SPECIFICATION FOR PIEZO ELECTRIC SOUNDER

Customer	
Customer P/N	
BeStar Model Name	BSP1109-05H1.7 LF
Product No.	056400
Issue No.	BS/TEP01.448B
Issue Date	07/06/15

Approval:

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

Drawn by	Checked by	Approved by	Customer approved
杨红烨	韩学慧	程久生	

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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BSP1109-05H1.7 LF

1. Characteristics

1.1 Features

- 1. SMD; thinner, smaller size
- 2. High S.P.L.; and clear sound
- 3. Reflowable;RoHS complant
- 4. Tape & Reel supply
- 5. Minimum quantity (one reel): 1000 pcs.

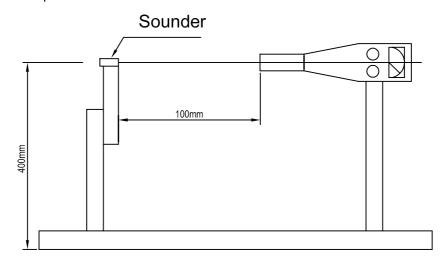


1.2 Electrical and Mechanical Characteristics

No.	Item	Specification						
1.	Rated Voltage(Square Wave)	5 Vp-p						
2.	Operating Voltage	125Vp-p						
3.	a)Rated Current	max.1mA						
4.	Capacitance at 120Hz	10± 30%nF						
5.	a)Sound Output at 4.1KHz,10cm	Min.70dB(after reflow no changes)						
6.	Resonant Frequency	4.1 KHz						
7.	Operating Temperature	-20+70 ° C						
8.	Storage Temperature	-30+80 ° C						
9.	Weight	1.6g ± 25%						
	a)Value applying at rated voltage.(5Vp-p square wave,1/2duty)							

1.3 Standard test Fixture

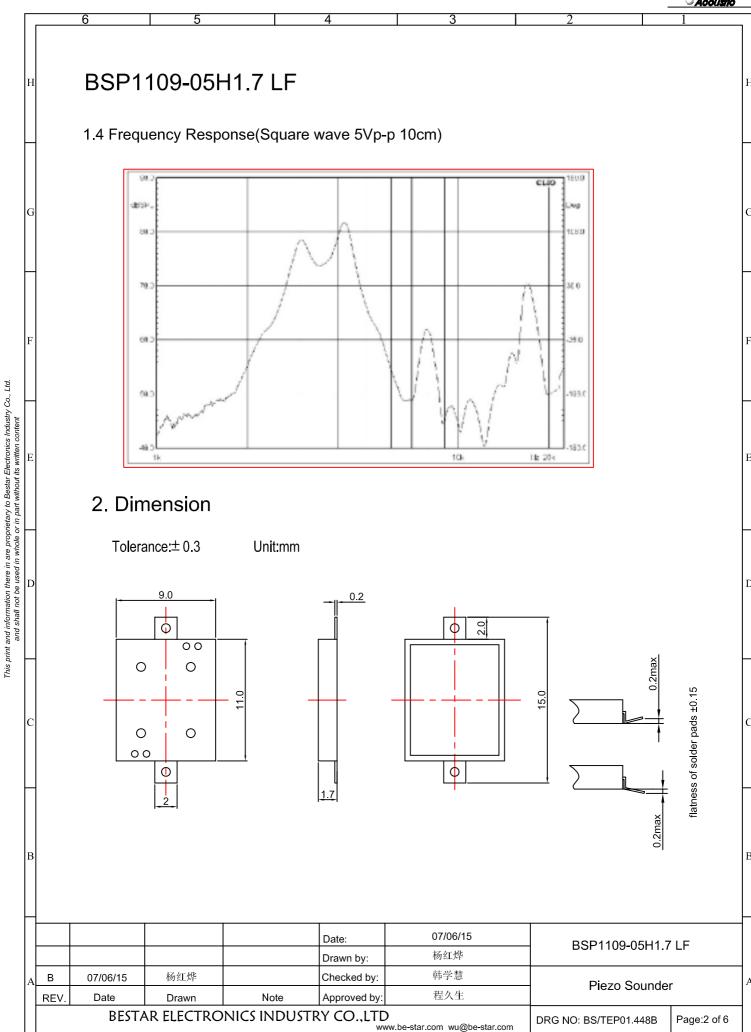
No reaction in space with in 400mm in all direction



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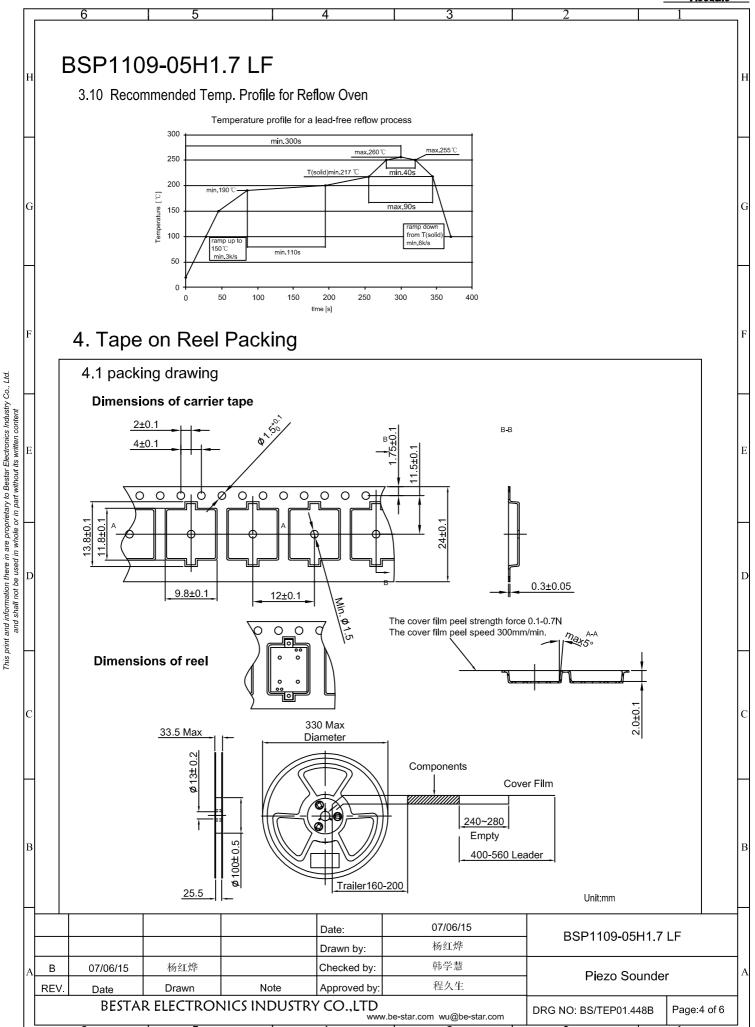


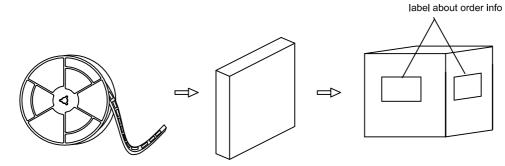
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4.2 packing quantity

- 4.21 2500pcs/reel
- 4.22 5reel/carton
- 4.23 12500 pcs/carton in total
- 4.24 carton size 38x28x37cm

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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BSP1109-05H1.7 LF

6. History change record

version _	Char	nge Items	Date	Drawn	Approved	
No.	Before	After	Date	Diawii	Approved	
А			06/11/30	杨红烨	程久生	
В	packing quantity 1000 pcs / reel	packing quantity 2500 pcs / reel	07/06/15	杨红烨	程久生	

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