

SPECIFICATION FOR MAGNET ELECTRIC SOUNDER

Customer	
Customer P/N	
BeStar Model Name	BMT1612H14-01 LF
Product No.	010302
Issue No.	BS/TET01.010B
Issue Date	06/10/29

Approval:

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

Drawn by	Checked by	Approved by	Customer approved
魏奉玲	徐波	陶红仲	



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
Http:www.be-star.com
E-mail: wu@be-star.com, info@be-star.com

BMT1612H14-01 LF



1. Characteristics

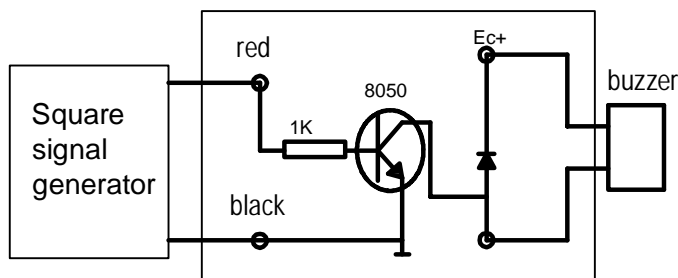
1.1 Electrical and Mechanical Characteristics

No.	Item	Specifications
1	Operating Voltage	6...18V
2	Rated Voltage	12V
3	Coil resistance	115±15Ω
4	b)Coil Impedance	200Ω
5	a)Sound Output Level at 10cm	98±3dBA
6	a)Rated Current	≤ 40mA
7	Resonant Frequency	2048Hz
8	Operating Temperature	-40...+85°C
9	Storage Temperature	-40...+85°C
10	Weight	7g
a)rated voltage applied ,square-wave,frequency 2048Hz,50% duty		
b)rated voltage applied ,sine-wave,frequency 2048Hz,measuring current 60 μA		

1.2 Test method:

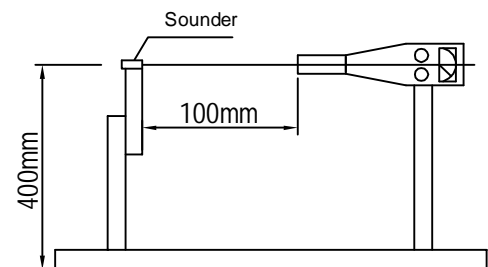
1.21.Recommended Circuit

the following are examples of externally driven circuits.



1.22.Standard test Fixture

No reaction in space with 40mm in all direction

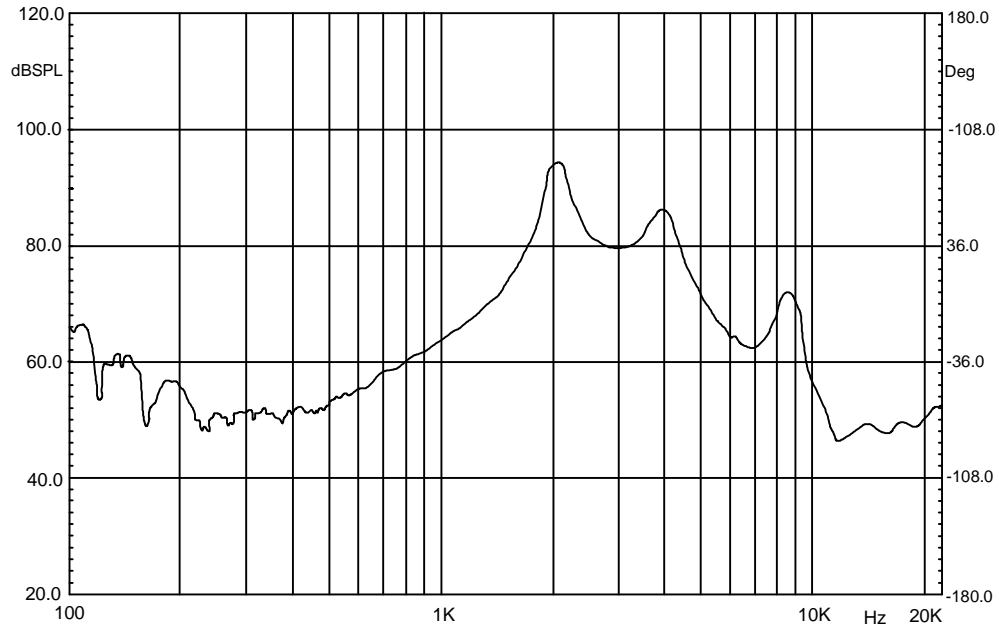


				Date:	06/10/29	BMT1612H14-01 LF
B	06/10/29	魏奉玲	ROHS	Drawn by:	魏奉玲	
A	02/06/20	王善梅		Checked by:	徐 波	Megnet Sounder
Rev.	Date	Drawn	Note	Approved by:	陶红仲	
BESTAR ELECTRONICS INDUSTRY CO.,LTD						DRG NO: BS/TET01.010B
www.be-star.com wu@be-star.com						Page:1 of 5

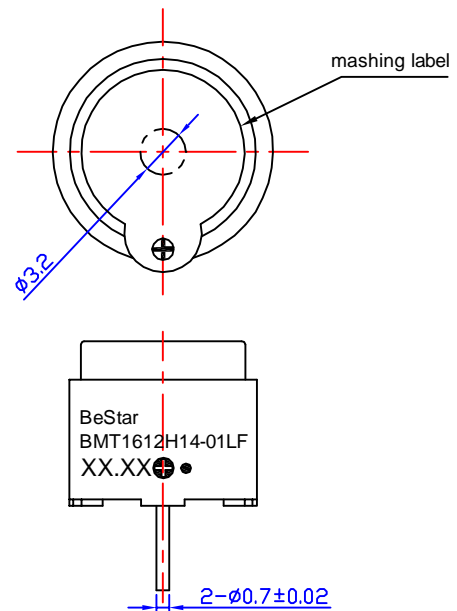
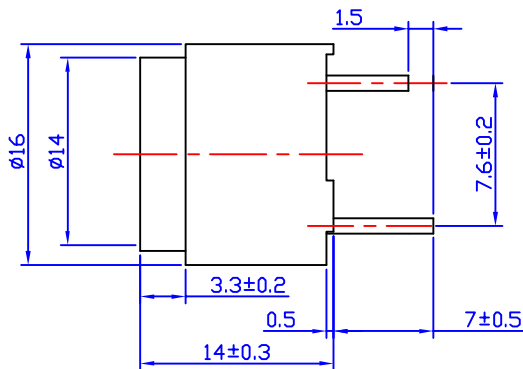
BMT1612H14-01 LF

1.3 Frequency response (square wave 12Vo-p 10 cm)

MLS-Frequency Response



2. Dimension



Tolerance: ± 0.3 Unit: mm

A	B	06/10/29	魏奉玲	ROHS	Date: 06/10/29	BMT1612H14-01 LF	
	A	02/06/20	王善梅		Drawn by: 魏奉玲		
	REV.	Date	Drawn	Note	Checked by: 徐波	Megnet Sounder	
					Approved by: 陶红仲		
BESTAR ELECTRONICS INDUSTRY CO.,LTD						DRG NO: BS/TET01.010B	Page: 2 of 5
www.be-star.com wu@be-star.com							

BMT1612H14-01 LF

3. Reliability test

3.1 high temperature test

Temperature

+85°C

Duration

96hrs

3.2 low temperature test

Temperature

-40°C

Duration

96hrs

3.3 life test in normal temperature

Power supply

rated voltage

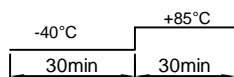
Duration

1000hrs

3.4 temperature cycle test

Cycles

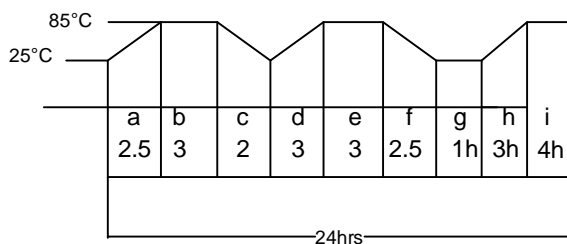
10



3.5 Humidity cycle test

cycles

10



a,b,c,d,e,g,i 90%...98%RH

c,f 80%...98%RH

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

3.6 Drop test

Height

70cm

(to 10mm thickness woodenboard)

Direction

3(X,Y,Z)

3.7 Solderability

Temperature

255± 5° C

Duration

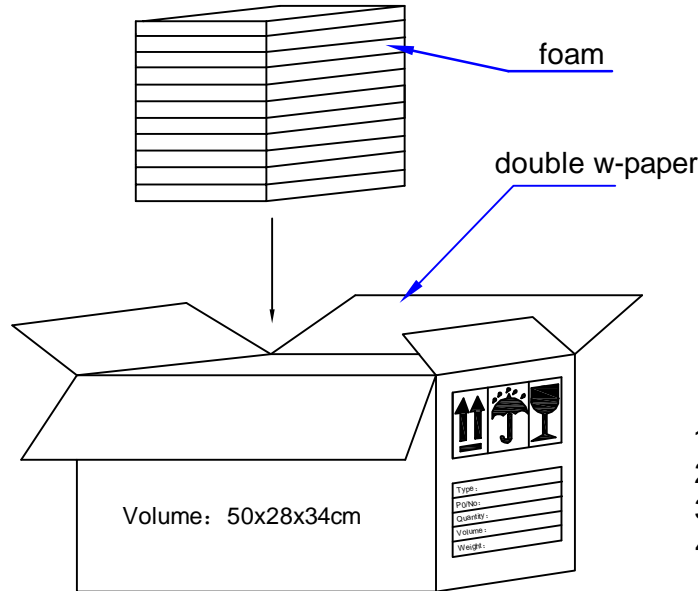
3± 0.5sec

Notice: All specification must be satisfied in this condition except SPL.SPL shall be 88dB or more

				Date:	06/10/29	BMT1612H14-01 LF
B	06/10/29	魏奉玲	ROHS	Drawn by:	魏奉玲	
A	02/06/20	王善梅		Checked by:	徐 波	Megnet Sounder
REV.	Date	Drawn	Note	Approved by:	陶红仲	
BESTAR ELECTRONICS INDUSTRY CO.,LTD						DRG NO: BS/TET01.010B
www.be-star.com wu@be-star.com						
6	5	4	3	2	1	Page:3 of 5

BMT1612H14-01 LF

4. Packing



- 1)50pcs/tray
- 2)40trays/carton
- 3)2000pcs/carton in total
- 4)carton size 50x28x34cm

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 such places 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 delivered under the conditions of a sealed and an unopened package. Please use the products within six months after delivered.

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.

				Date:	06/10/29	BMT1612H14-01 LF	
B	06/10/29	魏奉玲	ROHS	Drawn by:	魏奉玲		
A	02/06/20	王善梅		Checked by:	徐 波	Megnet Sounder	
REV.	Date	Drawn	Note	Approved by:	陶红仲		
BESTAR ELECTRONICS INDUSTRY CO.,LTD						DRG NO: BS/TET01.010B	Page:4 of 5
www.be-star.com wu@be-star.com							
6	5	4	3	2	1		

