



# SPECIFICATION FOR DYNAMIC SPEAKER

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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	

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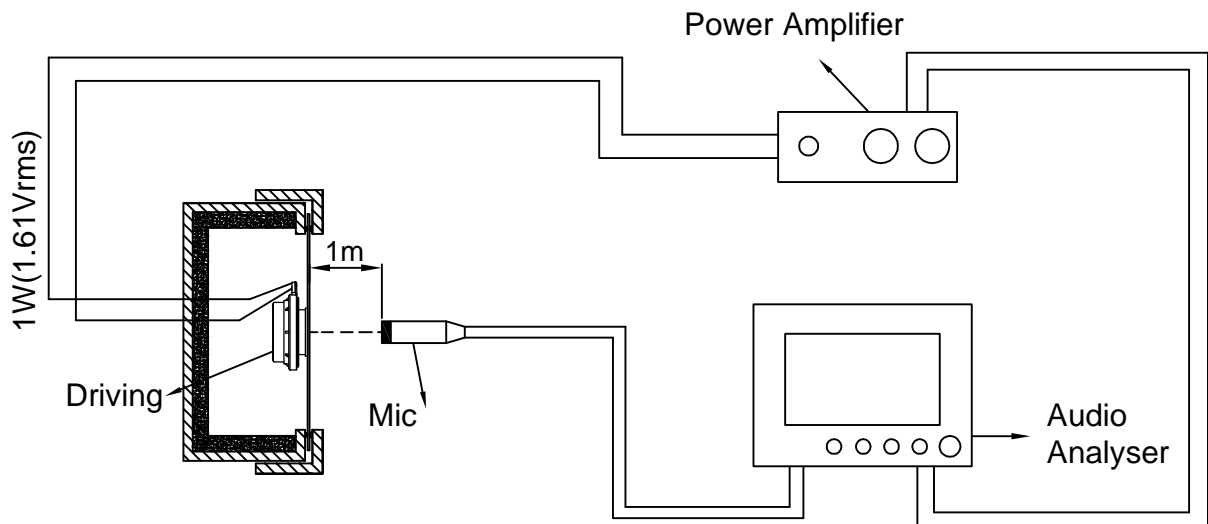
BTD44-12-03H20.1-01 LF

# 1.Characteristics

## 1.1 Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Dimension	∅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	fo~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

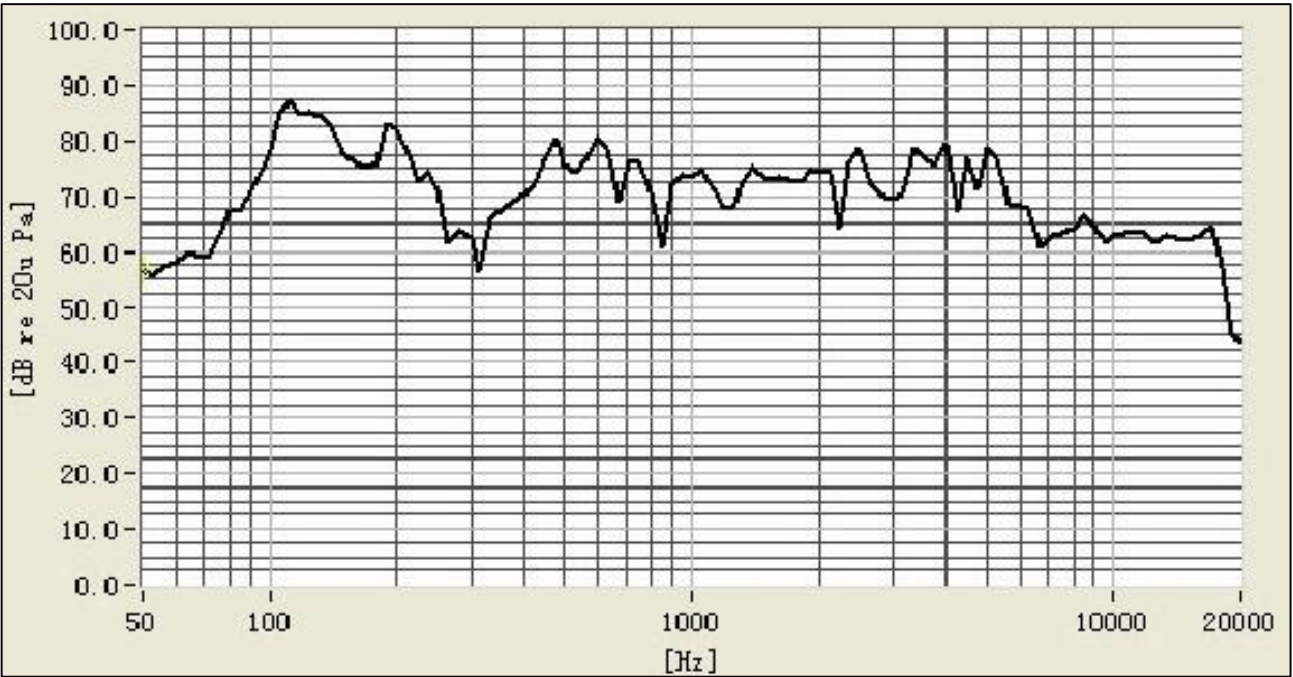


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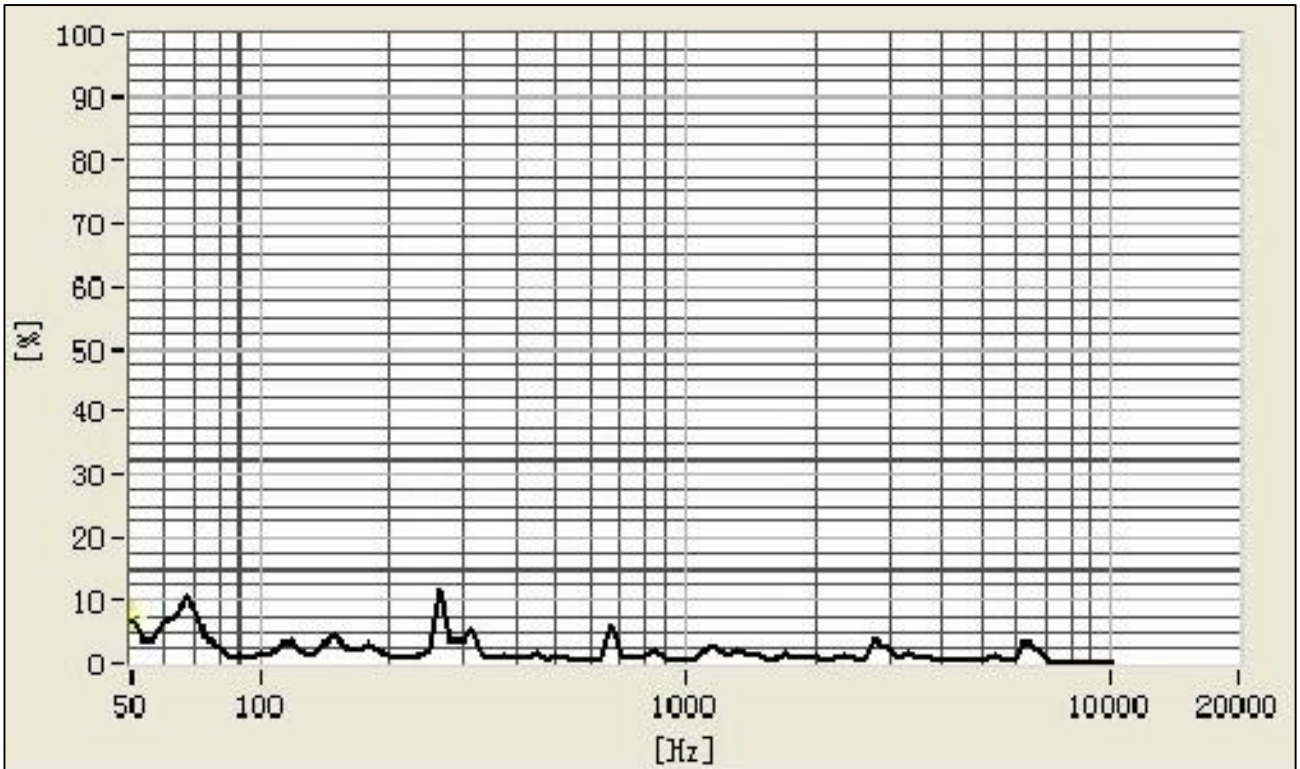
				Date:	2018/08/03	<b>BTD44-12-03H20.1-01 LF</b>  <b>Speaker</b>
B	2018/08/03	徐波		Drawn by:	徐波	
A	2012/06/18	汪凤声		Checked by:	王平	
Rev.	Date	Drawn	Note	Approved by:	赵峥	
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### BTD44-12-03H20.1-01 LF

1.3 Frequency Response Curve (only for reference)



1.4 Total Harmonic Distortion Curve (only for reference)

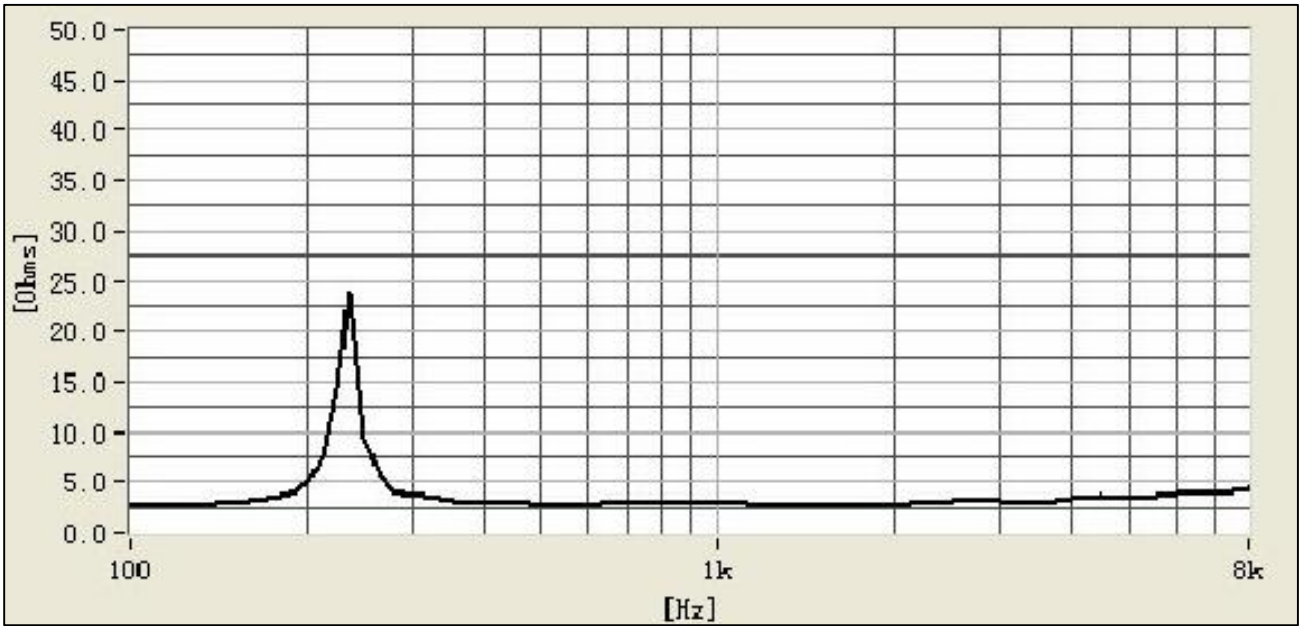


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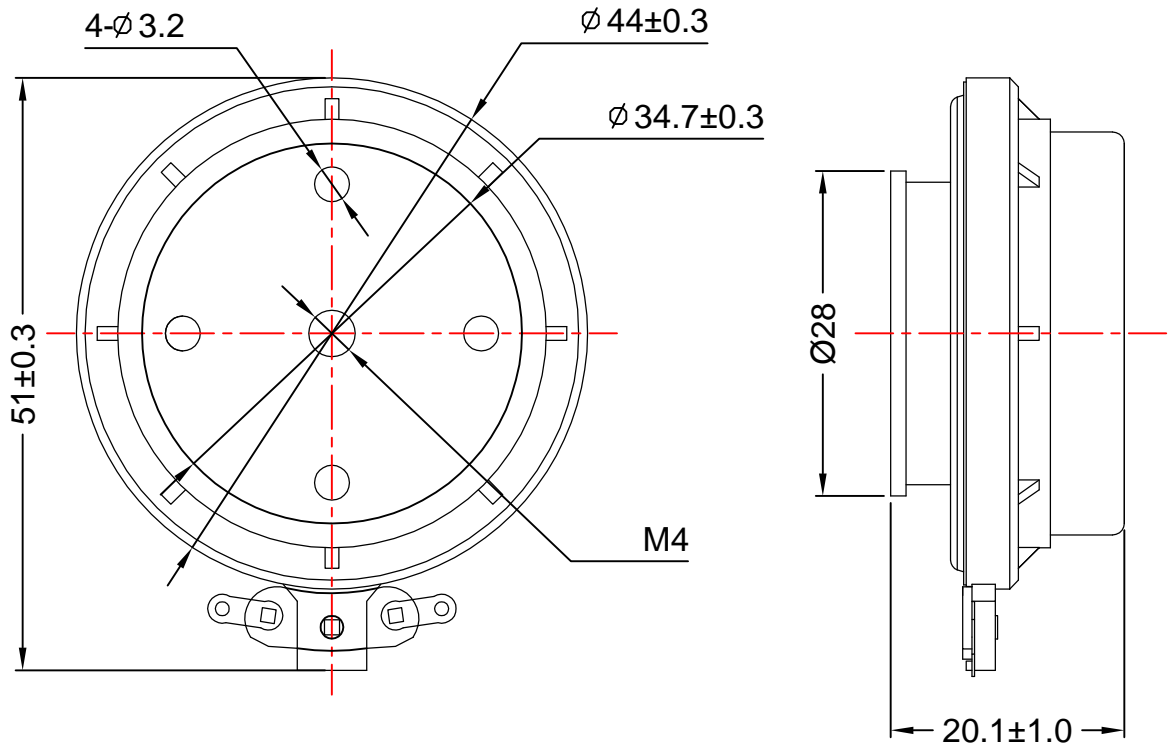
				Date:	2018/08/03	BTD44-12-03H20.1-01 LF	
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A	2012/06/18	汪凤声		Checked by:	王平	Speaker	
Rev.	Date	Drawn	Note	Approved by:	赵峥		
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# BTD44-12-03H20.1-01 LF

## 1.5 Impedance Response Curve (only for reference)



## 2.Drawing



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A	2012/06/18	汪凤声		Checked by:	王平	Speaker	
Rev.	Date	Drawn	Note	Approved by:	赵峥		
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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:**

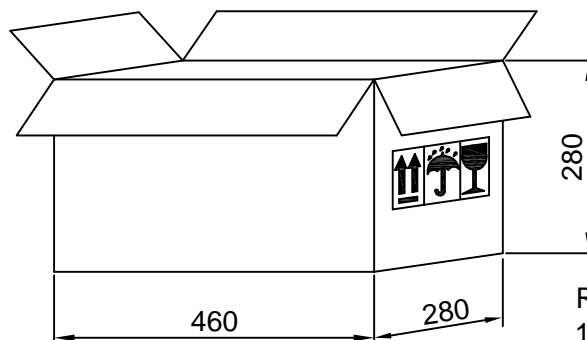
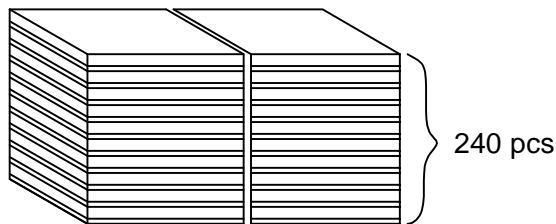
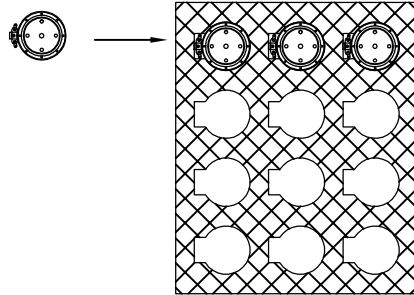
1. After test leave at room temperature for 1 hours, SPL shall not deviate by ±3dB from pre-test measurement, and meet above spec. item 5,6,7,8,9

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### 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

version No.	Change Items		Date	Drawn	Approved
	Before	After			
A	Original edition		2012/06/18	汪凤声	李红元
B	add packing		2018/08/03	徐波	赵峥

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