	SPECIFICATION FOR ELECTRO-MAGNET TRANSDUCER		
	TOTAL PAGE	07	www.be-star.com
			RoHS

Customer		Model Name	BMT0903XH5.5 LF
Customer P/N		Product No.	020410
Date	24 Apr.12	Issue No.	BS/TET01.707A
Page	01 of 07	Issue Date	12/04/24

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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BMT0903XH5.5 LF



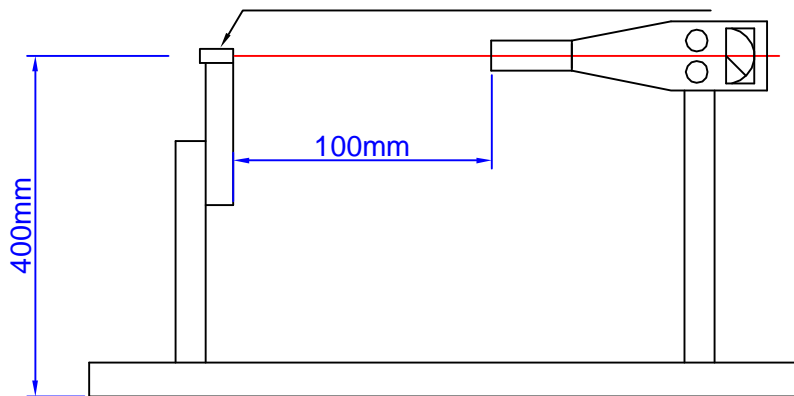
1.Characteristics

No.	Item	Specifications
1	Operating Voltage(VDC)	2...4V
2	Rated Voltage(VDC)	3V
3	* Sound Output at 10cm	$\geq 80\text{dB}$
4	* Resonant Frequency	$2800\pm 300\text{Hz}$
5	* Rated Current	$\leq 30\text{mA}$
6	Operating Temperature	$-25\ldots+70^{\circ}\text{C}$
7	Storage Temperature	$-20\ldots+80^{\circ}\text{C}$
8	Weight	$\leq 1\text{g}$
* Value applying rated voltage (DC)		

1.2 Standard test Fixture :

★Standard Output Measurement Setup

Buzzer(Sound Transducer)

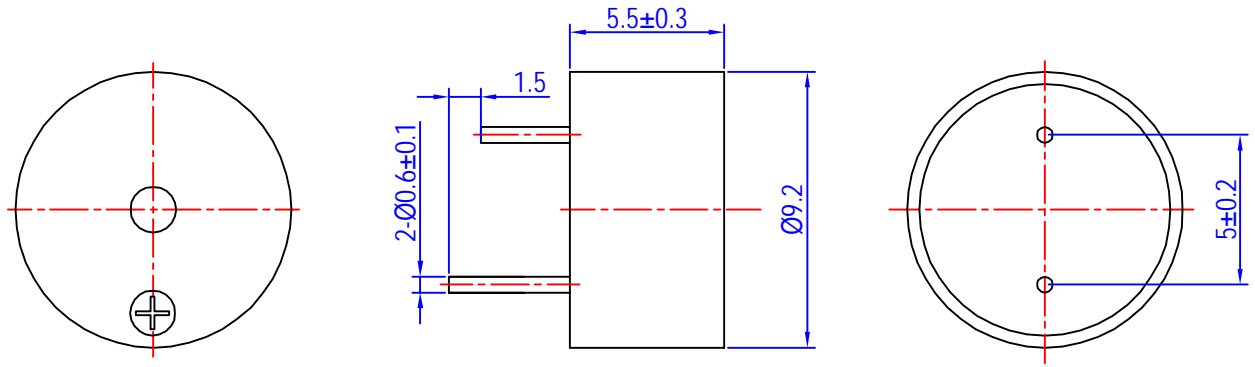


No reaction in space with in 400mm in all direction

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A	12/04/24	常琦		Checked by:	魏奉玲	Transducer	
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2.Dimension



Tolerance:±0.2mm

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BMT0903XH5.5 LF

3. Reliability test

3.1 life test in normal temperature

Power supply

rated voltage

Duration

96hrs

3.2 High temperature storage test

Temperature

+80℃

Duration

96hrs

3.3 High temperature life test

Power supply

rated voltage

Temperature

+70℃

Duration

24hrs

3.4 Low temperature storage test

Temperature

-20℃

Duration

96hrs

3.5 Low temperature life test

Power supply

rated voltage

Temperature

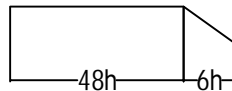
-25℃

Duration

24hrs

3.6 Humidity test

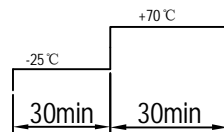
40±3℃ 90-95% RH



3.7 Temperature cycle test

Cycles

100



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

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3.8 Drop test		
Height	120cm(to 5mm thickness woodenboard)	
Direction	6	
3.9 Vibration Test		
Vibration Speed	10-55Hz	
Amplitude	1.5mm	
Duration x,y&z directions	30min	
3.10 Solderability test		
Soldering temperature	255±5 ℃	
Direction	3±0.5S	

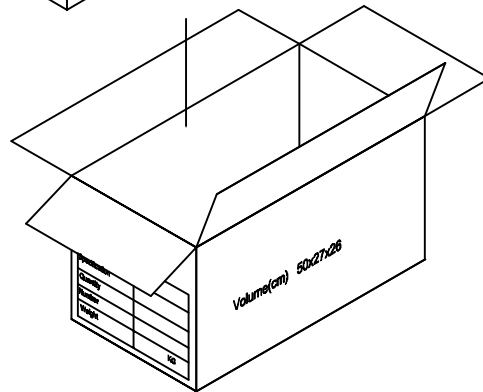
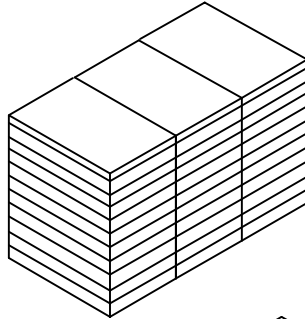
Notice: All specification must be satisfied in this condition except SPL.SPL shall be 75dB or more

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4. Packing



Remark:

- 1)100pcs/tray
- 2)30tray/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

[illegible]

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