



SPECIFICATION
FOR ELECTRO-MAGNET TRANSDUCER

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Customer		Model Name	BMT1606H14 LF
Customer P/N		Product No.	010309
Date	12 Oct. 07	Issue No.	BS/TET01.014B
Page	01 of 07	Issue Date	07/10/12

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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BMT1606H14 LF



1. Characteristics

1.1 Electrical and Mechanical Characteristics

No.	Item	Specifications
1	Operating Voltage	4...8Vo-p
2	Rated Voltage	6Vo-p
3	Coil resistance	45±7 Ω
4	b)Coil Impedance	110 Ω
5	a)Sound Output Level at 10cm	≥85dBA
6	a)Rated Current	≤40mA
7	Resonant Frequency	2048Hz
8	Operating Temperature	-40...+85°c
9	Storage Temperature	-40...+85°c
10	Weight	7g

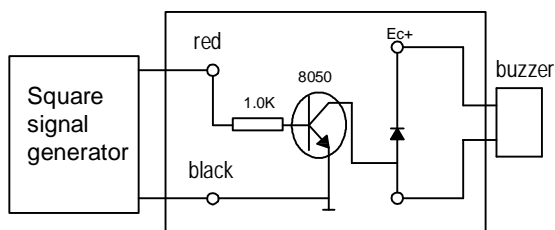
a)rated voltage applied ,square-wave,frequency 2048Hz,50% duty

b)rated voltage applied ,sine-wave,frequency 2048Hz,measuring current 60 μA

1.2 Test method:

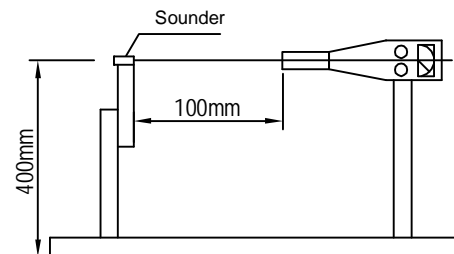
1.31 Recommended Circuit

the following are examples of externally driven circuits.



1.32. Standard text Fixture

No reaction in space with in 400mm in all direction



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A	01/05/20	魏奉玲		Checked by:	徐波	Transducer	
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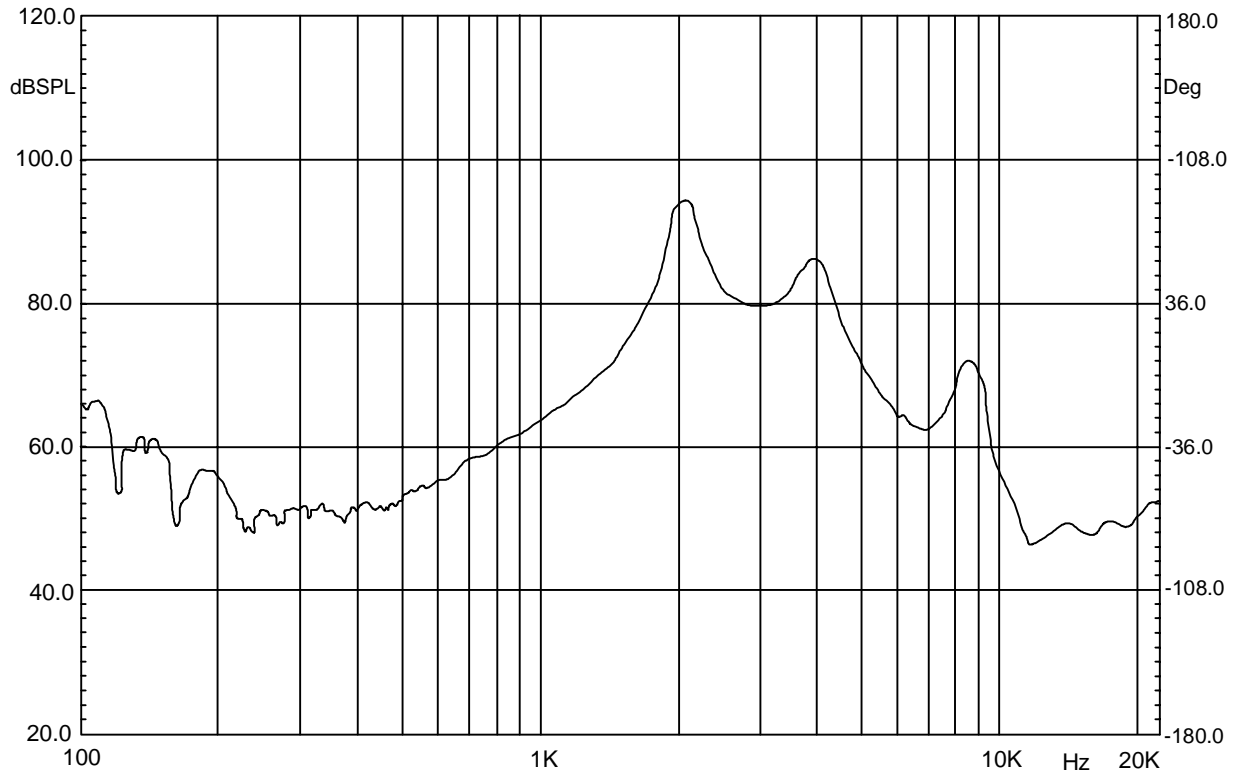
2

1

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1.3 Frequency response (square wave 6Vo-p 10cm)

MLS-Frequency Response

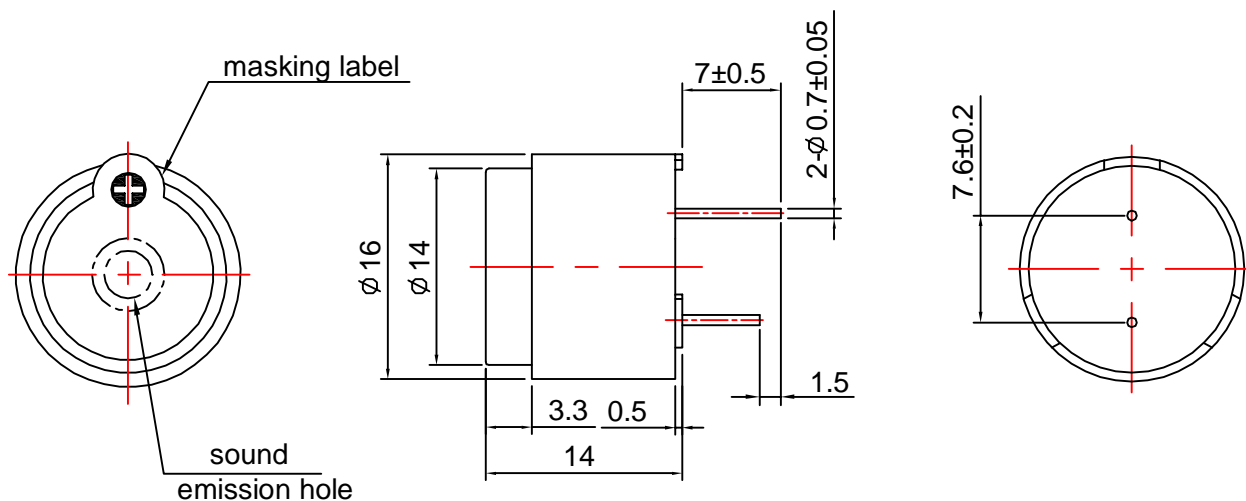


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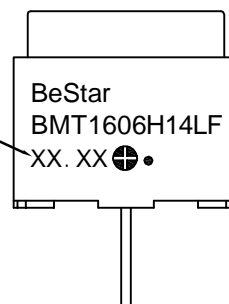
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2. Dimension



Remark:
Color of printing:golden
"XX . XX" means "week.year"



Tolerance: $\pm 0.3\text{mm}$

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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

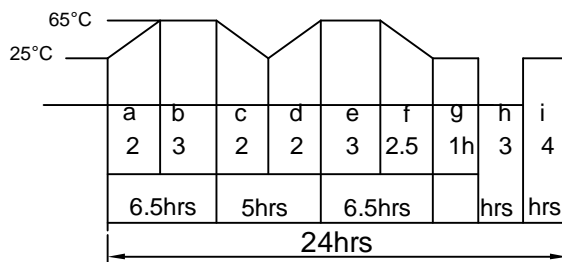
3.4 temperature cycle test

Cycles 10



3.5 Humidity cycle test cycles

10



a,b,c,d,e,f,g90%...98%RH
 c,g80%...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)
 Times 3

3.7 Solderability

Temperature 255±5°C
 Times 3±0.5sec

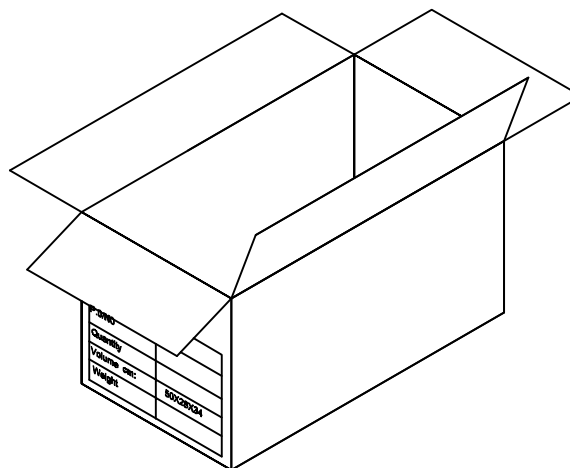
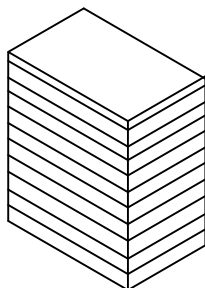
Notice: All specification must be satisfied in this condition except SPL.SPL shall be 82dB or more

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4. Packing



- 1)50pcs/tray
- 2)40trays/carton
- 3)2000 pcs/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 product set 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 delivery under the conditions of a sealed and an unopened package. Please use the products within six months after delivery.

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			01/05/20	魏奉玲	陶红仲
B		ROHS	07/10/12	魏奉玲	陶红仲

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