



SPECIFICATION
FOR ELECTRO-MAGNET TRANSDUCER

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Customer		Model Name	BMT1606H14-04 LF
Customer P/N		Product No.	010325
Date	05 Apr.08	Issue No.	BS/TET01.397C
Page	01 of 08	Issue Date	08/04/05

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	陶红仲	张秀琴	

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BMT1606H14-04 LF



1. Characteristics

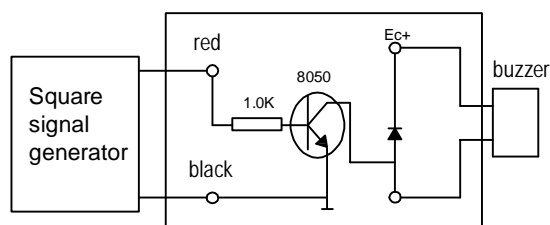
1.1 Electrical and Mechanical Characteristics

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	≥88dB
6	a)Rated Current	≤40mA
7	Resonant Frequency	2048Hz
8	Operating Temperature	-40...+100℃
9	Storage Temperature	-40...+100℃
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:

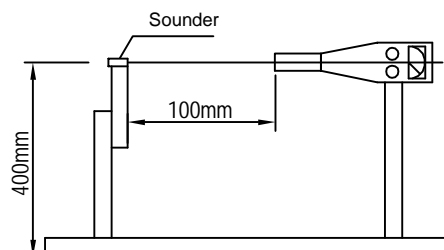
1.31 Recommended Circuit

the following are examples of externally driven circuits.



1.32 Standard test Fixture

No reaction in space with in 400mm in all direction



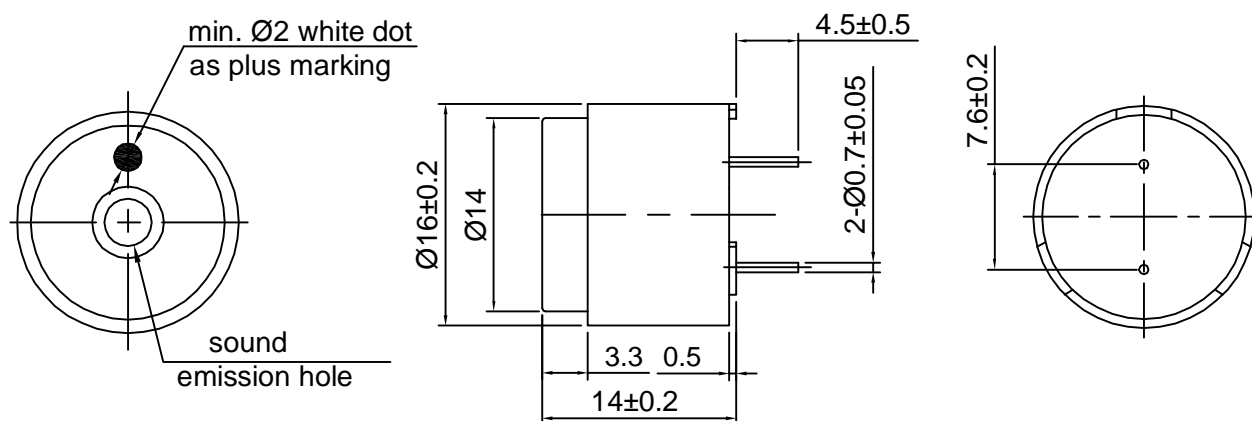
C	08/04/05	魏奉玲	remove label,pins'length, magazine packing	Date:	08/04/05	BMT1606H14-04 LF
B	08/03/18	魏奉玲	add white pot	Drawn by:	魏奉玲	
A	07/08/07	魏奉玲		Checked by:	陶红仲	
Rev.	Date	Drawn	Note	Approved by:	张秀琴	Transducer
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1.3 Frequency response (square wave 6V_{o-p} 10cm)

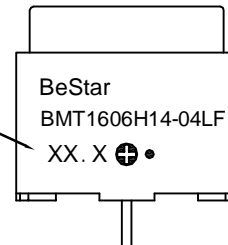
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2. Dimension



Remark:
Color of printing: yellow
"XX . X" means "year.month"
E.g : Jan, 2007 is "07.A "



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

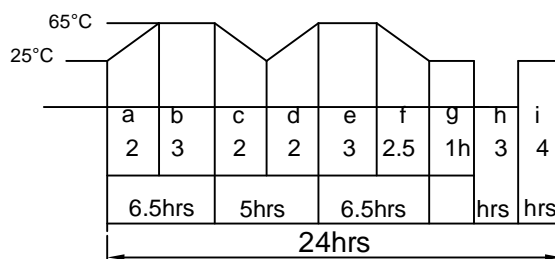
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3. Reliability test

Cycles	10
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cycles	10
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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.

Temperature	255±5°C
Times	3±0.5sec

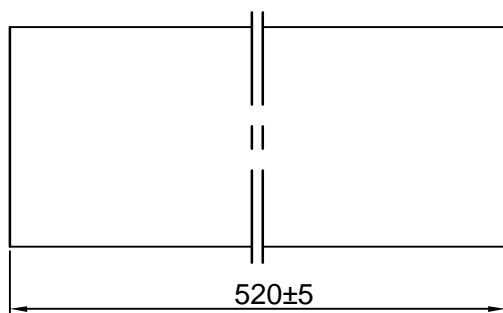
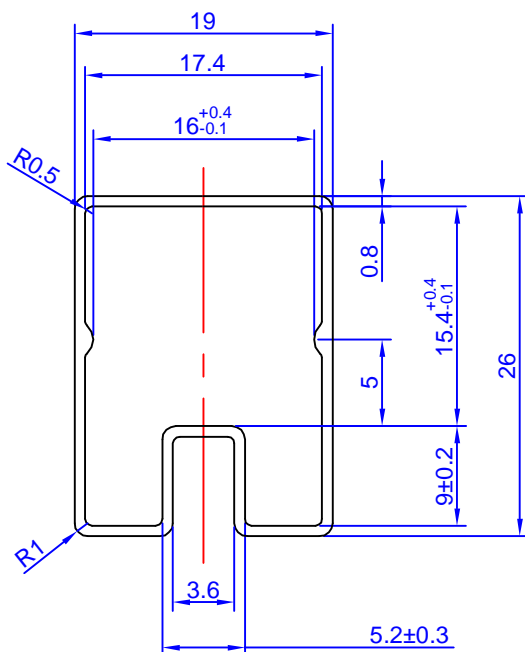
Notice: All specification must be satisfied in this condition except SPL.SPL shall be 88dB or more

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4. Packing

4.1 packing drawing (unit:mm)

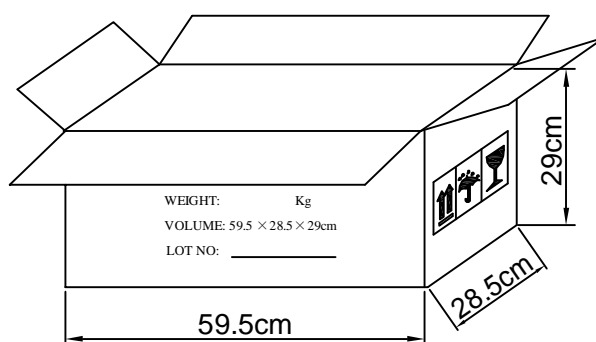
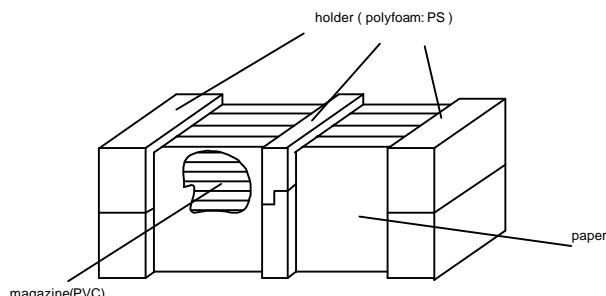


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4.2 packing quantity



- 4.21 31 pcs/magazine
- 4.22 88magazines/carton
- 4.23 2728 pcs/carton in total
- 4.24 carton size 59.5X28.5X29 cm

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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