SPECIFICATION FOR PIEZO ELECTRIC SOUNDER

Customer	
Customer P/N	
BeStar Model Name	BSP1313-05H2.5 LF
Product No.	055900
Issue No.	BS/TEP01.086A
Issue Date	06/03/20

Approval:

- 1.Characteristics
- 2.Dimension
- 3. Reliability Test
- 4. Tape on Reel Packing
- 5.MSL rating and 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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BSP1313-05H2.5 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.



Colour: black

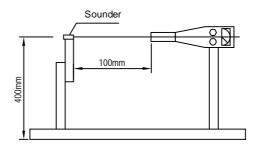
1.2 Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Rated Voltage(Square Wave)	5 Vp-p
2.	Operating Voltage	125Vp-p
3.	a)Rated Current	max.5mA
4.	Capacitance at 120Hz	16± 30%nF
5.	a)Sound Output at 4.1KHz,10cm	Min.75dB
6.	Resonant Frequency	4.1±0.5 KHz
7.	Operating Temperature	-40+105 ° C
8.	Storage Temperature	-40+105 ° C
9.	Weight	0.5g ±25%
	a)Value applying at rated voltage.(5	Vp-p square wave,1/2duty)

1.3 Test method:

Standard test Fixture

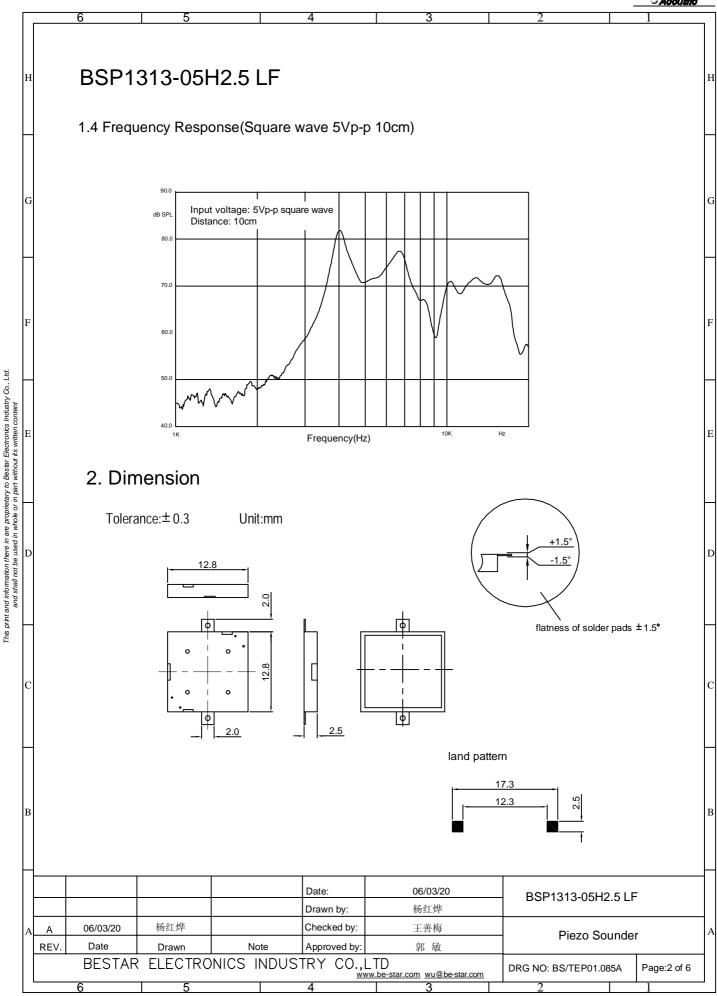
No reaction in space with in 400mm in all direction



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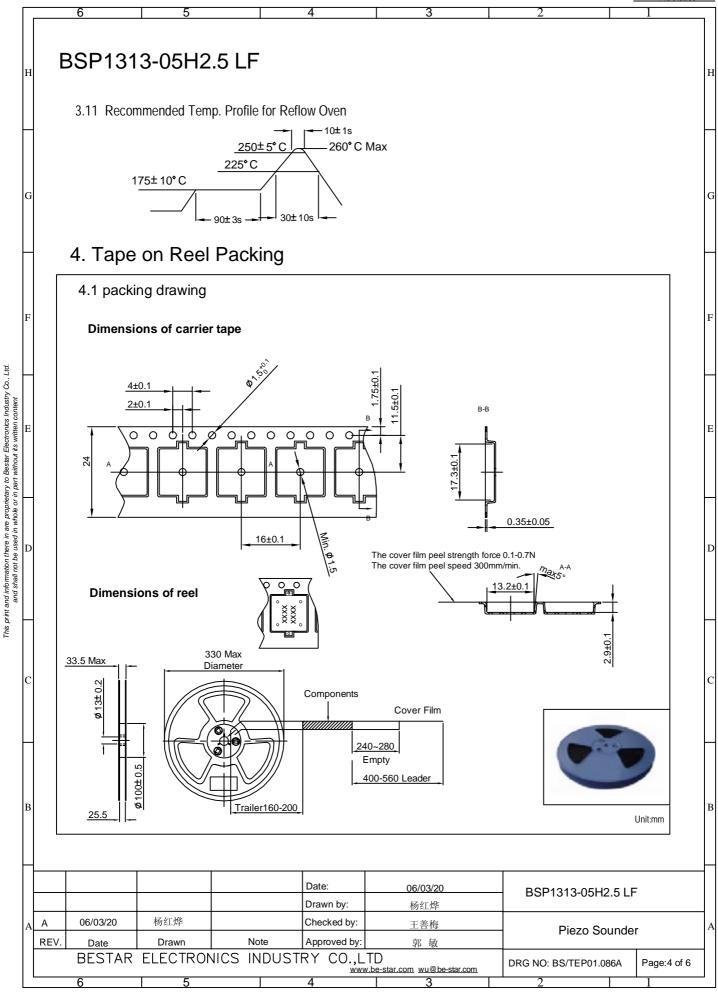
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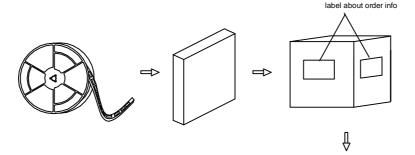






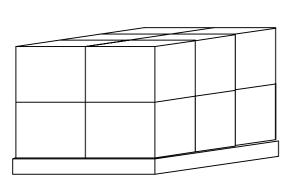


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4.2 packing quantity

- 4.21 1000pcs/reel
- 4.22 5reel/carton
- 4.23 5000 pcs/carton in total
- 4.24 carton size 38x28x37cm
- 4.25 12carton/tray
- 4.26 tray size 85x77x74cm



5.MSL rating and Notice

Level	Floor Life(out of bag) at Factory Ambient ≤30°C/60% RH or as Stated
2	1 year

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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