



SPECIFICATION
FOR ELECTRO-MAGNET TRANSDUCER

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Customer		Model Name	BMT1612XH14-01 LF
Customer P/N		Product No.	020305
Date	03 Nov.11	Issue No.	BS/TET01.691A
Page	01 of 06	Issue Date	11/11/03

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	魏奉玲	张秀琴	

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BMT1612XH14-01 LF



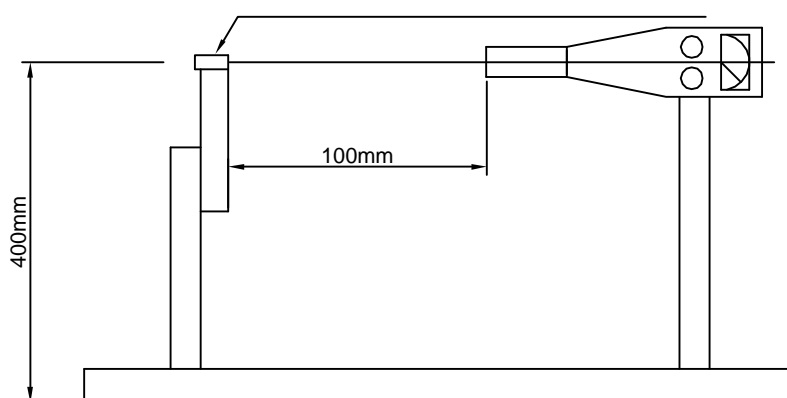
1.Characteristics

No.	Item	Specifications
1	Operating Voltage (VDC)	8...15V
2	Rated Voltage (VDC)	12V
3	* Sound Output at 10cm	≥ 90dB
4	* Resonant Frequency	2300±300Hz
5	* Rated Current	≤30mA
6	** Response Time	≤50ms
7	Operating Temperature	-40...+85℃
8	Storage Temperature	-40...+85℃
9	Weight	7g
* Value applying rated voltage (DC)		
** Value applying min operating DC voltage		

1.2 Standard test Fixture :

★Standard Output Measurement Setup

Buzzer(Sound Transducer)

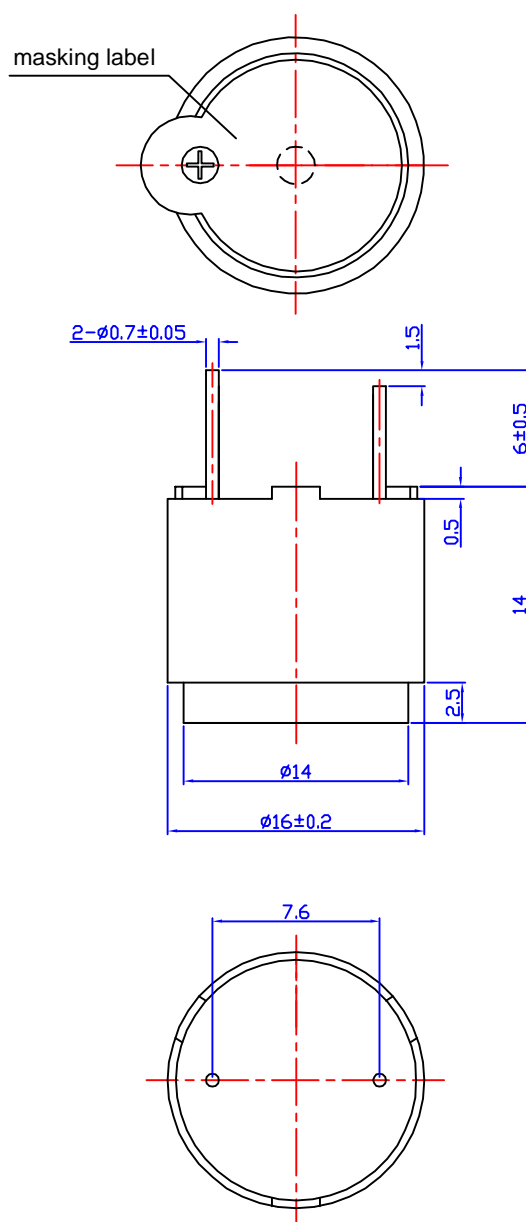


No reaction in space with in 400mm in all direction

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A	11/11/03	常琦		Checked by:	魏奉玲	Transducer
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2.Dimension



Tolerance:± 0.3mm

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3. Reliability test

3.1 High temperature test

Temperature

+85℃

Duration

96hrs

3.2 Low temperature test

Temperature

-40℃

Duration

96hrs

3.3 life test in normal temperature

Power supply

rated voltage

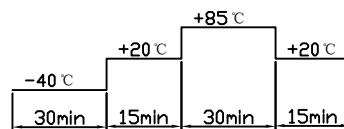
Duration

1000hrs

3.4 Temperature cycle test

Cycles

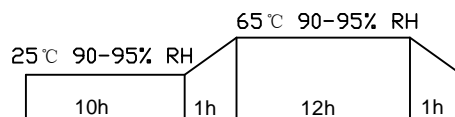
5



3.5 Humidity cycle test

Cycles

10



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

3.6 Drop Test

Height

100cm(to 10mm thickness woodenboard)

Direction

3

3.7 Solderability test

Solderability temperature

255±5℃

Direction

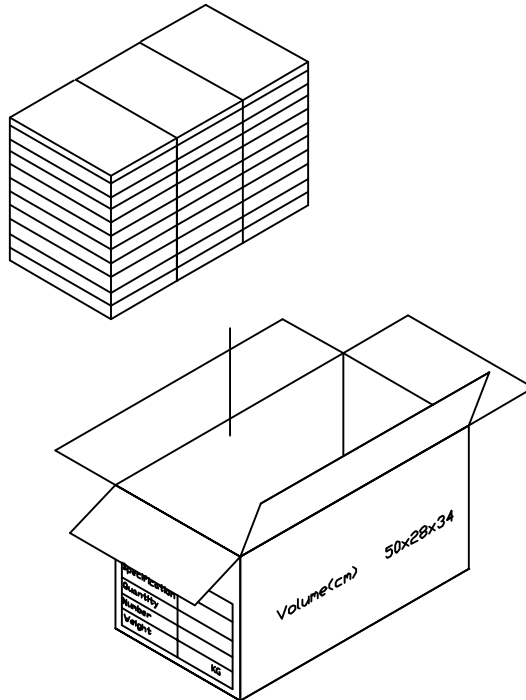
3±0.5S

Notice: All specification must be satisfied in this condition except SPL.SPL shall be 80dB or more

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4. Packing



Remark:

- 1)50pcs/tray
- 2)40tray/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 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

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