

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	



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BMT1612H14-01 LF



1. Characteristics

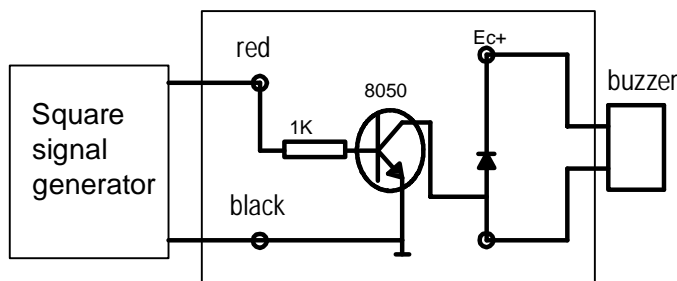
1.1 Electrical and Mechanical Characteristics

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:

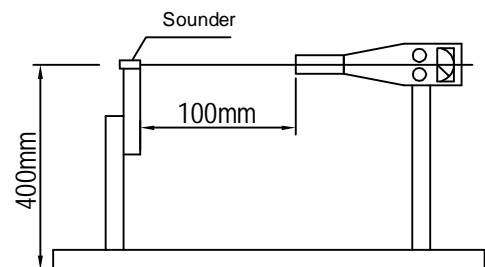
1.21.Recommended Circuit

the following are examples of externally driven circuits.



1.22.Standard test Fixture

No reaction in space with 40mm in all direction



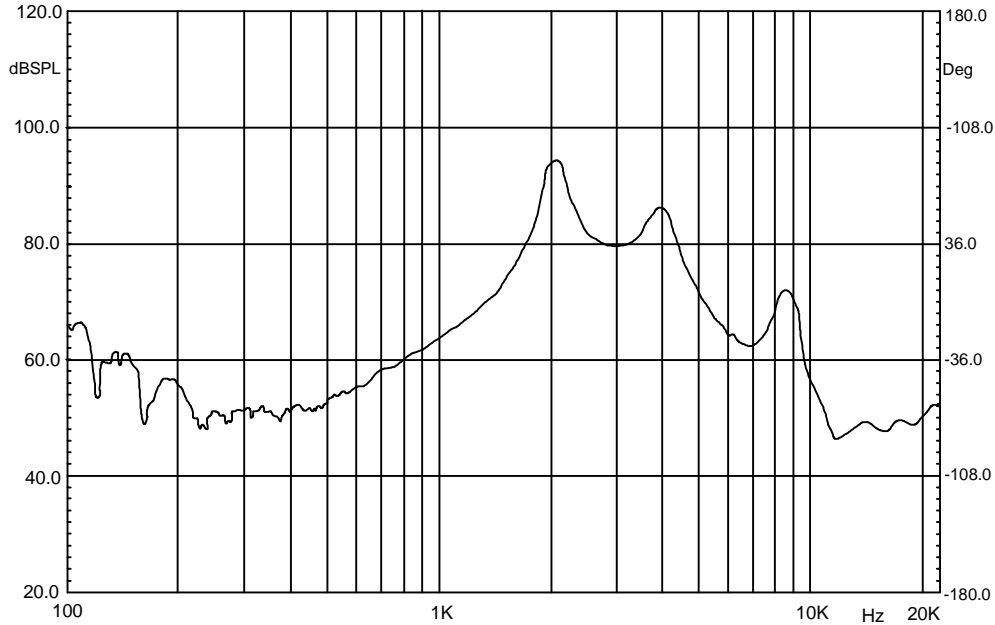
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B	06/10/29	魏奉玲	ROHS	Drawn by:	魏奉玲		
A	02/06/20	王善梅		Checked by:	徐波	Megnet Sounder	
Rev.	Date	Drawn	Note	Approved by:	陶红仲		
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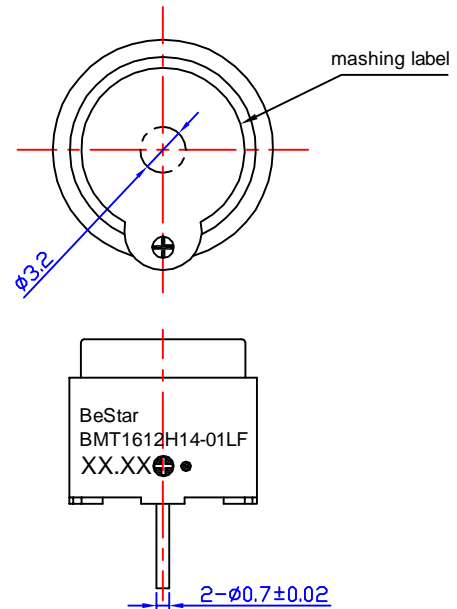
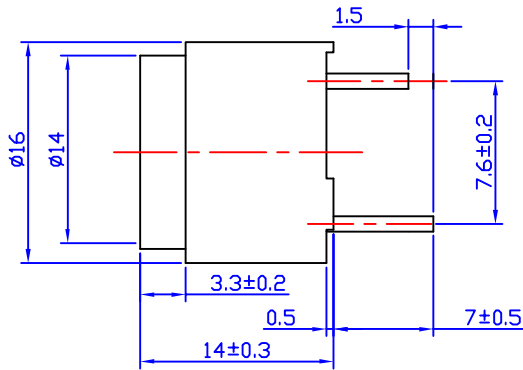
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1.3 Frequency response (square wave 12Vo-p 10 cm)

MLS-Frequency Response



2. Dimension



Tolerance: ± 0.3 Unit:mm

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3. Reliability test

3.1 high temperature test

Temperature +85°C
 Duration 96hrs

3.2 low temperature test

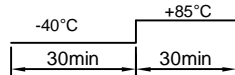
Temperature -40°C
 Duration 96hrs

3.3 life test in normal temperature

Power supply rated voltage
 Duration 1000hrs

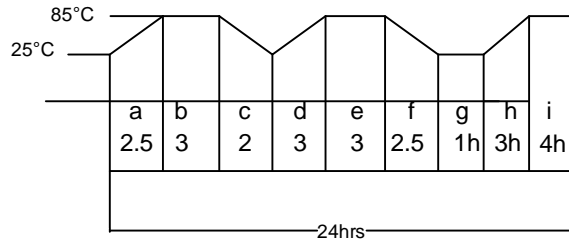
3.4 temperature cycle test

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

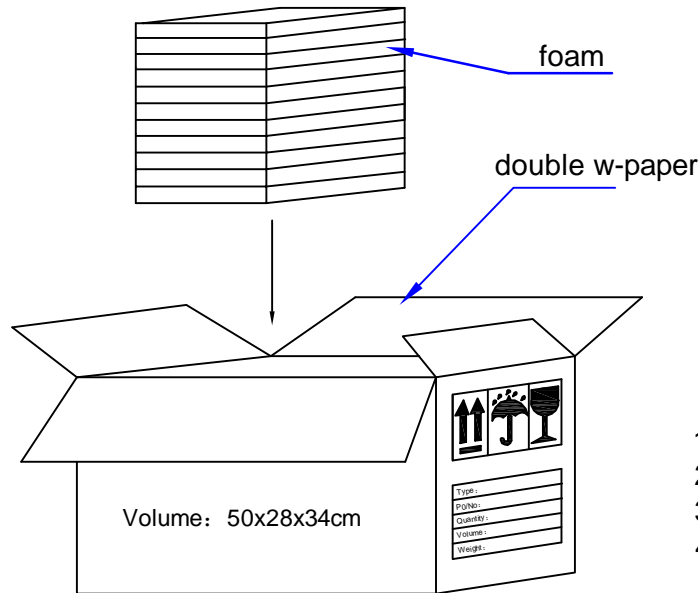
Notice: All specification must be satisfied in this condition except SPL.SPL shall be 88dB or more

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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.

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6. History change record

version No.	Change Items		Date	Drawn	Approved
	Before	After			
A			02/06/20	王善梅	郭敏
B		ROHS	06/10/29	魏奉玲	陶红仲

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