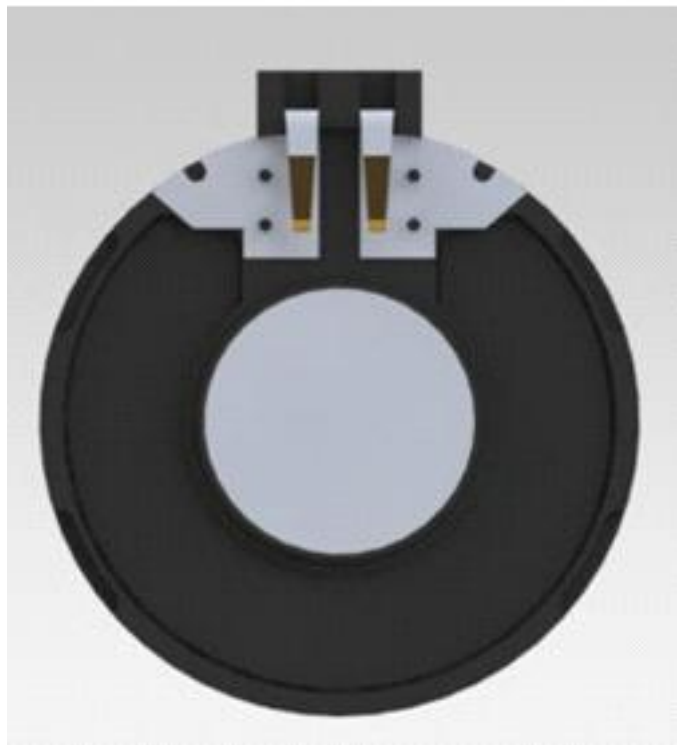
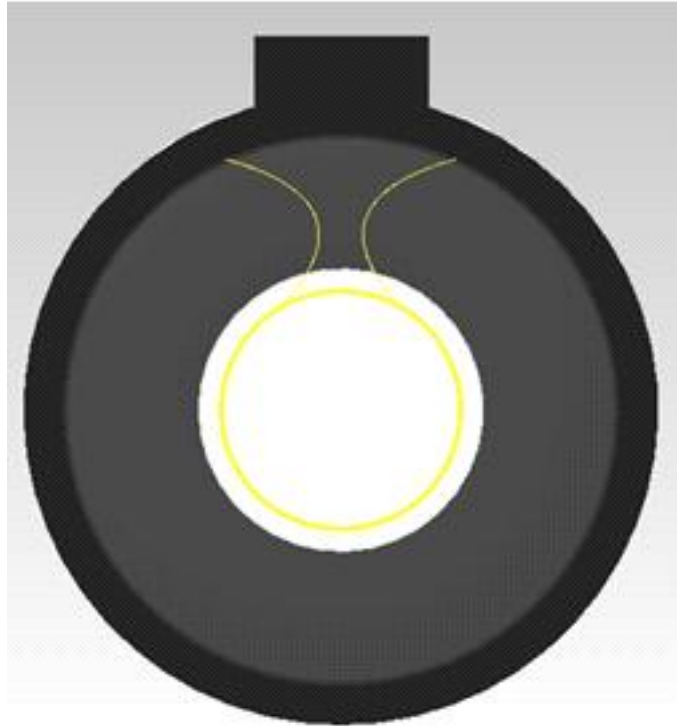


SPECIFICATION

BMS36-11-08H5.1S-02 LF



BeStar



SPECIFICATION FOR AUTOMOTIVE SPEAKER

TOTAL PAGE

09

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RoHS

Customer		Model Name	BMS36-11-08H5.1S-02 LF
Customer P/N	SO3608F-02A	Product No.	132321
Date	13 Aug. 2014	Issue No.	BS/TES01.1444A
Page	01 of 09	Issue Date	2014/08/13

Approval:

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

Drawn by	Checked by	Approved by	Customer approved
王冬琴	莫丽丽	徐金国	

BESTAR HOLDING CO.,LTD

No.199 HuangHe West Road,New district,ChangZhou,JiangSu Province,P.R.China

Tel: +86 519 88222567 **Fax:** +86 519 88222551**E-mail:**wu@be-star.com **<http://www.bestargroups.com>**

BMS36-11-08H5.1S-02 LF

1.Description

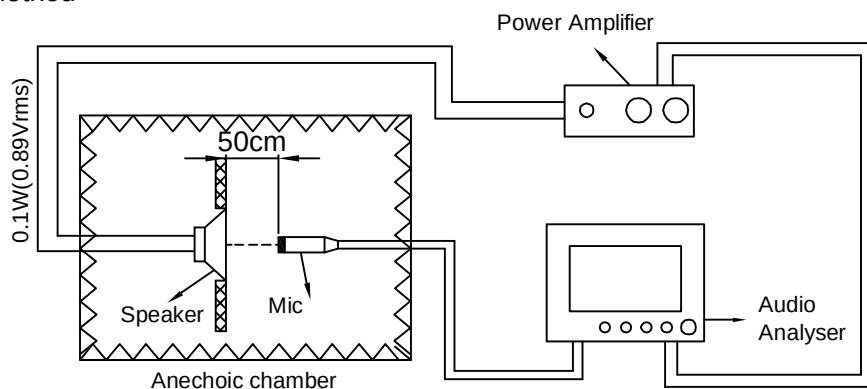
- 1.1 Acoustic component Performance Specification
- 1.2 The present document specifies performance requirements for the acoustic characteristics of speaker

2.Characteristics

2.1 Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Dimension	Ø36 x 5.1(mm)
2.	AC Impedance	8Ω±15%(at 1KHz)
3.	Rated Input Power	1W(2.83Vrms)
4.	Maximum Input Power	1.5W(3.5Vrms)
5.	Resonance Frequency	550Hz ±20%
6.	Frequency Response	F0~17KHz
7.	S.P.L	76±3dB/0.1W/0.5m/at1KHz
8.	THD	≤5% (at 1KHz/0.1W)
9.	Buzzes & Rattles	Must be normal at sine wave 2.83 Vrms
10.	Polarity	Positive voltage to (+),Diaphragm moves forward
11.	Operating Temperature	-40~+85°C
12.	Storage Temperature	-40~+85°C
13.	Weight	6.5g±0.2g
14.	FIT	1054 v.s. 60% CL

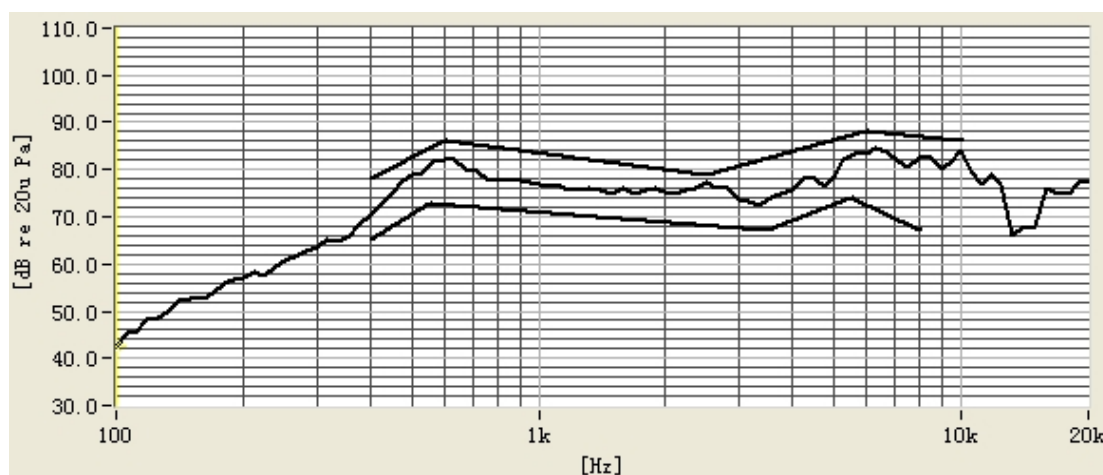
2.2 Test Method



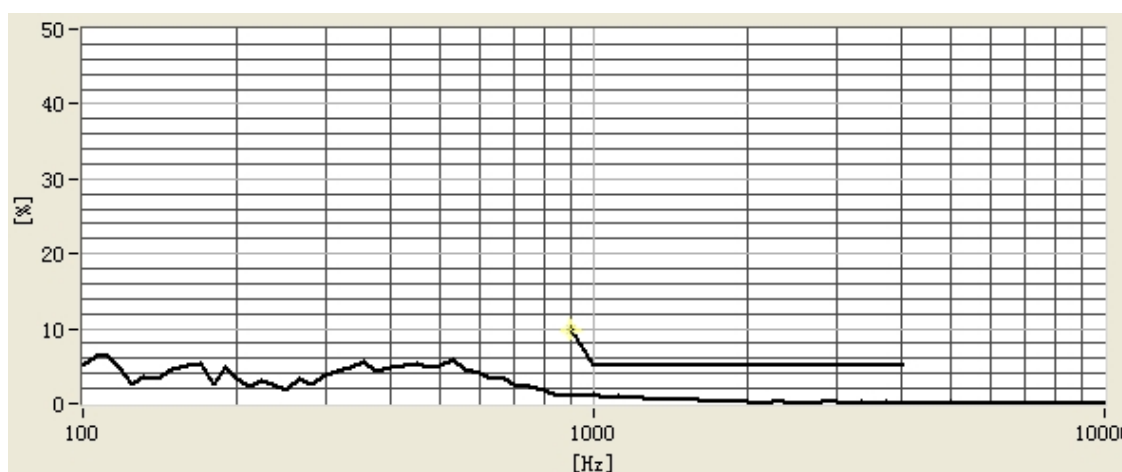
				Date:	2014/08/13	BMS36-11-08H5.1S-02 LF
				Drawn by:	王冬琴	
A	2014/08/13	王冬琴		Checked by:	莫丽丽	Speaker
Rev.	Date	Drawn	Note	Approved by:	徐金国	
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BMS36-11-08H5.1S-02 LF

2.3 Frequency Response Curve (only for reference)

A: Frequency Response Magn 0 dB re 20.00 μ Pa/V 1/24Oct

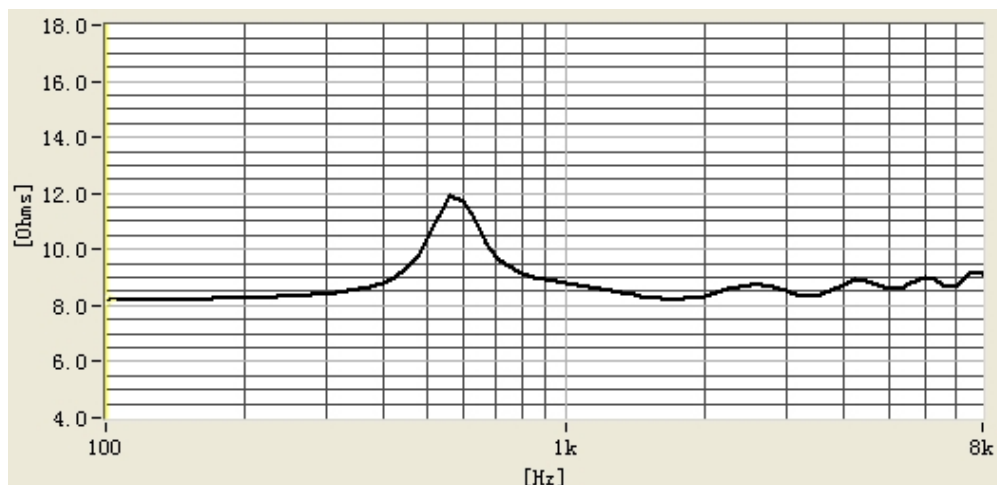
2.4 Total Harmonic Distortion Curve (only for reference)



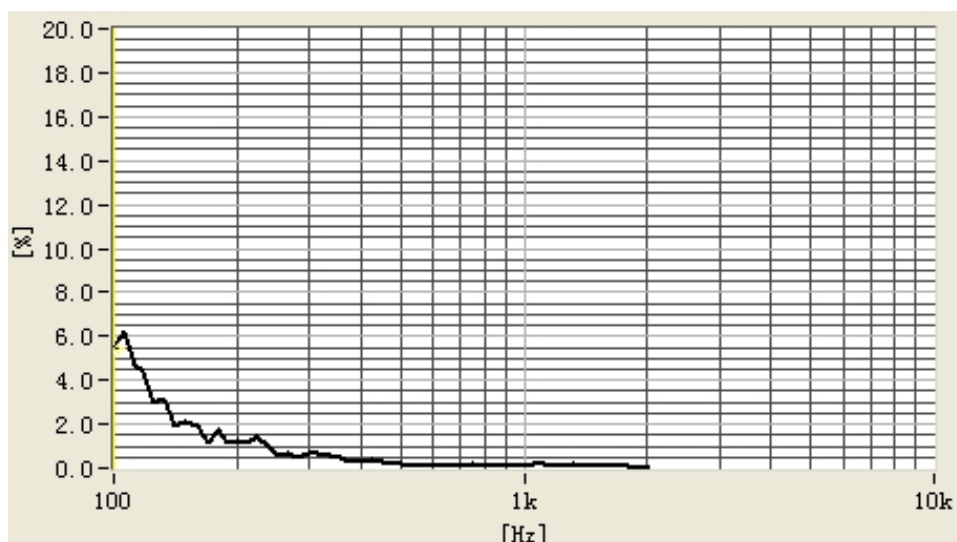
				Date:	2014/08/13	BMS36-11-08H5.1S-02 LF
				Drawn by:	王冬琴	
A	2014/08/13	王冬琴		Checked by:	莫丽丽	Speaker
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2.5 Impedance Curve (only for reference)



2.6 Buzzer&Rattle Curve(only for reference)

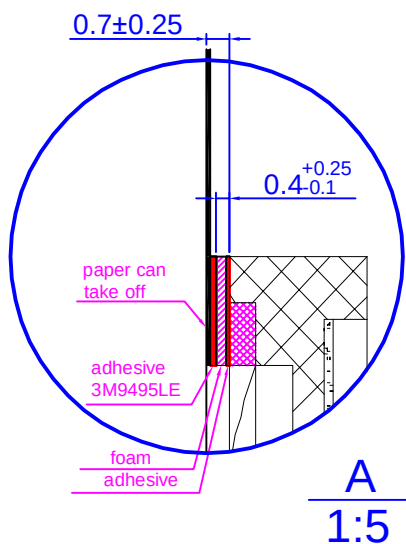
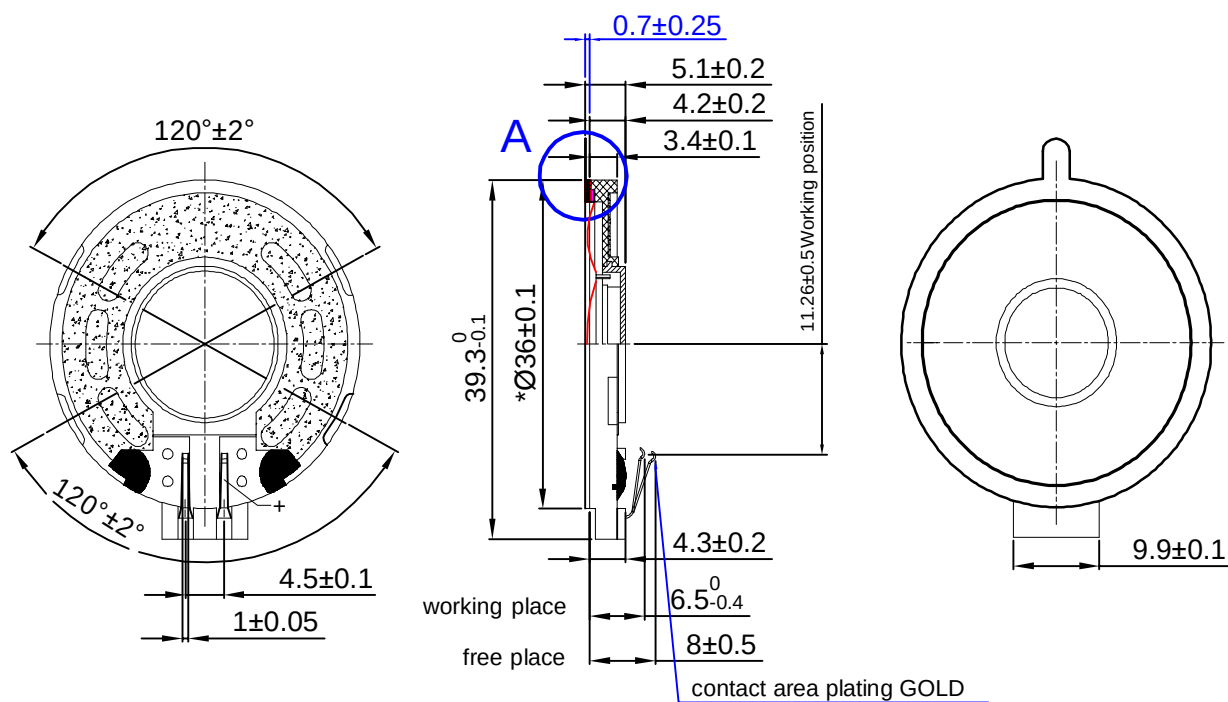


				Date:	2014/08/13	BMS36-11-08H5.1S-02 LF
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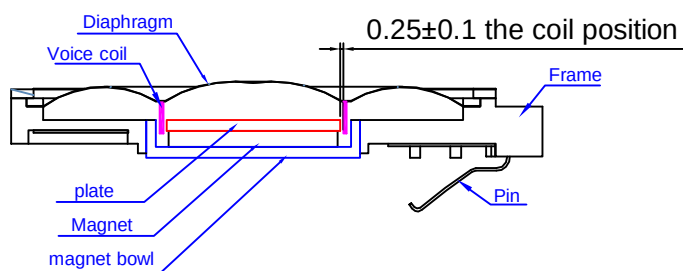
BMS36-11-08H5.1S-02 LF

3. Drawing

unit:mm
tolerance:±0.2



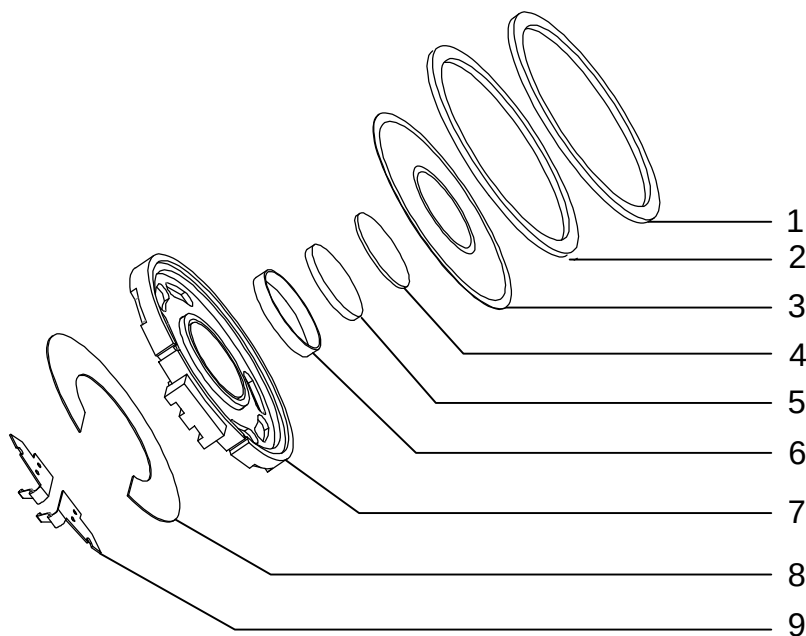
The coil position drawing :



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A	2014/08/13	王冬琴		Checked by:	莫丽丽	Speaker
Rev.	Date	Drawn	Note	Approved by:	徐金国	
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BMS36-11-08H5.1S-02 LF

4.Bill of Material



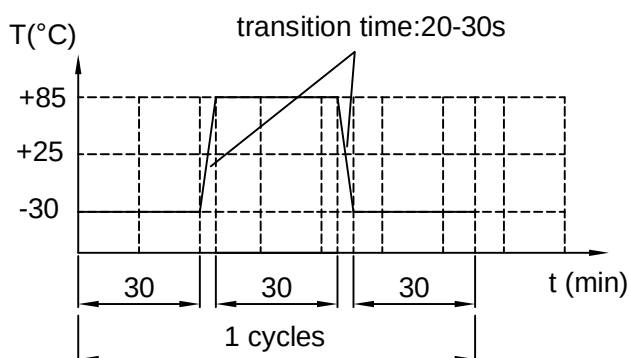
No	Parts Name	Material
1	Foam	Poron
2	Gasket	PBT+30%GF
3	Diaphragm	PEN
4	Plate	SPCC
5	Magnet	NdFeB
6	Coil	Copper
7	Frame	PBT+30%GF
8	Mesh	Cloth
9	Spring	contact area plating GOLD

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BMS36-11-08H5.1S-02 LF

5. Reliability Test

5.1 Load Test	
Power (Nom)	1W(sine wave)
Duration	200hrs
5.2 High Temperature Test	
Temperature	+85±3°C
Duration	200hrs
5.3 Low Temperature Test	
Temperature	-40±3°C
Duration	200hrs
5.4 Damp Heat	
Temperature	40±3°C
Relative Humidity	90%-95%RH
Duration	200hrs
5.5 Temperature Cycle Test	
Cycles	10



5.6 Drop Test	
Height	1.5m
Drop face	thick board (20mm)
Times	18 (three times in each durement)

Notice:

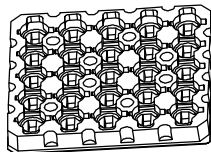
- 1.Immediately after reliability test,the samples shall be stored under climatic conditions such as normally exist in ordinary rooms or laboratories.Unless otherwise noted,the recovery period shall be 4hrs at least before performance testing.
2. After reliability test ,all samples must be meet the requirements specified
- 3.Sensitivity difference at 0.8~2.0KHz shall be within ±3dB from initial value after test.

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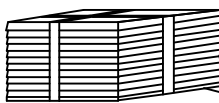
BMS36-11-08H5.1S-02 LF

6. Packing

6.1 Packing Drawing

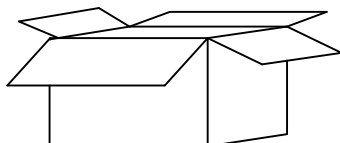


ESD packing

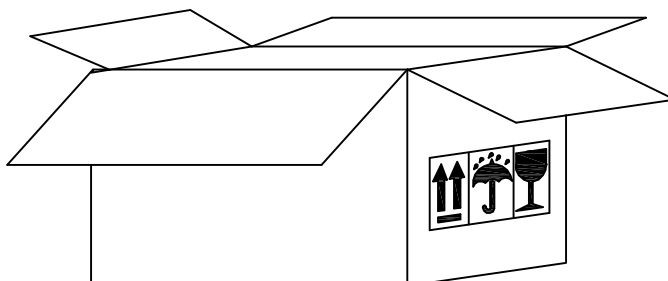


25 pcs per tray, 11 pcs trays
25x10=250pcs

pasteboard



250 pcs per carton



250x4 carton =1000pcs

6.2 packing quantity

- 1) 25pcs per tray,
- 2) 250pcs tray per carton
- 3) 4 carton per box, total: 1000pcs per box
- 4) carton size: 53X28X43cm

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7. History Change Record

[illegible]

				Date:	2014/08/13	BMS36-11-08H5.1S-02 LF	
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