SPECIFICATION
FOR DYNAMIC SPEAKER

TOTAL PAGE	08	www.be-star.com	RoHS

Customer		Model Name	BMS40-12B-08H5.0 LF
Customer P/N		Product No.	132811
Date	06 Mar. 2013	Issue No.	BS/TES01.1036A
Page	01 of 08	Issue Date	2013.03.06

Approval：

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

Drawn by	Checked by	Approved by	Customer approved
莫丽丽	徐文斌	王 平	

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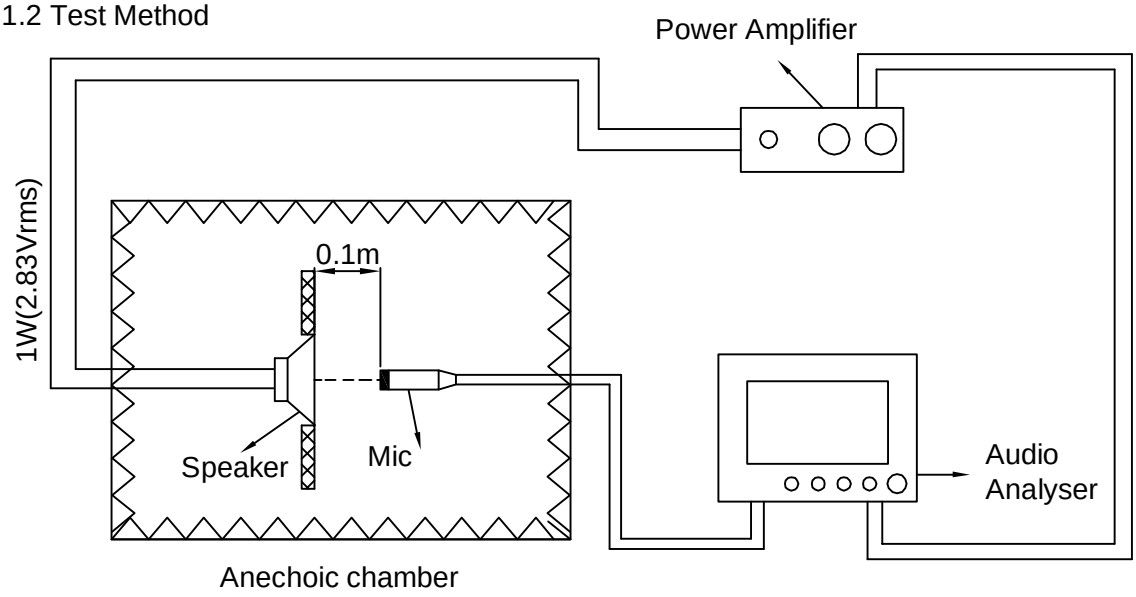
BMS40-12B-08H5.0 LF

1.Characteristics

1.1 Electrical and Mechanical Characteristics

No.	Item	Specifications
1.	Size	Ø40*5mm
2.	Impedance at 1.0KHz/1V	8±1.2Ω
3.	Lowest Resonance frequency	500±100Hz
4.	Effective frequency range	fo...5000Hz
5.	Rated input power	1w
6.	Maximum input power	1.5w
7.	Buzz & Rattle(at sine wave2.83V)	must be normal
8.	SPL(1W,1m) at 1K Hz	83±3dB
9	Polarity	Positive voltage to (+),
		the diaphragm move forward
10.	Frame Material	Metal
11.	Weight	9.5g
12.	Operating temperature	-20...+60°C
13.	Storage temperature	-20...+60°C

1.2 Test Method



				Date:	2013.03.06	BMS40-12B-08H5.0 LF
				Drawn by:	莫丽丽	
A	2013.03.06	莫丽丽		Checked by:	徐文斌	Speaker
Rev.	Date	Drawn	Note	Approved by:	王 平	
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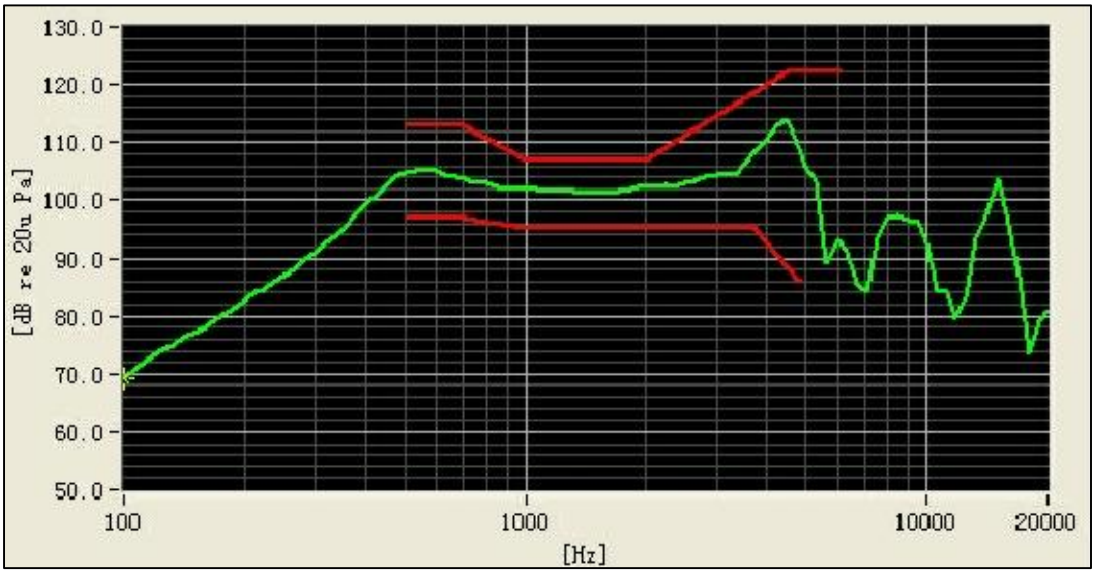
1.3 Frequency Response Curve

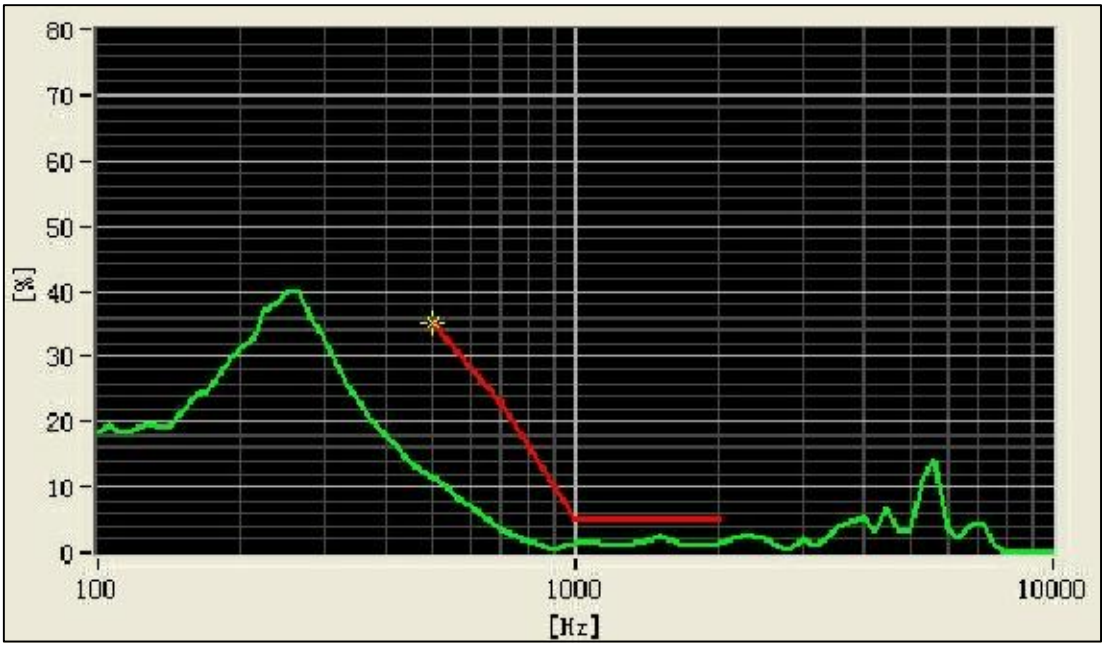
A: Frequency Response Magn 0 dB re 20.00 μ Pa/V 1/12Oct

Test condition:0.1m/1W



1.4 Total Harmonic Distortion Curve

Test condition:0.1m/1W



				Date:	2013.03.06
				Drawn by:	莫丽丽
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Rev.	Date	Drawn	Note	Approved by:	王　平

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Speaker

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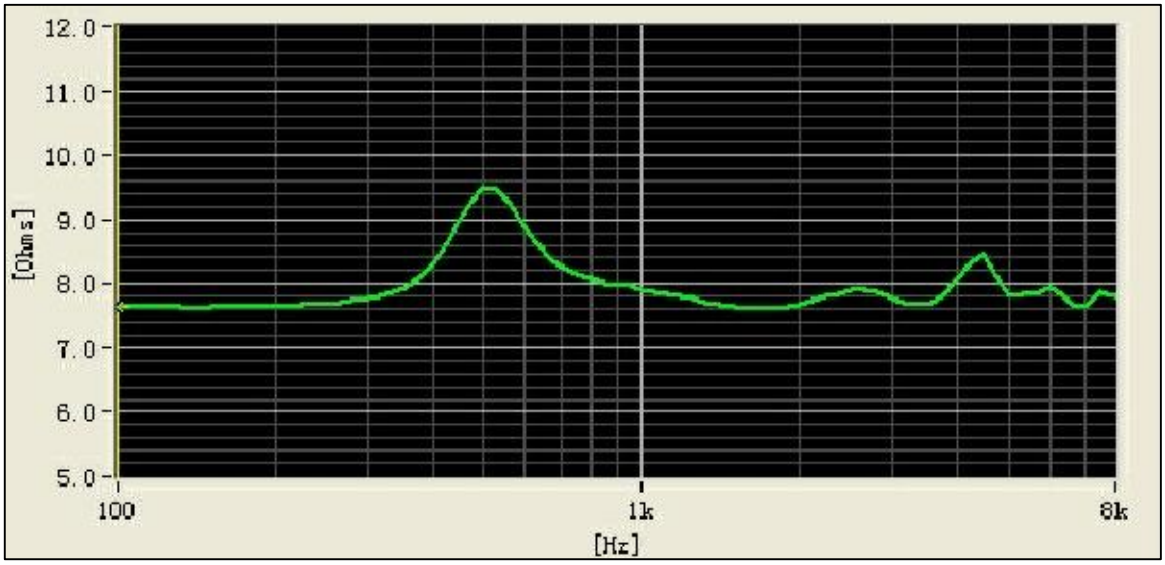
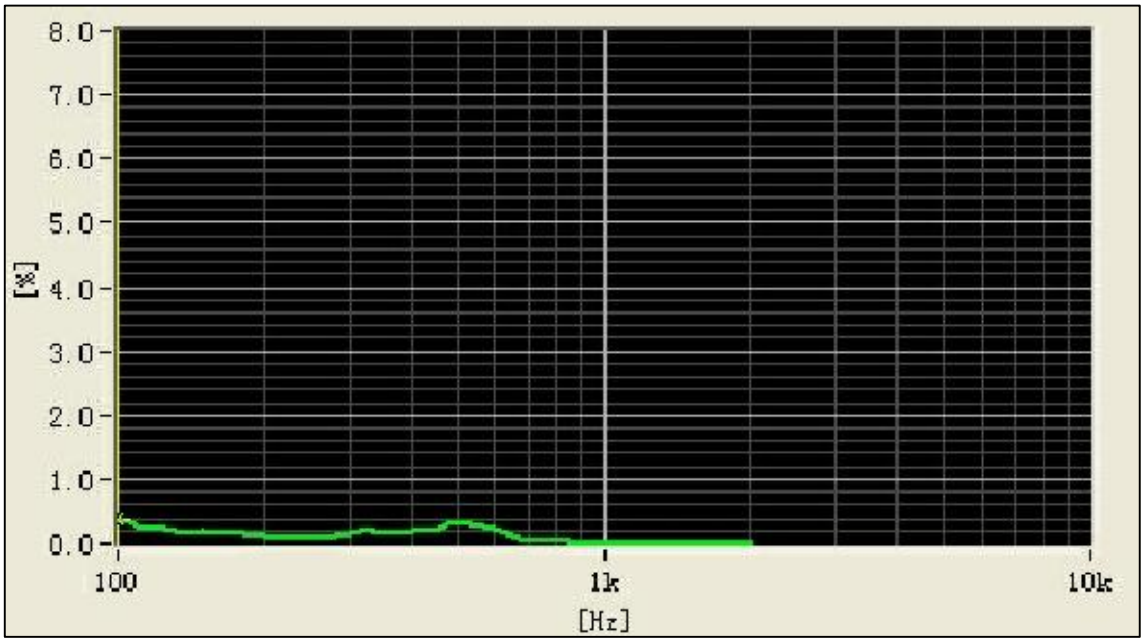
1.5 Resonance Frequency Curve

Test condition:0.1m/1W



1.6 Buzzer&Rattle Curve

Test condition:0.1m/1W



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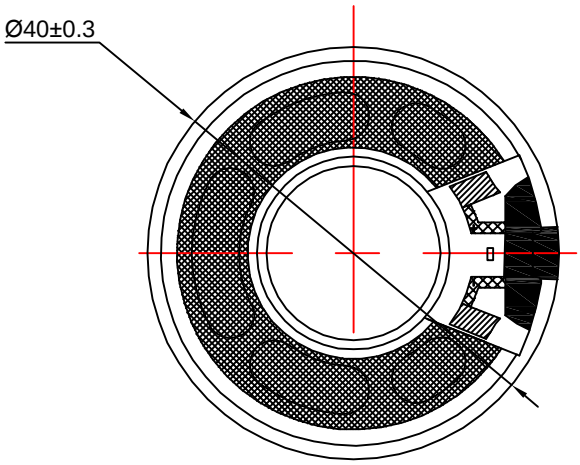
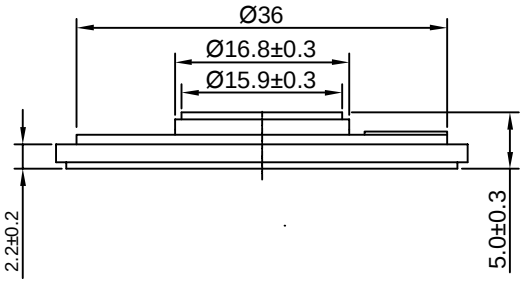
2.Drawing





unit:mm

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3. Reliability Test

3.1	Load Test	1W
	Duration	48hours
3.2	High temperature test	
	Temp.	+60±2°C
	Duration	48hrs
3.3	Low temperature test	
	Temp.	-20±3°C
	Duration	48hrs
3.4	Moisture temperature test	
	Temp.	40±2°C
	Relative humidity	90...95%RH
	Duration	48hrs
3.5	Drop Test	
	Height	100cm
	Direction	x,y&z 3 axis
	Time	6s

Dropped to 20mm thickness wooden boad contained packing

After each test of 3.2 to3.3,3.4,speakers should be measured after 2hrs exposed in normal temperature.

After each test,All specification must be satisfied in this condition.

SPL:deviation is ±2dB of initial values

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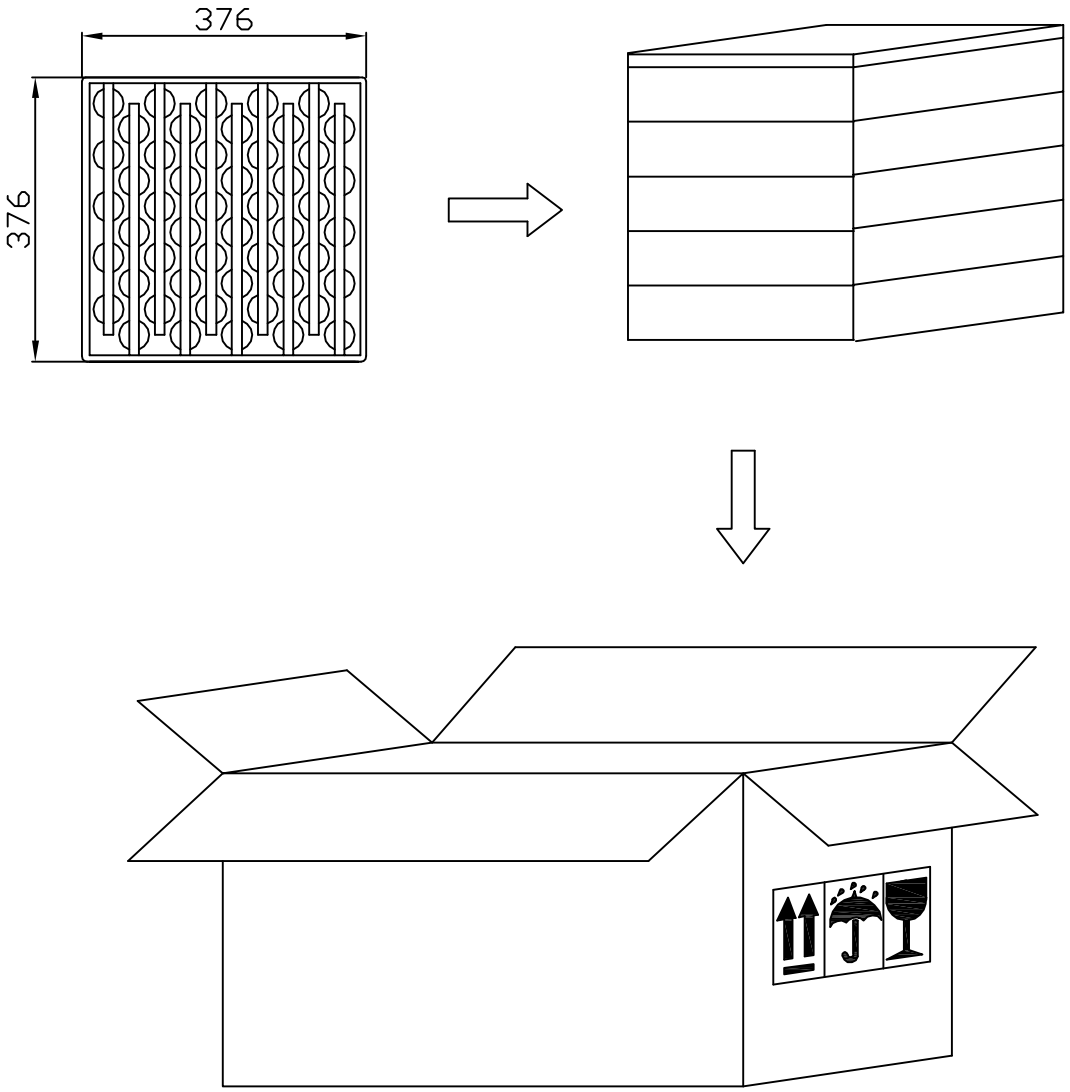
4. Packing



Remark:
50pcs per tray
14 trays per carton
Total 700pcs per carton
Size:41X41X34 cm

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BMS40-12B-08H5.0 LF

5. History Change Record

version No.	Change Items		Date	Drawn	Approved
	Before	After			
A			2013.03.06	莫丽丽	王 平