SPECIFICATION
For Electro-Magnet Transducer

Customer	
Customer P/N	
BeStar Model Name	BMT1205XH9.5-01LF
Product No.	020115
Issue No.	BS/TET01.487A
Issue Date	07.7.14

Approval:

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

Drawn by	Checked by	Approved by	Customer approved

For conform to the European Union Directive on the Restriction of Hazardous Substances(RoHS), this type of productions forbid use all the hazardous substances as follow:
Lead
Cadmium
Mercury
Hexavalent chromium
Polybrominated biphenyls (PBB)
Polybrominated diphenyl ethers (PBDE)

Bestar Acoustic
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BMT1205XH9.5-01LF



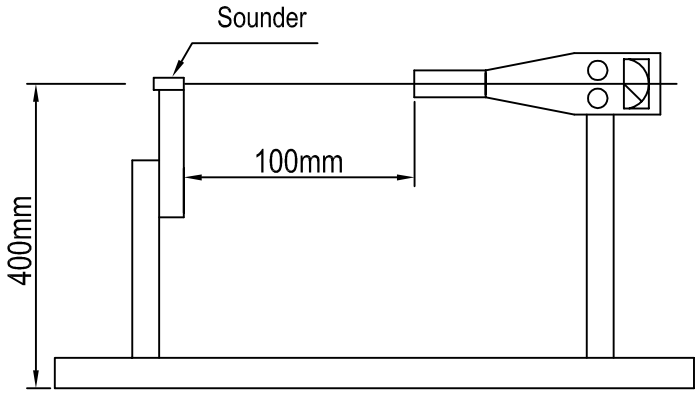
1.Characteristics

1.1Technical terms

No.	Item	Specifications
1	Operating Voltage	4...7Vp-p
2	Rated Voltage	5Vp-p
3	Sound Output at 10cm	≥ 82dB
4	Resonant Frequency	2300± 300Hz
5	Rated Current	≤30mA
6	Operating Temperature	-25...+70 ° C
7	Storage Temperature	-30...+85 ° C
8	Weight	2g
9	Housing material	SEIGFN3
Value applying rated voltage		

1.2 Standard test Fixture :

No reaction in space with in 400mm in all direction

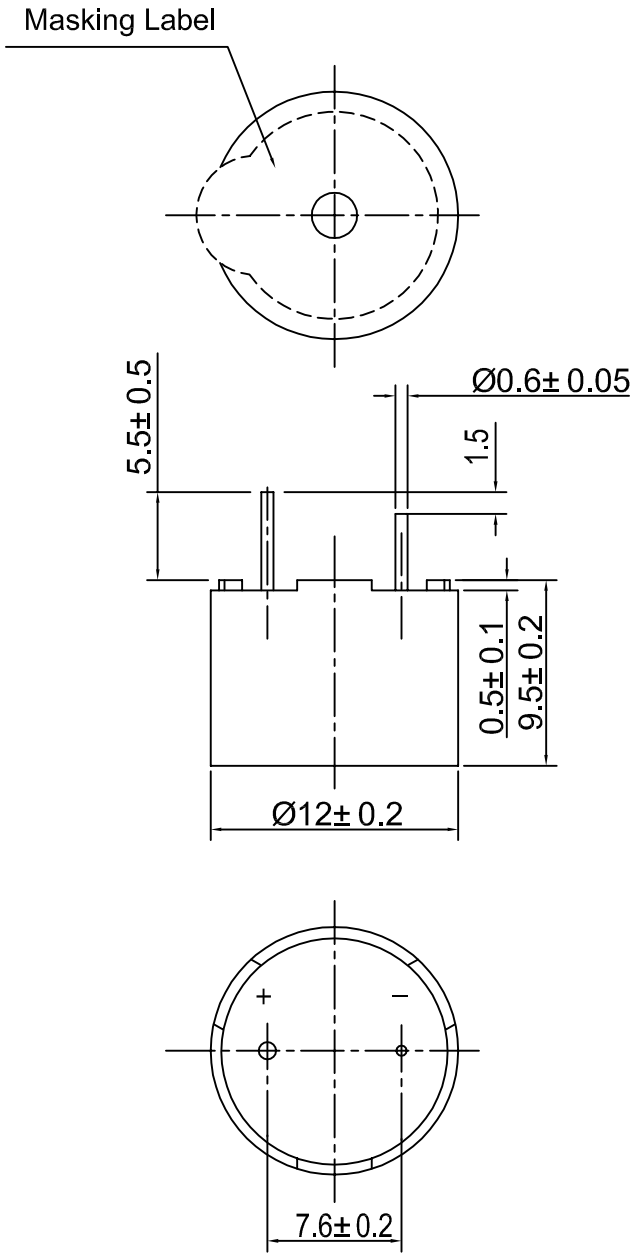


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A	07.7.14	韩学慧		Checked by:	朱成兴	Transducer
Rev.	Date	Drawn	Note	Approved by:	程久生	
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2.Dimension



Unit: mm

Tolerance:± 0.5mm

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3. Reliability test

3.1 high temperature test

Temperature	+85 ℃
Duration	96hrs

3.2 low temperature test

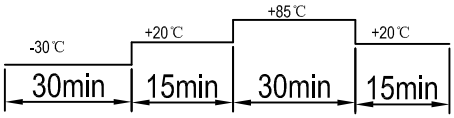
Temperature	-30 ℃
Duration	96hrs

3.3 life test in normal temperature

Power supply	rated voltage
Duration	1000hrs

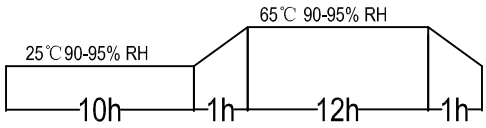
3.4 temperature cycle test

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

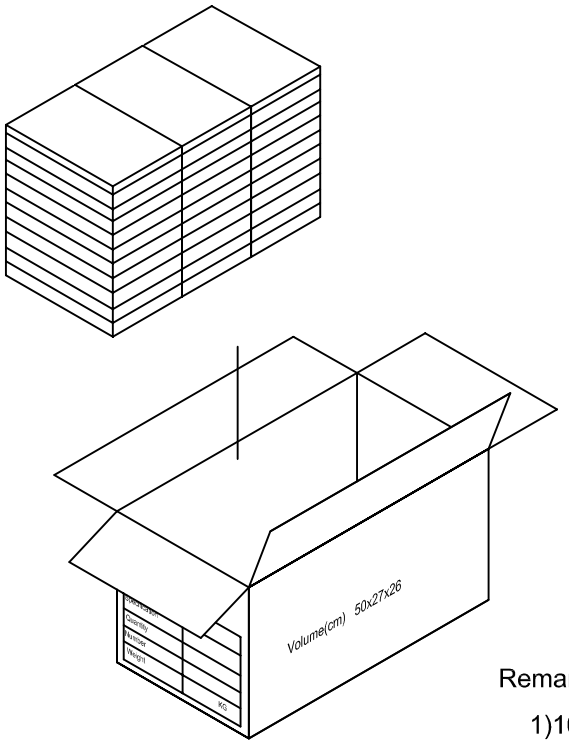
3.7 Solderability test

Soldering temperature	245 ± 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)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 suchplaces 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 deliveried under the conditions of a sealed and an unopened package. Please use the products within six months after deliveried.

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			07.7.14	韩学慧	程久生

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				Date:	07.7.14
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