



SPECIFICATION FOR AUTOMOTIVE SPEAKER

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Customer		Model Name	BMS36-11-50H5.0W80JST LF
Customer P/N		Product No.	132330
Date	31 Jul.13	Issue No.	BS/TES01.1130B
Page	01 of 08	Issue Date	2013.07.31

Approval:

- 1.Characteristic
- 2.Dimension
- 3.Reliability Test
- 4.Packing
- 5.History change record

Drawn by	Checked by	Approved by	Customer approved

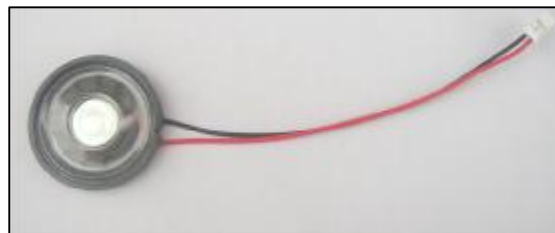
BESTAR ACOUSTICS CO.,LTD

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BMS36-11-50H5.0W80JST LF

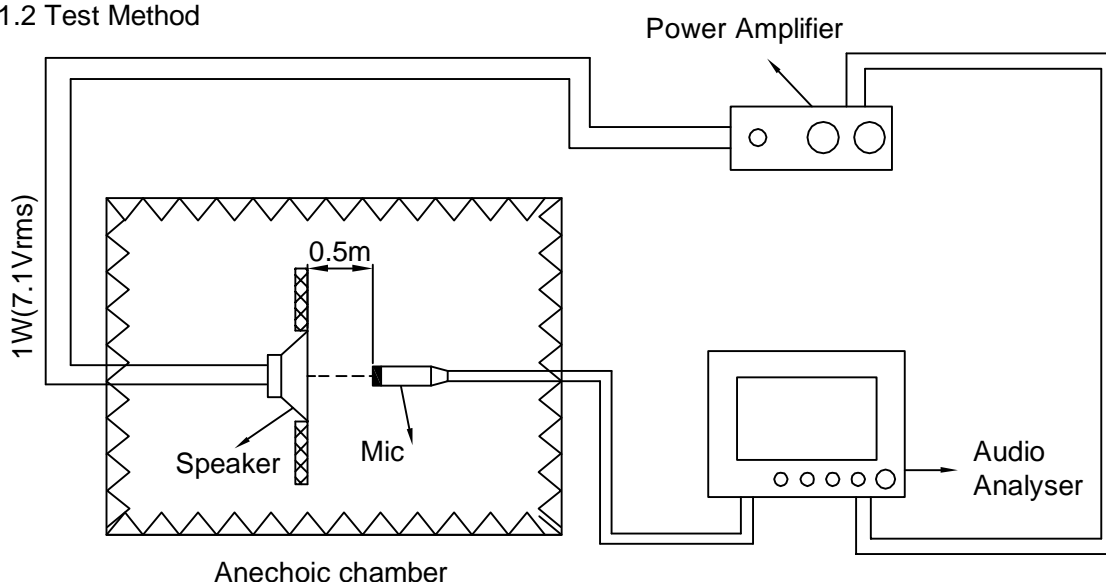


1. Characteristic

1.1 Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Rated Input Power	0.5W
2.	Maximum Input Power	1W
3.	Resonance Frequency	600 ± 150 Hz
4.	Frequency Response	f0...5000Hz
5.	Deviation	Max.20dB
6.	Magnet	NdFeB Ø 12.5X1.5mm
7.	Impedance(at 1kHz)	50 ohm ± 15%
8.	Output SPL(at 0.5m /1W)	87 ± 3dB(at 1KHz)
9.	Buzzes & Rattles	Must be normal at sine wave 5V
10.	Operating Temperature	-40...+85 °C
11.	Storage Temperature	-40...+85 °C

1.2 Test Method

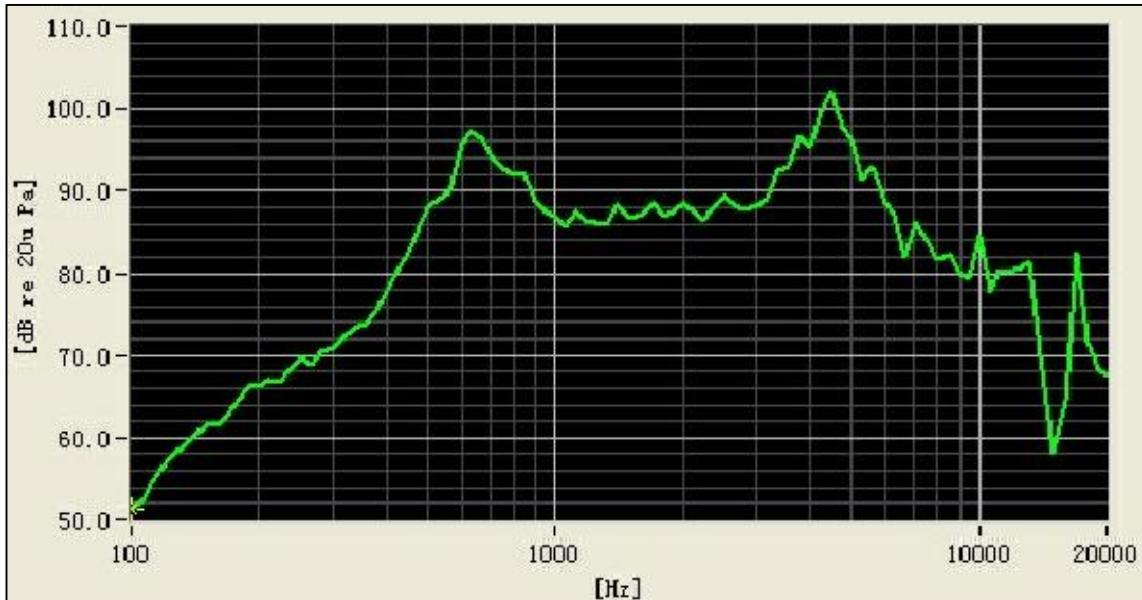


				Date:	2013.07.31	BMS36-11-50H5.0W80JST LF	
B	2013.07.31	胡兆俊		Drawn by:	胡兆俊		
A	2012.07.04	莫丽丽		Checked by:	莫丽丽	Speaker	
Rev.	Date	Drawn	Note	Approved by:	王平		
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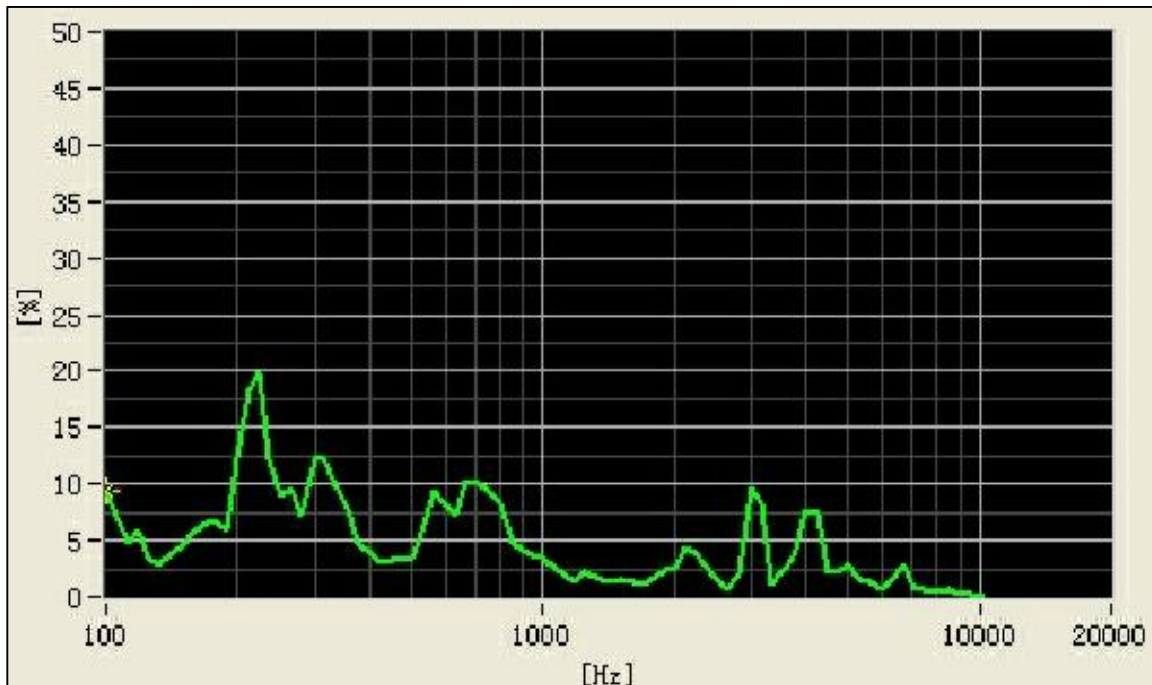
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1.3 Fundamental (only for reference),using sine wave 1W,0.5m test



1.4 THD(only for reference)

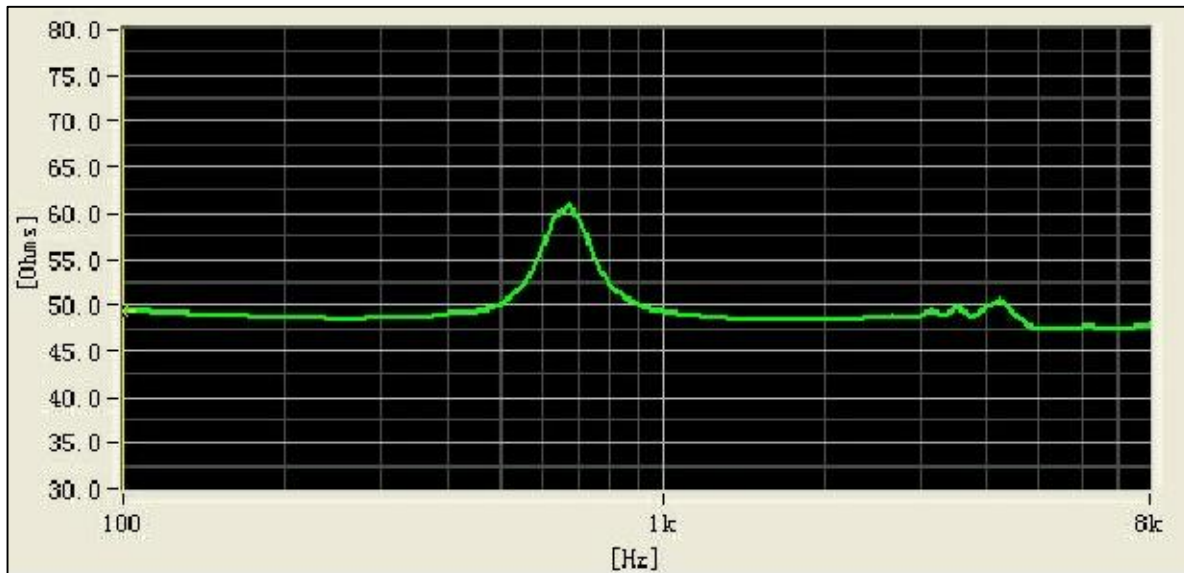


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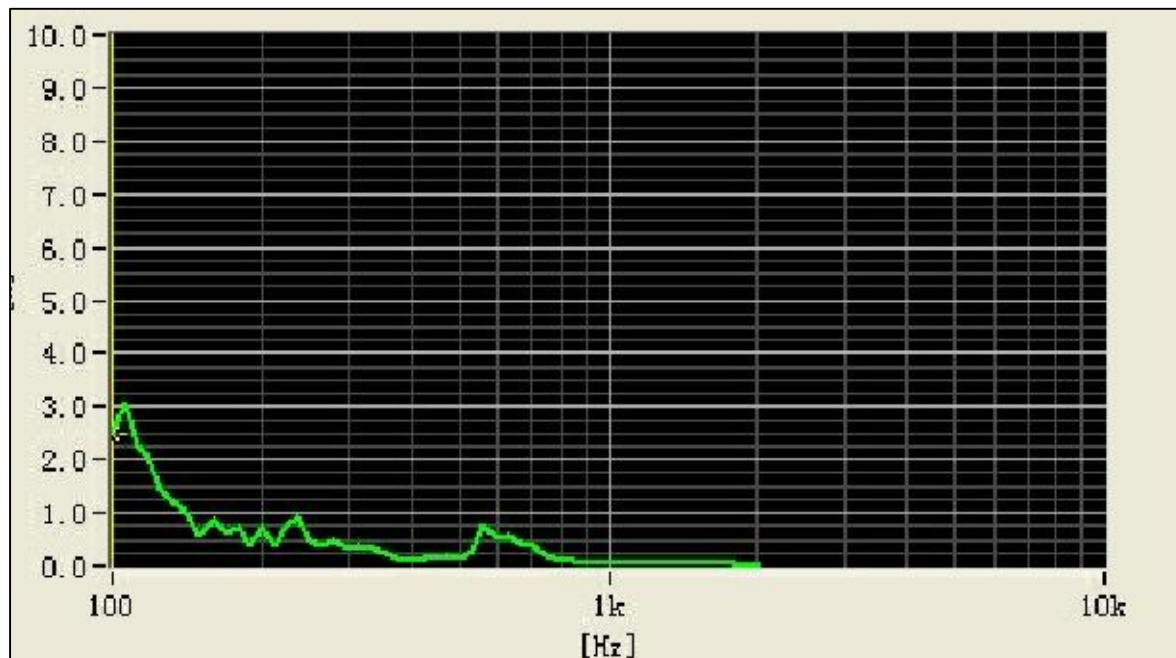
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1.5 Impedance(only for reference)



1.6 Rub&buzz(only for reference)

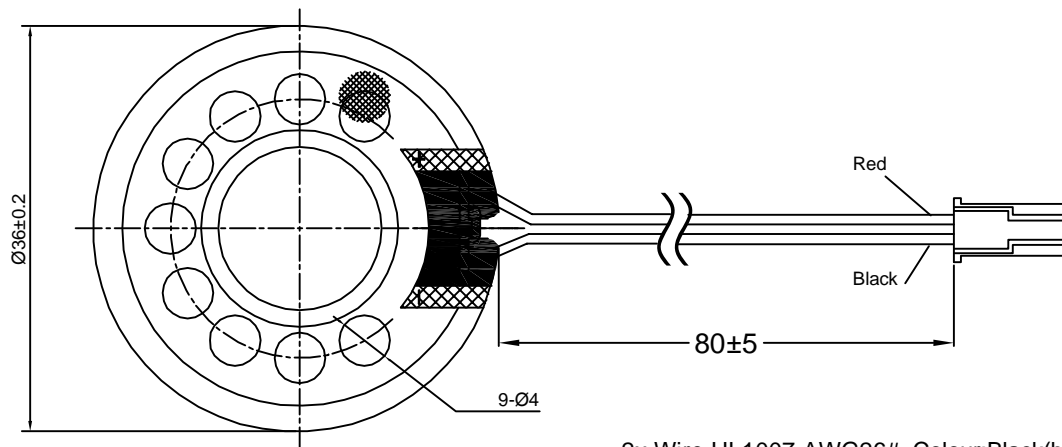


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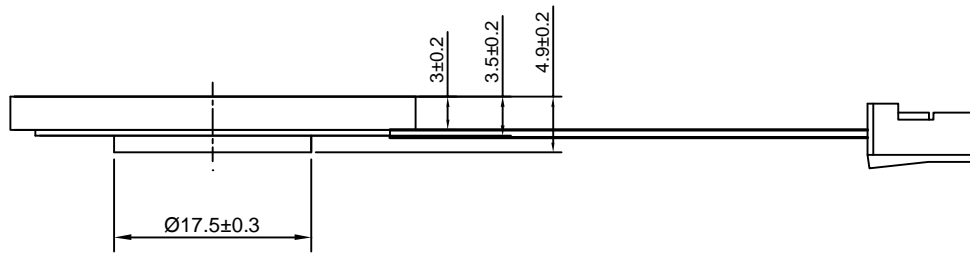
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2. Dimension Unit:mm



2x Wire UL1007 AWG26# ,Colour:Black(b) and red(r)
Connector:JST PAP-02V-S,Terminal: JST PN SPHD-001T-P0.5



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3. Reliability Test

3.1 Load Test

Input Power	0.5W
Duration	96hrs

3.2 Heat Test

Temperature	+85°C±2°C
Duration	96hrs

3.3 Cold Test

Temperature	-40°C±2°C
Duration	96hrs

3.4 Moisture Test

Temperature	+40°C±2°C
Humidity	90%-95%RH
Duration	96hrs

3.5 Temperature shock

Low temperature	-40°C
Upper temperature	+85°C
Dwell time each temperature	30min.
Transfer time from lower to upper temperature	< 10s
Number of cycles	100

3.6 Vibration Test

Vibration Frequency	10~55Hz
Amplitude	1.52mm
Duration	2hrs each of 3 axis

3.7 Drop test

Height of drop	1.2m
Ground	concrete floor
Temperature	room conditions
Number of drops	20

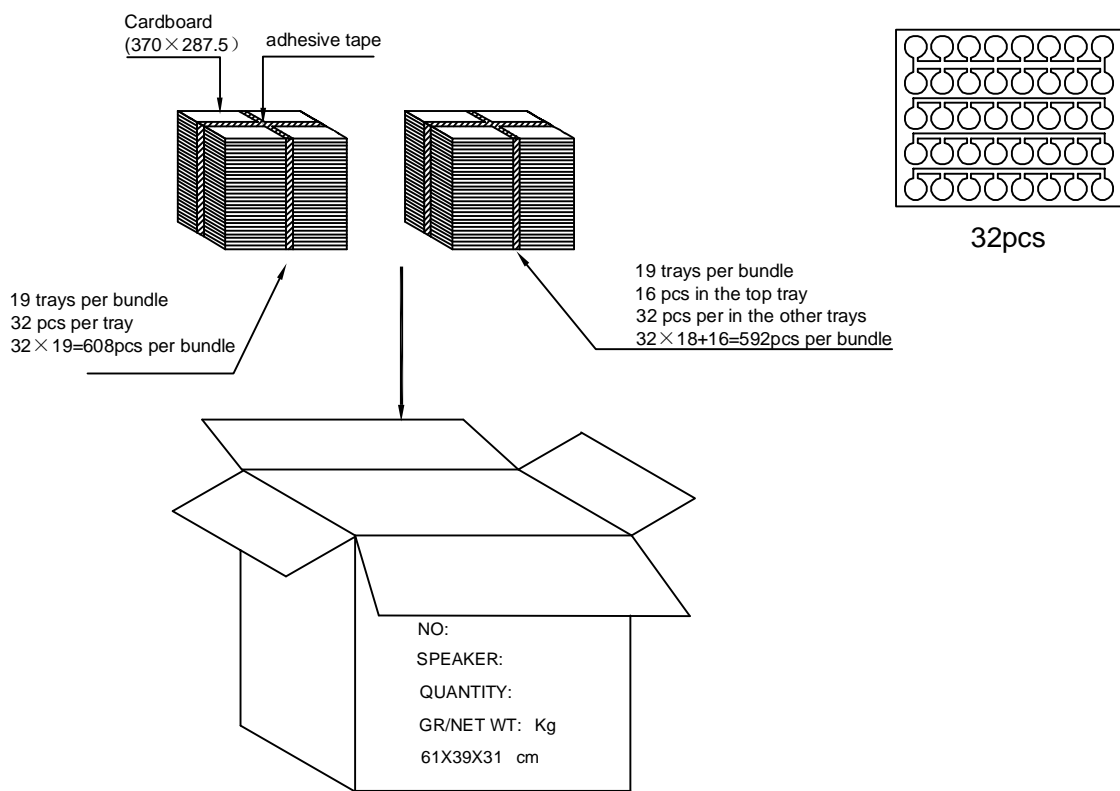
After each test, all acoustic and electrical characteristic should be satisfied with specification.

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4. Packing



Remark:
32 pcs per tray
19 pcs trays per bundle
2 bundles per carton
608+592=1200 pcs per carton
Size: 61X39X31(cm)

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5. History change record

version No.	Change Items		Date	Drawn	Approved
	Before	After			
A			2012.07.04	莫丽丽	张秀琴
B	1152 pcs per carton	1200 pcs per carton	2013.07.31	胡兆俊	王平

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