



SPECIFICATION FOR DYNAMIC SPEAKER

TOTAL PAGE

07

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RoHS

Specification For The Acoustic Characteristics of Dynamic Speaker

Customer		Model Name	BTD44-12-03H20.1-01 LF
Customer P/N		Product No.	260101
Date	04 Aug. 2018	Issue No.	BS/TES01.1142B
Page	01 of 07	Issue Date	2018/08/03

Approval:

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

Drawn by	Checked by	Approved by	Customer approved
徐 波	王 平	赵 峥	

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.be-star.com>

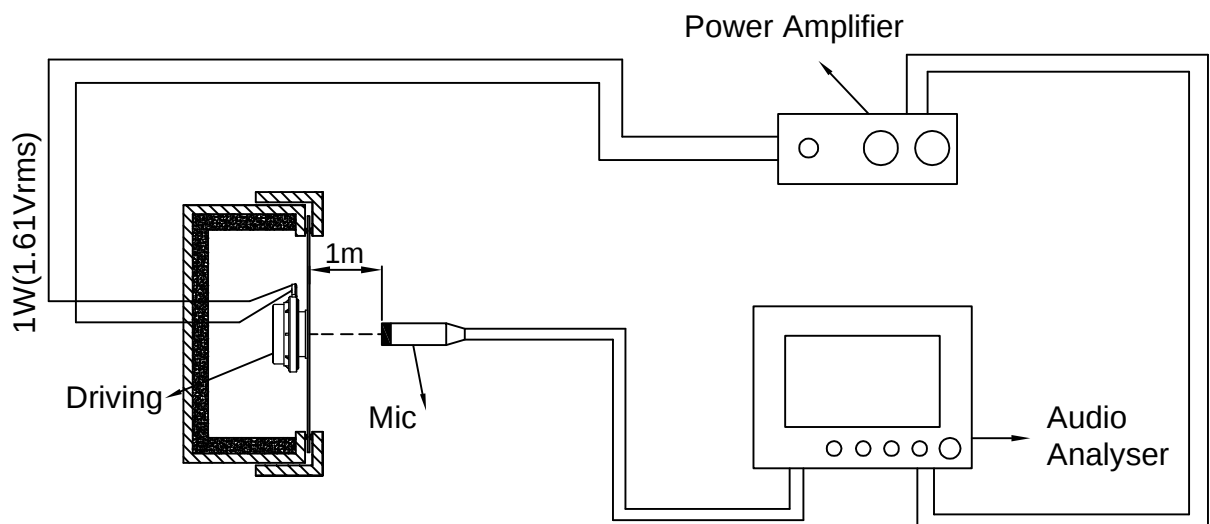
BTD44-12-03H20.1-01 LF

1.Characteristics

1.1 Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Dimension	Ø 44 ×20.1(mm)
2.	AC Impedance	2.6 Ω ±15%(at 1KHz)
3.	Rated Input Power	10W(5.09Vrms)
4.	Maximum Input Power	20W(7.21Vrms)
5.	Resonance Frequency	250Hz ±20%
6.	Frequency Response	f _o ~20KHz
7.	SPL(1W,1M)	72± 3dB at 1.0KHz
8.	T.H.D(1W)	<5% at 1.0KHz
9.	Buzzes & Rattles	Must be normal at sine wave 5.09 Vrms
10.	Polarity	Positive voltage to (+),Diaphragm moves forward
11.	Operating Temperature	-30~+ 75°C
12.	Storage Temperature	-40~+ 85°C
13.	Weight	~70g

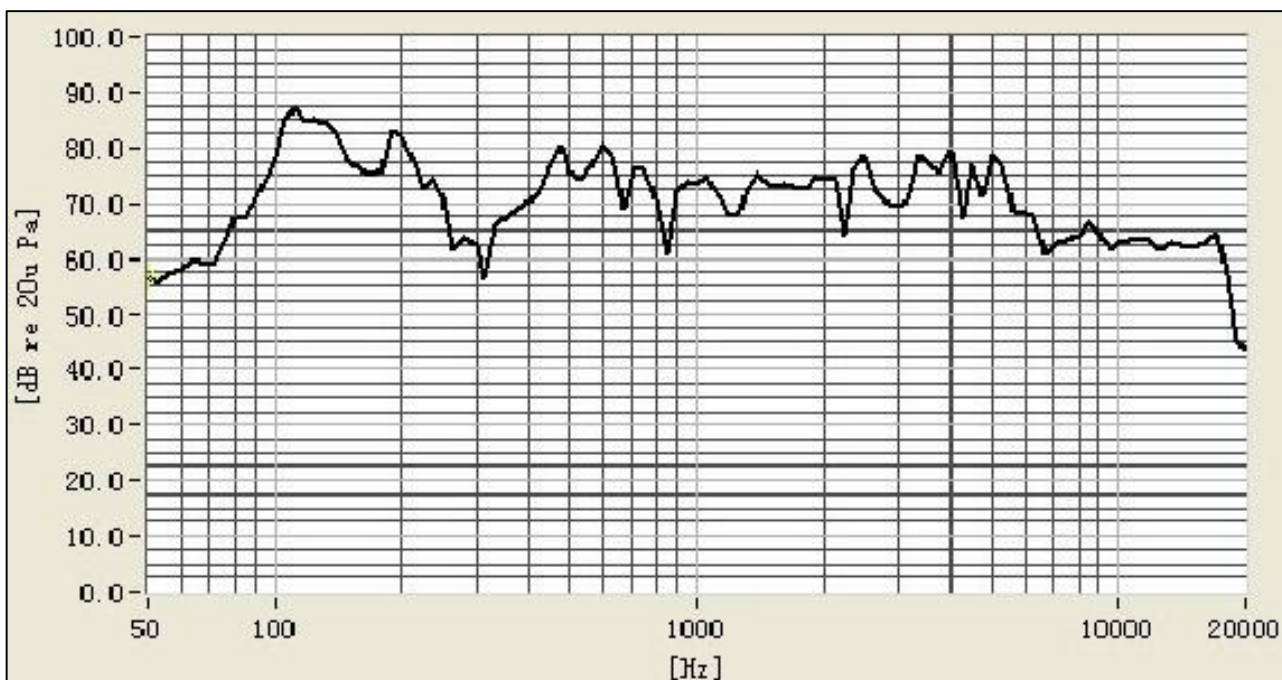
1.2 Test Method



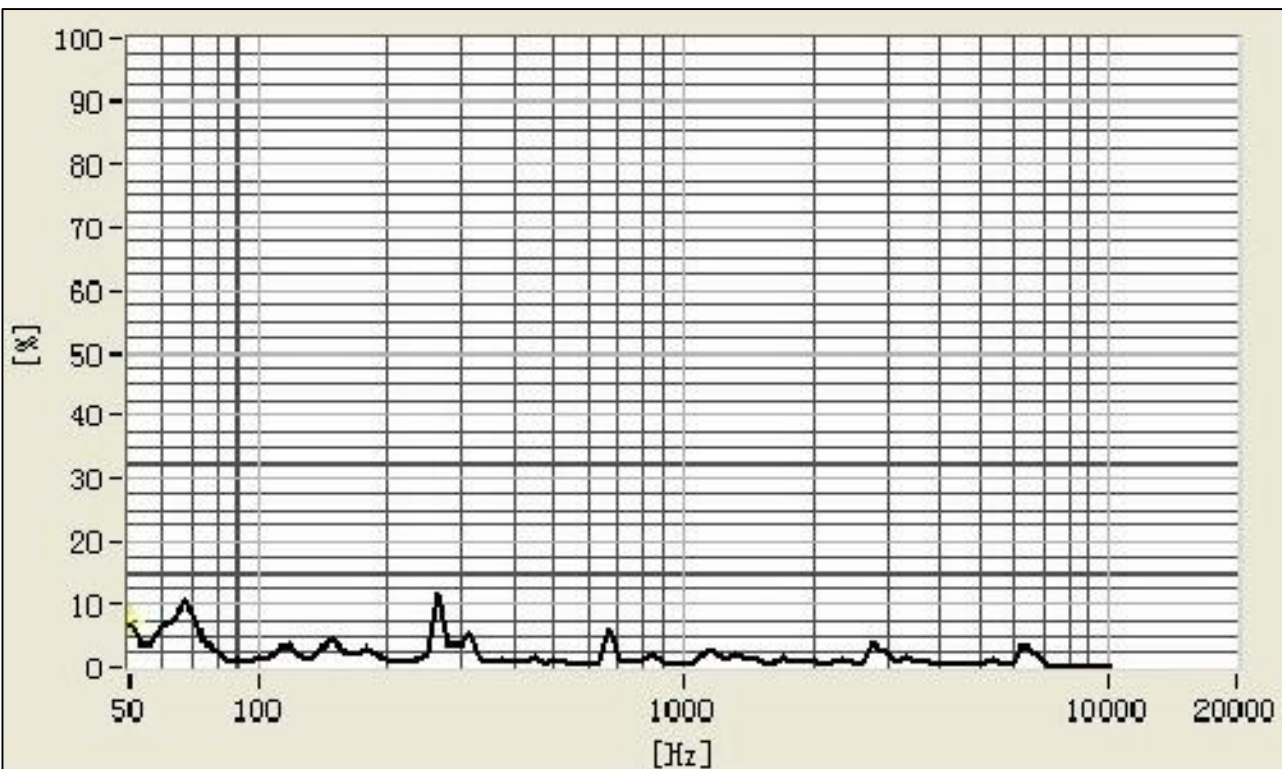
				Date:	2018/08/03	BTD44-12-03H20.1-01 LF Speaker
B	2018/08/03	徐 波		Drawn by:	徐 波	
A	2012/06/18	汪凤声		Checked by:	王 平	
Rev.	Date	Drawn	Note	Approved by:	赵 峥	
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BTD44-12-03H20.1-01 LF

1.3 Frequency Response Curve (only for reference)



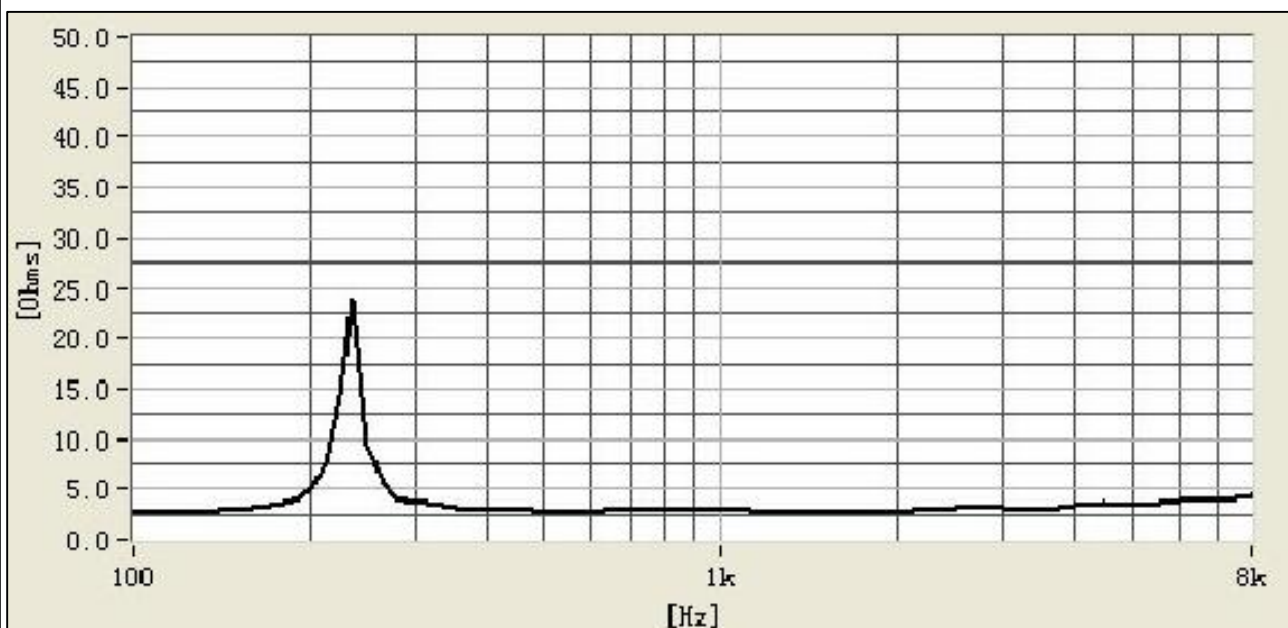
1.4 Total Harmonic Distortion Curve (only for reference)



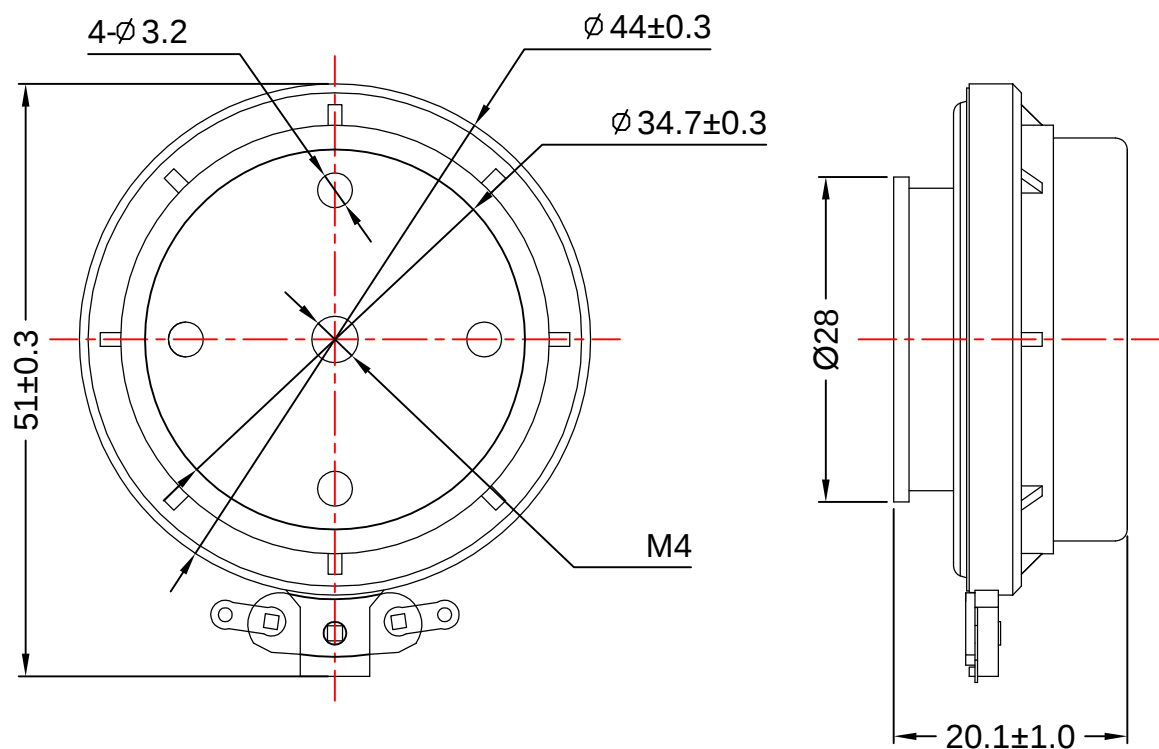
A				Date:	2018/08/03	BTD44-12-03H20.1-01 LF
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1.5 Impedance Response Curve (only for reference)



2.Drawing



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BTD44-12-03H20.1-01 LF

3. Reliability Test

3.1 Load Test

Power (Nom)

5.09V(white noise)

Duration

96hrs

3.2 High Temperature Test

Temperature

+85±2°C

Duration

96hrs

3.3 Low Temperature Test

Temperature

-40±2°C

Duration

96hrs

3.4 Damp Heat

Temperature

40±2°C

Relative Humidity

90%-95%RH

Duration

96hrs

3.5 Drop Test

Height

75cm

Drop face

free falling on concrete floor

Times

10 times

3.6 Vibration Test

Frequency

30±15Hz

Amplitude

1.5mm for 3hrs

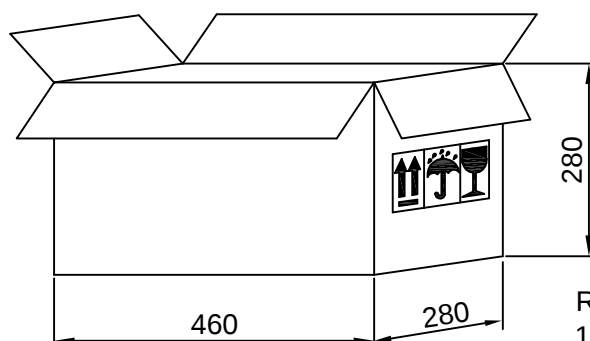
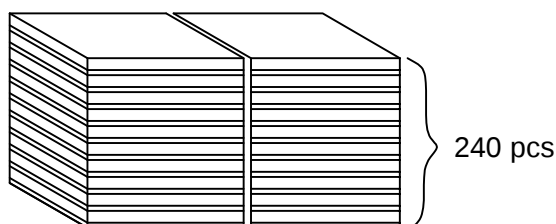
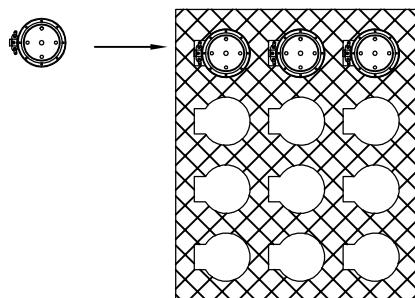
Notice:

1. After test leave at room temperature for 1 hours, SPL shall not deviate by ±3dB from pre-test measurement, and meet above spec. item 5, 6, 7, 8, 9

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6	5	4	3	2	1		

BTD44-12-03H20.1-01 LF

4. Packing



Remark:
 10 layers per box
 The first layer is used as a cover plate
 12 pcs per layer
 $10 \times 2 \times 12 = 240$ pcs per box
 Size: 46×28×28(cm)

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5. History Change Record

[illegible]

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