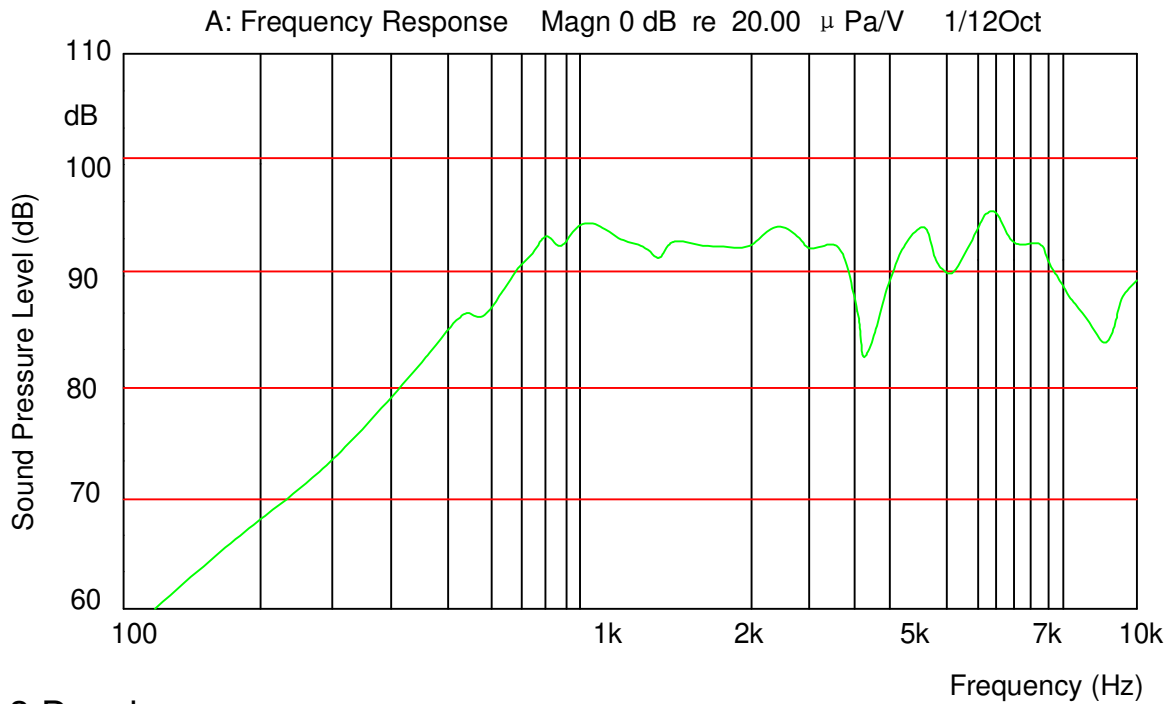
No.	Item	Specification
1.	Dimension	14 x 25 x 5.2(mm)
2.	AC Impedance	$8\Omega \pm 15\%$ at 1.0KHz
3.	Rated Input Power	1.0W
4.	Maximum Input Power	1.5W
5.	Resonance Frequency	1100Hz $\pm 20\%$
6.	Frequency Response	F0~ 20KHz
7.	S.P.L	90 ± 3 dB/0.1W /0.1m at 0.8,1.0,1.2,1.5KHz average
8.	T.H.D	$\leq 5\%$ at 1.0W/1KHz
9.	Magnet	$\varnothing 7.8 \times 1.5$ mm
10.	Buzzes & Rattles	Must be normal at sine wave 2.83Vrms
11.	Polarity	Positive voltage to (+),Diaphragm moves forward
12.	Operating Temperature	-30~+ 70°C
13.	Storage Temperature	-40~+ 85°C

2.2 Test Method



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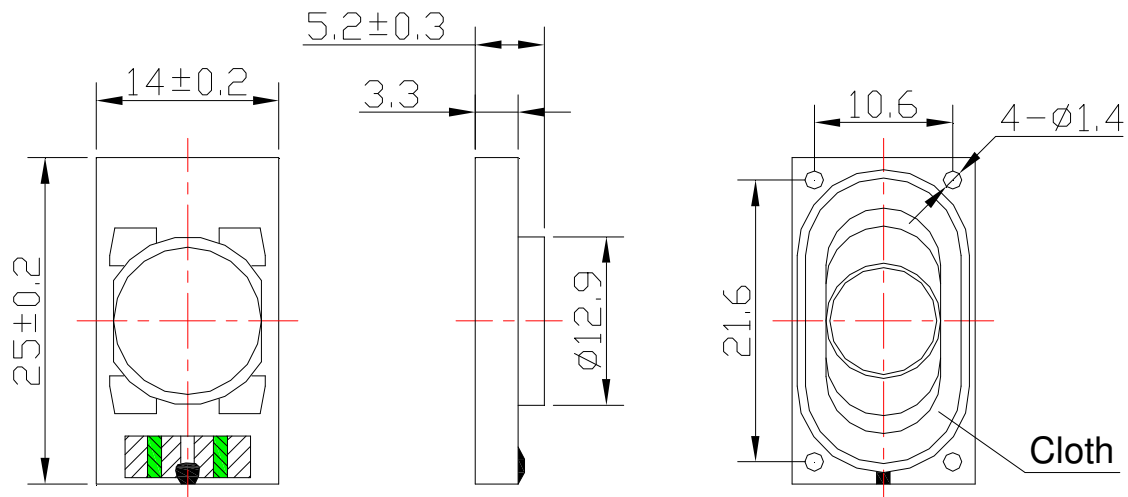
2.3 Frequency Response Curve (only for reference)



3.Drawing

unit:mm

tolerance:±0.2



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A	06/02/23	王文邦		Checked by:	王平	Speaker	
Rev.	Date	Drawn	Note	Approved by:	李红元		
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4. Reliability Test

4.1 Load Test

Power (Nom)

1.0W(white noise)

Duration

96hrs

4.2 High Temperature Test

Temperature

 $+85\pm 2^{\circ}\text{C}$

Duration

96hrs

4.3 Low Temperature Test

Temperature

 $-40\pm 2^{\circ}\text{C}$

Duration

96hrs

4.4 Damp Heat

Temperature

 $40\pm 2^{\circ}\text{C}$

Relative Humidity

90%-95%RH

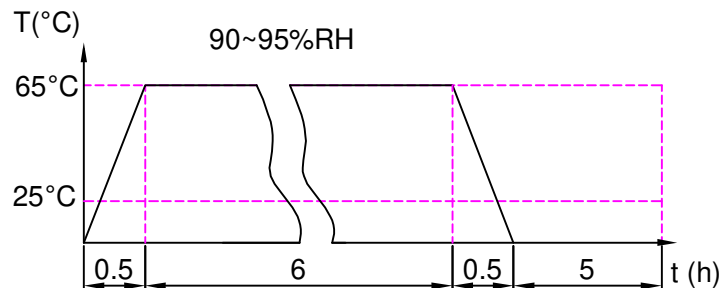
Duration

24hrs

4.5 Temperature Cycle Test

Cycles

5



4.6 Drop Test

Height

1.0m

Drop face

thick board (20mm)

Times

10

4.7 Terminal Strength Test

Capable of withstand 1kg load for 30 seconds without resulting in any damage or rejection

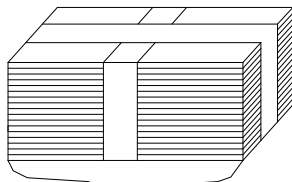
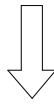
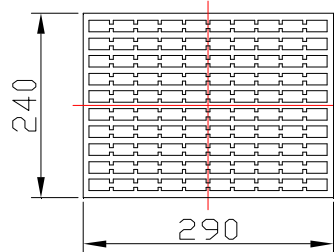
Notice:

1. All these tests above should be measured after leaving normal temperature for 2hrs.
2. Sensitivity difference at 0.8-1.5KHz shall be within $\pm 3\text{dB}$ from initial value after test.

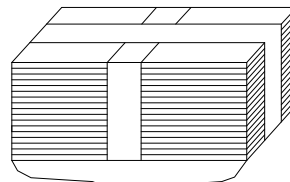
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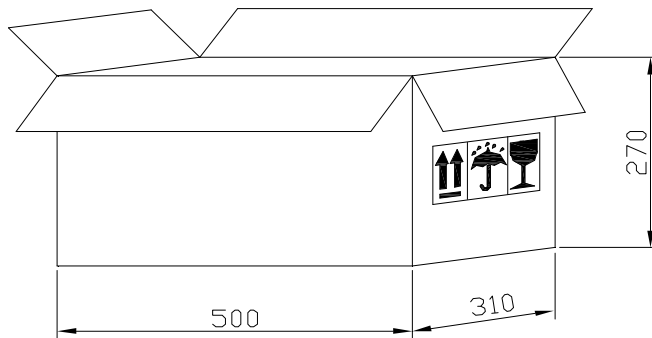
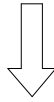
5. Packing



2000pcs



2000pcs



Remark:
100 pcs per tray
20 trays for unit
2 unit per carton
1 carton per box
Total 4000pcs per box
Size: 50 × 31 × 27(cm)

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6. History Change Record

[illegible]

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