



SPECIFICATION
FOR ELECTRO-MAGNET TRANSDUCER

TOTAL PAGE 06 <http://www.bestargroups.com> RoHS

Customer		Model Name	BMT1205XH9.5 LF
Customer P/N		Product No.	020100
Date	12 Apr.2018	Issue No.	BS/TET01.013E
Page	01 of 06	Issue Date	2018/04/12

Approval:

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

Drawn by	Checked by	Approved by	Customer approved
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BMT1205XH9.5 LF

1.Characteristics

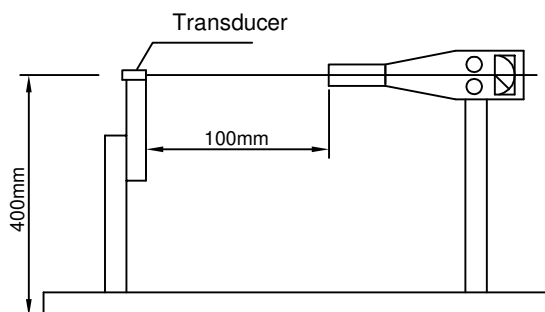


1.1Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Operating Voltage	4...6.5V
2.	a)Rated Voltage	5V
3.	a)Rated Current	≤30mA
4.	a)Sound Output at 10cm	≥85dBA
5.	b)Resonant Frequency	2300±300Hz
6.	Response Time	≤50ms
7.	Operating Temperature	-25~+80°C
8.	Storage Temperature	-30~+80°C
9.	Weight	2g
a)Value Applying Rated Voltage(DC)		
b)Value Applying Min.Operational Voltage(DC)		

1.2 Standard Output Measurement Setup

No reaction in space with in 400mm in all directions

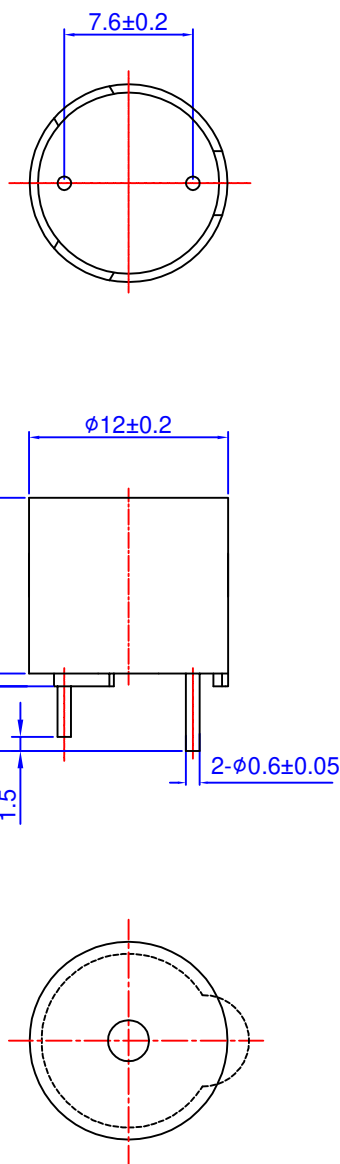


Standard Conditions
 Temperature: 17-25 °C
 Relative Humidity: 45~85%(RH)
 Air Pressure: 860~1060hPA

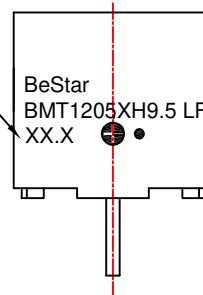
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D	2017/09/04	周吕辉	Update the text template	Drawn by:	周吕辉		
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2.Dimension



Remarks:
 color of printing:golden
 "XX.X" means "year.month"
 e.g: "Apr.2018" is "18.D"



Unit: mm Tolerance: ± 0.2

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3. Reliability test

3.1 High temperature test

Temperature +80°C
Duration 96hrs

3.2 Low temperature test

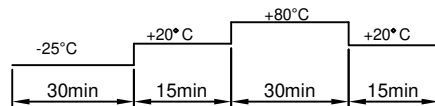
Temperature -25°C
Duration 96hrs

3.3 Life test in normal temperature

Power supply rated voltage
Duration 1000hrs

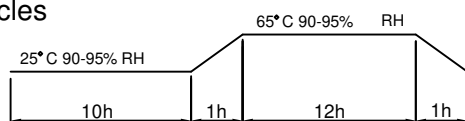
3.4 Temperature cycle test

Cycles 5



3.5 Humidity cycle test

Cycles 5



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

3.7 Solderability test

Solderability temperature 255±5°C
Heat applying time 3±0.5sec

Notice: After the test the part shall meet specifications without any degradation and performance except S.P.L, S.P.L shall be 83dB or more.

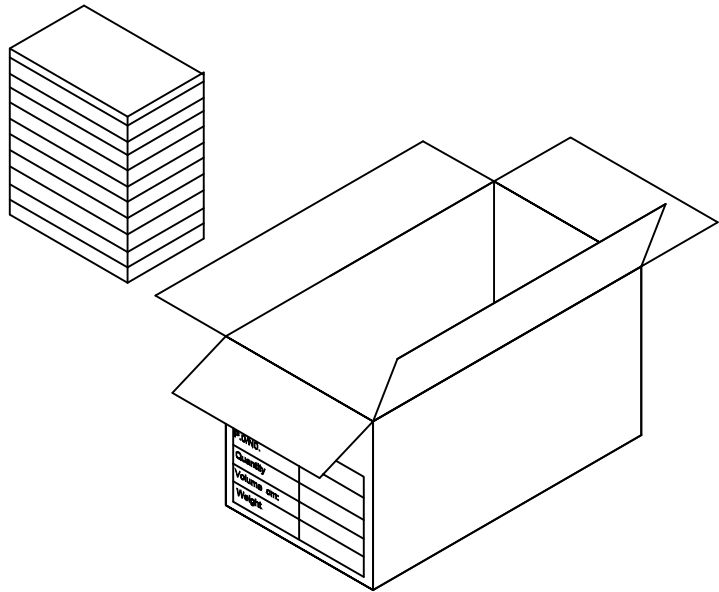
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4. Packing

Packing drawing(unit:mm)



- 1)100pcs/tray
- 2)30trays/carton
- 3)3000 pcs/carton in total
- 4)carton size 50x27x26cm

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			2001/05/10	王善梅	郭 敏
B			2005/07/25	王善梅	郭 敏
C		RoHS	2010/07/11	陈兴中	张秀琴
D		Update the text template	2017/09/04	周吕辉	徐金国
E		Update the printing	2018/04/12	周吕辉	赵 峥

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