BeStar	SPECIFICATION FOR ELECTRO-MAGNET TRANSDUCER			
	TOTAL PAGE	07	***http://www.bestargroups.com***	RoHS

Customer		Model Name	BMT3212XH17 LF
Customer P/N	BMI3212C-01A-BMW	Product No.	020900
Date	08Dec. 2014	Issue No.	BS/TET01.685D
Page	01 of 07	Issue Date	2014/12/08

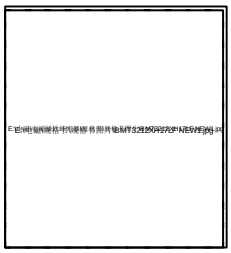
Approval:

1.Characteristics
2.Dimension
3.Reliability Test
4.Packing
5.Notice
6.History change record

Drawn by	Checked by	Approved by	Customer approved
常琦	徐波	徐金国	

BESTAR ACOUSTICS 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***

BMT3212XH17 LF



1. Characteristics

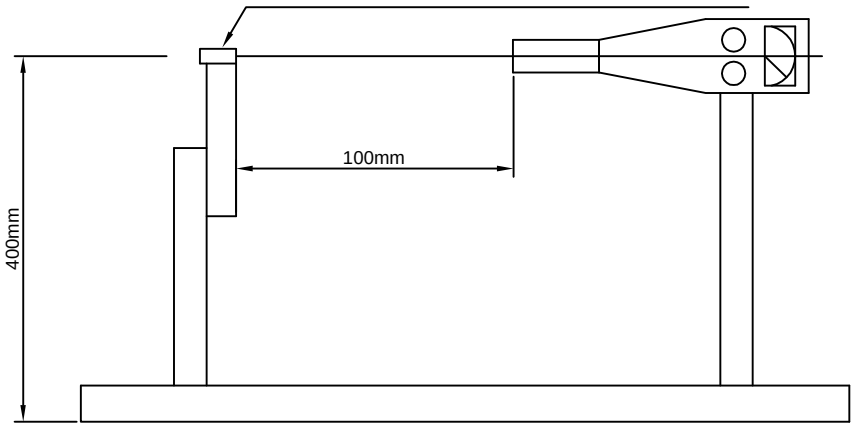
1.1 Electrical and Mechanical Characteristics

No.	Item	Specifications
1	Operating Voltage (V)	8...16
2	Rated Voltage (V)	12
3	a)Rated Current	≤55mA
4	a)Sound Output at 10cm	≥85dBA
5	a) Resonant Frequency	(770-850)±5%Hz
6	Operating Temperature	-40...+85° C
7	Storage Temperature	-40...+ 105° C
8	Material	PA66+15%GF
	a)Value appling at rated voltage(DC)	

1.2 Standard test Fixture :

★Standard Output Measurenent Setup

Buzzer(Sound Transducer)



No reaction in space with in 400mm in all direction

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

Rev.	Date	Drawn	Note	Approved by:	徐金国
D	2014/12/08	常琦	change the packing	Date:	2014/12/08
C	2013/10/18	常琦	change the QR-code	Drawn by:	常 琦
B	2013/06/24	常琦	change the SPL and printing	Checked by:	徐 波

BESTAR ACOUSTICS CO.,LTD www.bestargroups.com wu@be-star.com

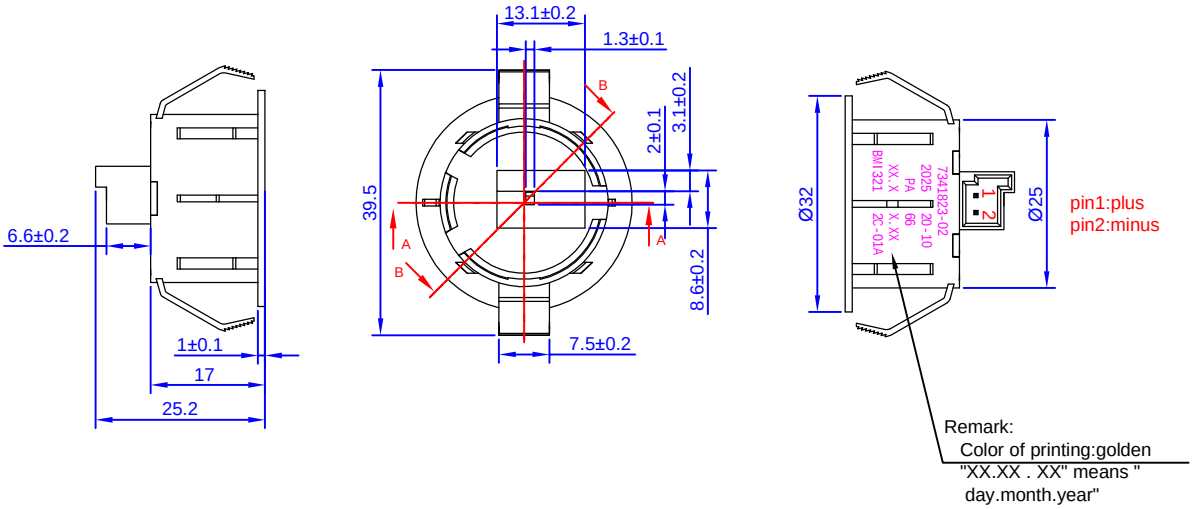
BMT3212XH17 LF

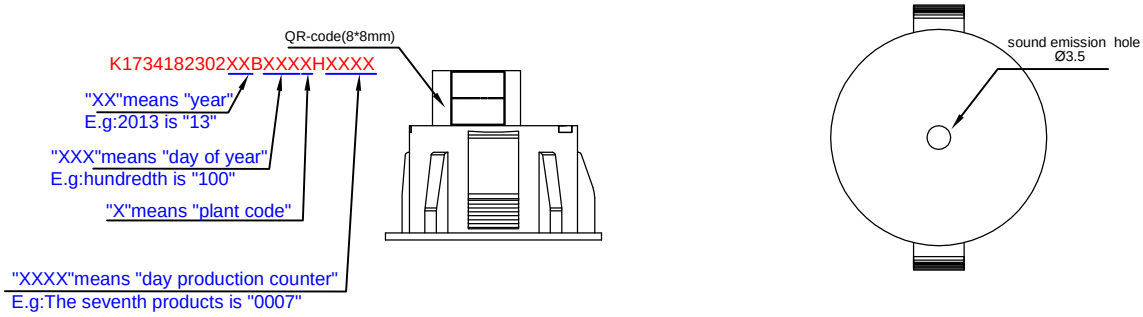
Transducer

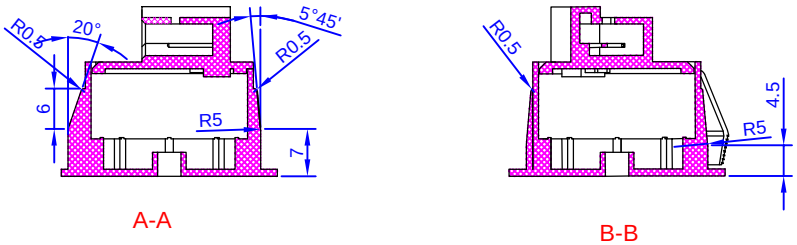
DRG NO: BS/TET01.685D

BMT3212XH17 LF

2. Dimension







Tolerance:±0.3 Unit:mm

REV.	Date	Drawn	Note	Approved by:	徐金国
D	2014/12/08	常琦	change the packing	Date:	2014/12/08
C	2013/10/18	常琦	change the QR-code	Drawn by:	常 琦
B	2013/06/24	常琦	change the SPL and printing	Checked by:	徐 波

BMT3212XH17 LF

Transducer

BESTAR ACOUSTICS CO.,LTD www.bestargroups.com wu@be-star.com

DRG NO: BS/TET01.685D

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

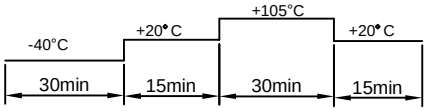
BMT3212XH17 LF

3. Reliability test

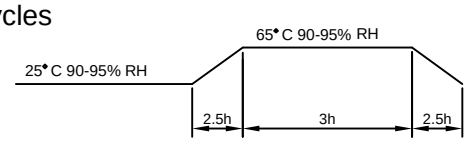
3.1 High temperature test
Temperature +105° C
Duration 96hrs

3.2 Low temperature test
Temperature -40° C
Duration 96hrs

3.3 Temperature cycle test
Cycles 5



3.4 Humidity cycle test
Cycles 10



all these tests above should be measured after leaving normal temperature for 2hrs.

3.5 Load test
Power supply rated voltage
Duration 1000hrs(65° C 90-95%)

3.6 Vibration Test
Vibration Frequency 10~55Hz
Amplitude 1.5mm
Duration x,y&z directions 30min

3.7 Drop test
Height 70cm
(to 10mm thickness woodenboard)
Direction 3

3.8 Solderability test
Solderability temperature 255±5°C
Heat applying time 3±0.5sec

Notice: After the test the part shall meet specifications without any degrance and performance except S.P.L, S.P.L shall be 80dB more .

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

REV.	Date	Drawn	Note
D	2014/12/08	常琦	change the packing
C	2013/10/18	常琦	change the QR-code
B	2013/06/24	常琦	change the SPL and printing

Date: 2014/12/08
Drawn by: 常 琦
Checked by: 徐 波
Approved by: 徐金国

BMT3212XH17 LF

Transducer

BESTAR ACOUSTICS CO.,LTD
www.bestargroups.com wu@be-star.com

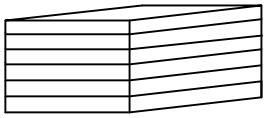
DRG NO: BS/TET01.685D

BMT3212XH17 LF

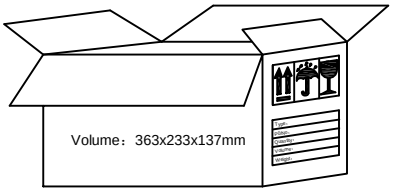
4. Packing

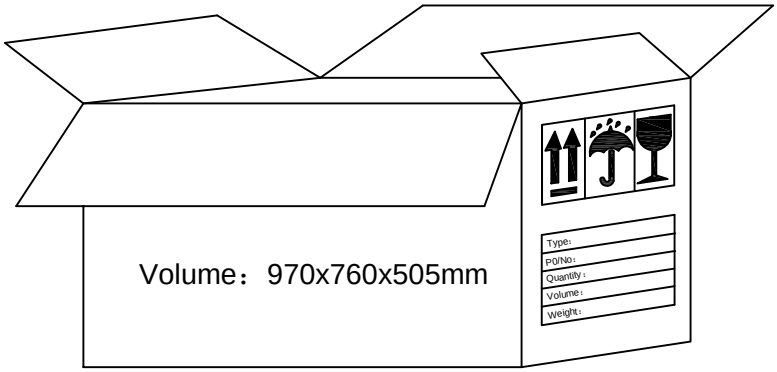
PET(ESD)

Put all the trays together.



1)35pcs/tray
2)4tray/inner carton
3)140pcs/inner carton in total
4)inner carton size 363x233x137mm
5)24inner carton/master carton
6)3360pcs/master carton
7)master carton size 970*760*505mm





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

REV.	Date	Drawn	Note		
D	2014/12/08	常琦	change the packing	Date:	2014/12/08
C	2013/10/18	常琦	change the QR-code	Drawn by:	常 琦
B	2013/06/24	常琦	change the SPL and printing	Checked by:	徐 波
				Approved by:	徐金国

BESTAR ACOUSTICS CO.,LTD www.bestargroups.com wu@be-star.com

BMT3212XH17 LF

Transducer

DRG NO: BS/TET01.685D

5.Notice

5.1 The products mustn't be washed

5.2 **Storage Condition**

The products should be stored in the room ,where the temperature/humidity is stable. And avoid suchplaces where there are large temperature changes.
Please store the products at the following conditions:
Temperature: -10 to + 40° C Humidity: 15 to 85% R.H.

5.3 **Expire Date on Storage**

Expire date (Shelf life) of the products is six months after deliveried under the conditions of a sealed and an unopened package. Please use the products within six months after deliveried.
If you store the products for a long time (more than six months), use carefully because the products may be degraded in the solderability and/or rusty.Please confirm solderability and characteristics for the products regularly.

5.4 **Notice on Product Storage**

(1) Please do not store the products in a chemical atmosphere (Acids, Alkali, Bases, Organic gas, Sulfides and so on), because the characteristics may be reduced at quality, and/or be degraded in the solderability due to the storage in a chemical atmosphere.
(2) Please use the products immediately after the package is opened, because the characteristics may be reduced at quality, and/or be degraded in the solderability due to storage under the poor condition.

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

REV.	Date	Drawn	Note	Approved by:	徐金国
D	2014/12/08	常琦	change the packing	Date:	2014/12/08
C	2013/10/18	常琦	change the QR-code	Drawn by:	常 琦
B	2013/06/24	常琦	change the SPL and printing	Checked by:	徐 波

BMT3212XH17 LF

6. History change record

version No.	Change Items		Date	Drawn	Approved
	Before	After			
A			2012/11/07	常琦	张秀琴
B	SPL=89±3dB printing:7341823 AI-02	SPL≥85dB printing:7341823-02	2013/06/24	常琦	张秀琴
C	QR-code：10*10mm	QR-code：8*8mm	2013/10/18	常琦	徐金国
D	1)35pcs/tray 2)6tray/inner carton 3)210pcs/inner carton in total 4)inner carton size 363x233x207mm 5)16inner carton/master carton	1)35pcs/tray 2)4tray/inner carton 3)140pcs/inner carton in total 4)inner carton size 363x233x137mm 5)24inner carton/master carton	2014/12/08	常琦	徐金国

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

REV.	Date	Drawn	Note
D	2014/12/08	常琦	change the packing
C	2013/10/18	常琦	change the QR-code
B	2013/06/24	常琦	change the SPL and printing

Date: 2014/12/08
Drawn by: 常 琦
Checked by: 徐 波
Approved by: 徐金国

BMT3212XH17 LF

Transducer

BESTAR ACOUSTICS CO.,LTD
www.bestargroups.com wu@be-star.com