



SPECIFICATION FOR DYNAMIC SPEAKER

TOTAL PAGE

06

www.be-star.com

RoHS

Customer		Model Name	BLS2027-11-08H7.8 LF
Customer P/N		Product No.	121610
Date	04 Jul .2011	Issue No.	BS/TES01.1163A
Page	01 of 06	Issue Date	2011/07/04

Approval:

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

Drawn by	Checked by	Approved by	Customer approved

BESTAR ELECTRONICS INDUSTRY 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

BLS2027-11-08H7.8 LF

1. Description

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

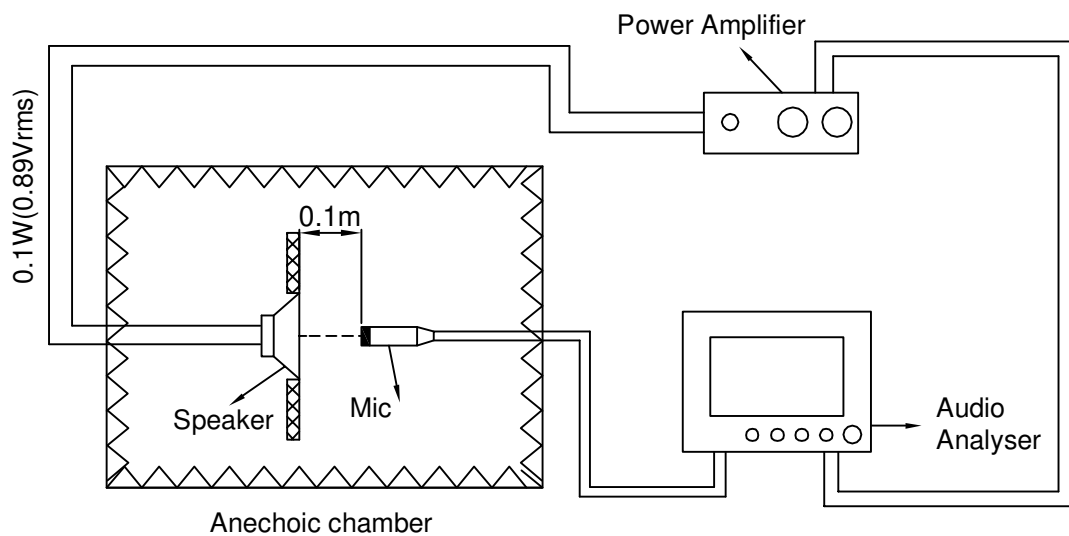


2. Characteristics

2.1 Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Dimension	20 x 27 x 7.8(mm)
2.	AC Impedance	8 Ω ±15% at 1.0KHz
3.	Rated Input Power	2.0W
4.	Maximum Input Power	3.0W
5.	Resonance Frequency	570Hz ±20%
6.	Frequency Response	F0~10KHz
7.	S.P.L	86±3dB/0.1W /0.1m at 0.8,1.0,1.2,1.5KHz average
8.	T.H.D	≤5% at 2.0W/1KHz
9.	Magnet	Ø11.5×1.5mm
10.	Buzzes & Rattles	Must be normal at sine wave 4.0Vrms
11.	Polarity	Positive voltage to (+),Diaphragm moves forward
12.	Operating Temperature	-30~+ 70°C
13.	Storage Temperature	-40~+ 85°C

2.2 Test Method

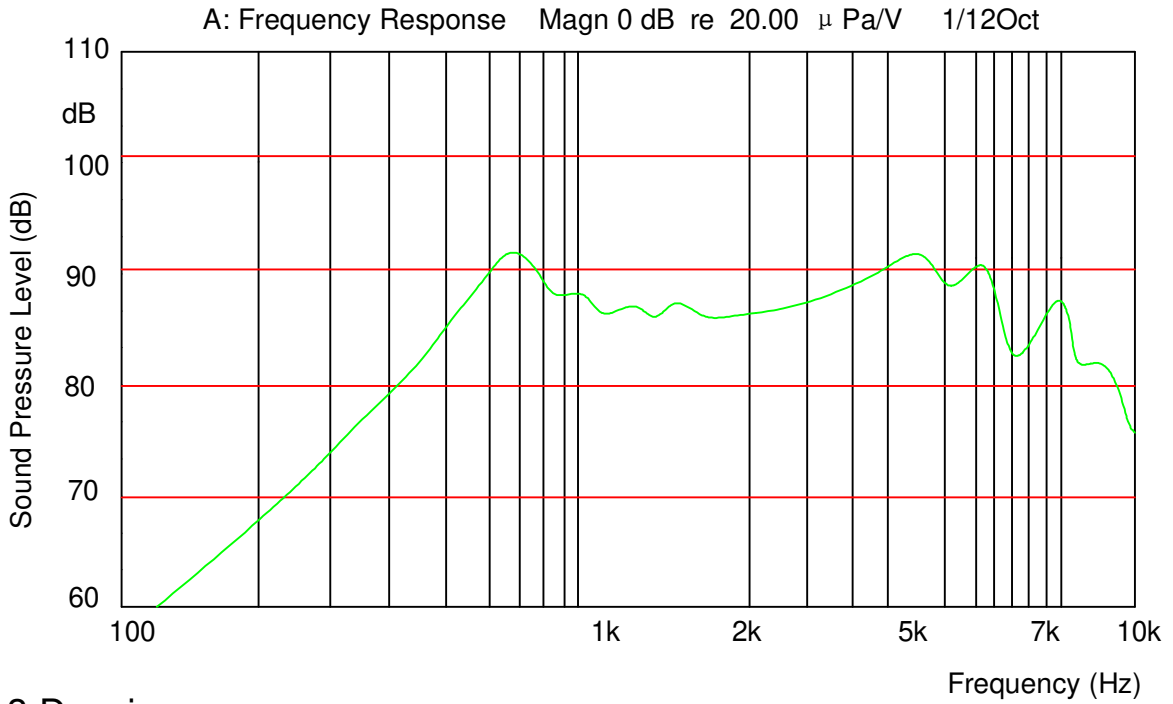


This print and information there in are proprietary to Bestar Electronics Industry Co., Ltd. and shall not be used in whole or in part without its written content

				Date:	2011/07/04	BLS2027-11-08H7.8 LF	
				Drawn by:	王文邦		
A	2011/07/04	王文邦		Checked by:	王平	Speaker	
Rev.	Date	Drawn	Note	Approved by:	李红元		
BESTAR ELECTRONICS INDUSTRY CO.,LTD						DRG NO: BS/TES01.1163A	Page:02 of 06
www.be-star.com wu@be-star.com							

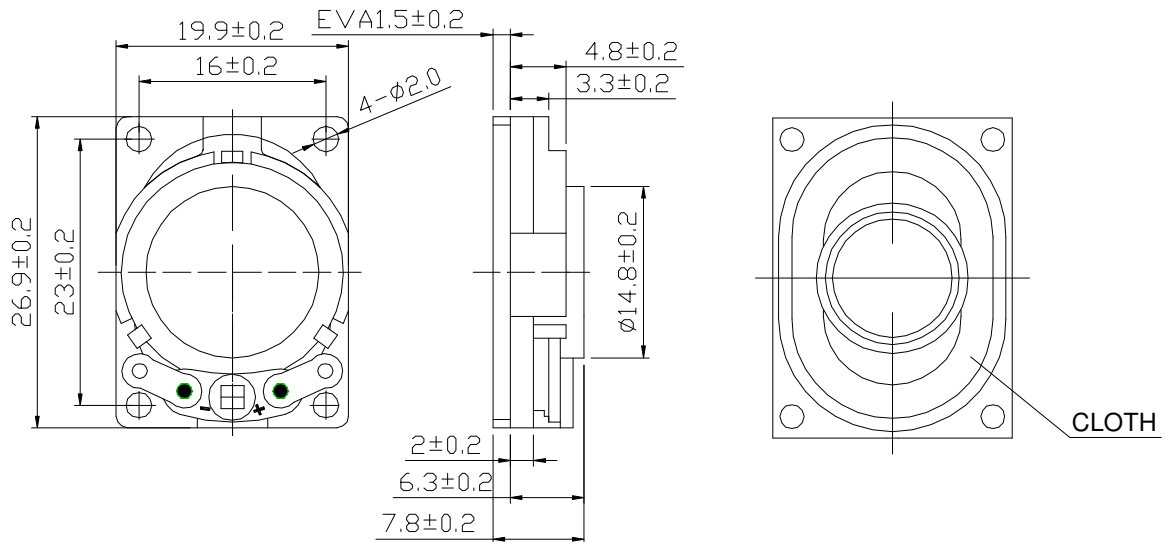
BLS2027-11-08H7.8 LF

2.3 Frequency Response Curve (only for reference)



3. Drawing

unit:mm
tolerance:±0.2



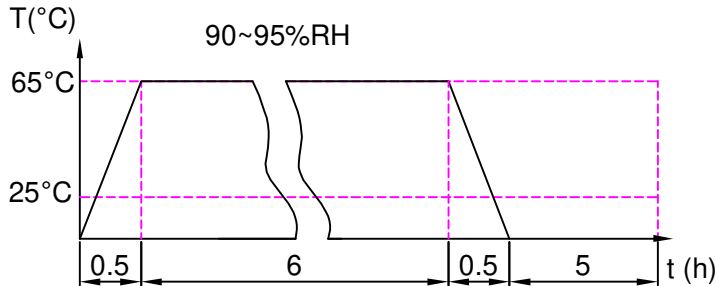
This print and information there in are proprietary to Bestar Electronics Industry Co., Ltd. and shall not be used in whole or in part without its written content

				Date:	2011/07/04	BLS2027-11-08H7.8 LF	
				Drawn by:	王文邦		
A	2011/07/04	王文邦		Checked by:	王平	Speaker	
Rev.	Date	Drawn	Note	Approved by:	李红元		
BESTAR ELECTRONICS INDUSTRY CO.,LTD						DRG NO: BS/TES01.1163A	Page:03 of 06
www.be-star.com wu@be-star.com							

BLS2027-11-08H7.8 LF

4. Reliability Test

- 4.1 Load Test
 - Power (Nom) 2.0W(white noise)
 - Duration 96hrs
- 4.2 High Temperature Test
 - Temperature +85±2°C
 - Duration 96hrs
- 4.3 Low Temperature Test
 - Temperature -40±2°C
 - Duration 96hrs
- 4.4 Damp Heat
 - Temperature 40±2°C
 - Relative Humidity 90%-95%RH
 - Duration 24hrs
- 4.5 Temperature Cycle Test
 - Cycles 5



- 4.6 Drop Test
 - Height 1.0m
 - Drop face thick board (20mm)
 - Times 10
- 4.7 Terminal Strength Test
 - Capable of withstand 1kg load for 30 seconds without resulting in any damage or rejection

Notice:

1. All these tests above should be measured after leaving normal temperature for 2hrs.
2. Sensitivity difference at 0.8-1.5KHz shall be within ±3dB from initial value after test.

This print and information there in are proprietary to Bestar Electronics Industry Co., Ltd. and shall not be used in whole or in part without its written content

				Date:	2011/07/04	BLS2027-11-08H7.8 LF	
				Drawn by:	王文邦		
A	2011/07/04	王文邦		Checked by:	王平	Speaker	
Rev.	Date	Drawn	Note	Approved by:	李红元		
BESTAR ELECTRONICS INDUSTRY CO.,LTD						DRG NO: BS/TES01.1163A	Page:04 of 06
www.be-star.com wu@be-star.com							

BLS2027-11-08H7.8 LF

5. Packing

TBD

This print and information there in are proprietary to Bestar Electronics Industry Co., Ltd. and shall not be used in whole or in part without its written consent

				Date:	2011/07/04	BLS2027-11-08H7.8 LF	
				Drawn by:	王文邦		
A	A	2011/07/04	王文邦	Checked by:	王平	Speaker	
Rev.	Date	Drawn	Note	Approved by:	李红元		
BESTAR ELECTRONICS INDUSTRY CO.,LTD						DRG NO: BS/TES01.1163A	Page:05 of 06
www.be-star.com wu@be-star.com							



BLS2027-11-08H7.8 LF

6. History Change Record

version No.	Change Items		Date	Drawn	Approved
	Before	After			
A			2011/07/04	王文邦	李红元

This print and information there in are proprietary to Bestar Electronics Industry Co., Ltd. and shall not be used in whole or in part without its written consent

				Date:	2011/07/04	BLS2027-11-08H7.8 LF	
				Drawn by:	王文邦		
A	2011/07/04	王文邦		Checked by:	王平		Speaker
Rev.	Date	Drawn	Note	Approved by:	李红元		
BESTAR ELECTRONICS INDUSTRY CO.,LTD www.be-star.com wu@be-star.com						DRG NO: BS/TES01.1163A	Page:06 of 06