SPECIFICATION FOR PIEZO ELECTRIC SOUNDER

Customer	
Customer P/N	
BeStar Model Name	F-B-P3009EPB-01 LF
Product No.	032202
Issue No.	BS/TEP01.115B
Issue Date	06/06/05

Approval:

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

Drawn by	Checked by	Approved by	Customer approved

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)



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F-B-P3009EPB-01 LF

1. Characteristic:

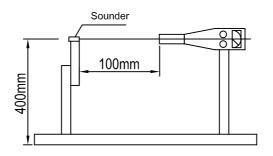
1.1 Electrical and Mechanical Characteristics



Item	Specification
Rated Voltage(Square Wave)	9Vp-p
Operating Voltage	1-30Vp-p
*Rated Current	max.5mA
*Sound Output at 10cm ,2500Hz	min.90dB
Resonant Frequency	2500Hz
Capacitance at 120Hz	20000± 30% pF
Operating Temperature	-40+85° C
Storage Temperature	-40+85° C
Weight	5g
*Value applying at rated voltage.	

1.2 Test method:

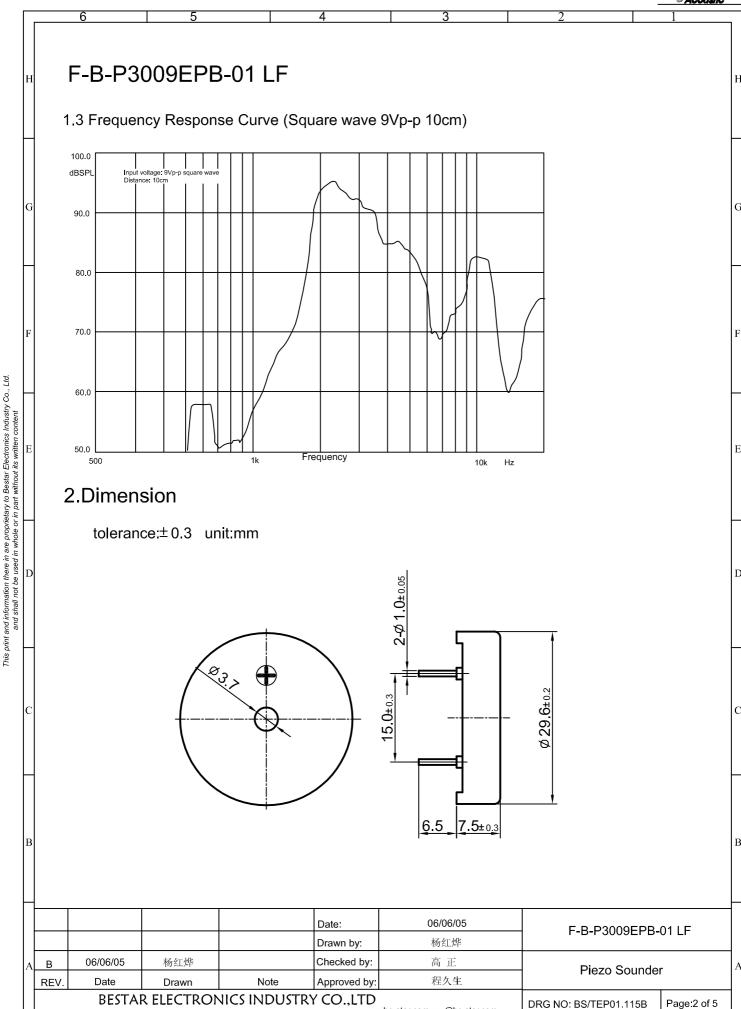
No reaction in space with in 400mm in all direction



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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 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.
- (3) Please do not drop the products to avoid cracking of ceramic element.

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