SPECIFICATION For Electro-Magnet Transducer

Customer	
Customer P/N	SMT-0825-T-R
BeStar Model Name	SMT8585-3.6H04-05LF
Product No.	050220
Issue No.	BS/TET01.430A
Issue Date	07/02/01

Approval:

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

Drawn by	Checked by	Approved by	Customer approved
韩孝慧	邵凱	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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SMT8585-3.6H04-05 LF

1. Characteristics

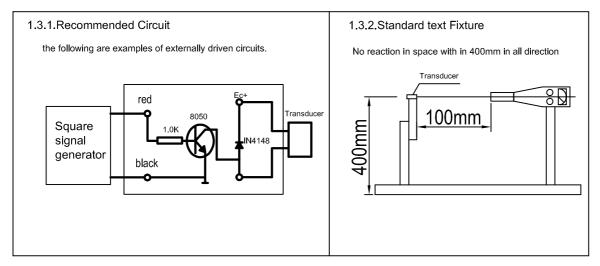
1.1 Features

- 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	Specifications				
1	Rated Voltage	3.6 Vp-p				
2	Operating Voltage	2.54.5 Vp-p				
3	Rated Current	max.90mA				
4	Sound Output (at 10cm)	min.87dB				
5	Resonance Frequency	2500Hz				
6	Coil Resistance	15± 3ohm				
7	Operating Temp.	-30+70℃				
8	Storage Temp.	-40+85°C				
9	Weight	0.6 g				
10	Housing material	LCP				
Current/Sound Output:value applying rated voltage (2500Hz,3.6Vp-p,1/2 duty,squre wave)						

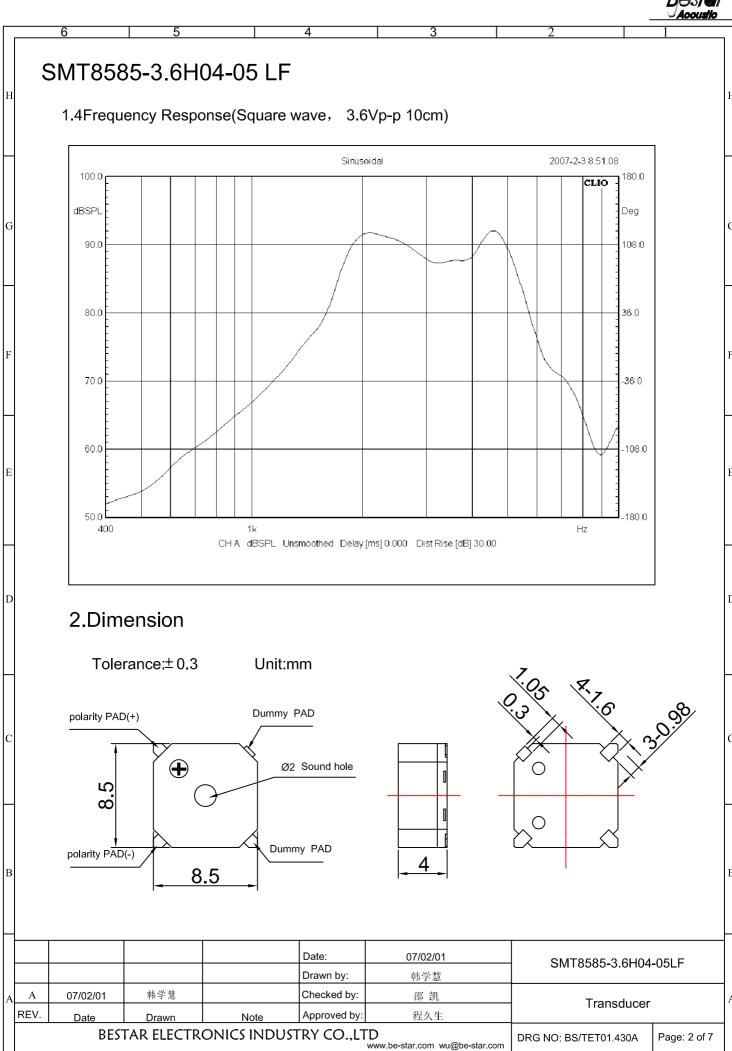
1.3 Test method:



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					Date:	07/02/01	SMT8585-3.6H04-05LF		
					Drawn by:	韩学慧			
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	REV.	Date	Drawn	Note	Approved by:	程久生	Transducer		
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4. Surface Mounting Condition

In automated mounting of The SMD Sound Transducers on printed circuit boards, any bending, expanding and pulling forces or shocks against the SMD Sound Transducers shall be kept minimum to preven them from electrical failures and mechanical damages of the devices.

Soldering(Reflow)

- (1) Solderings of The SMD Sound Transducers shall conform to the soldering conditions in the individual specifications.
- (2) The SMD Sound Transducers are designed for "Reflow Solderings"
- (3)In the reflow solderings,too high soldering temperatures and too large tempearture gradient such as rapid heating or cooling may cause electrical failures and mechanical damages of the devices.

Follwing soldering conditions are recommend; Refer to Fig.1

Temperature profile for a lead-free reflow process

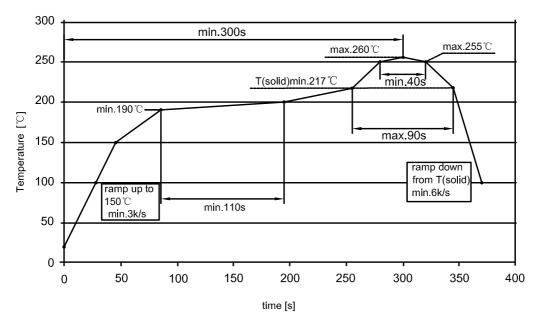


Fig. 1 Recommended soldering Temperature-Time profile (Reflow soldering)

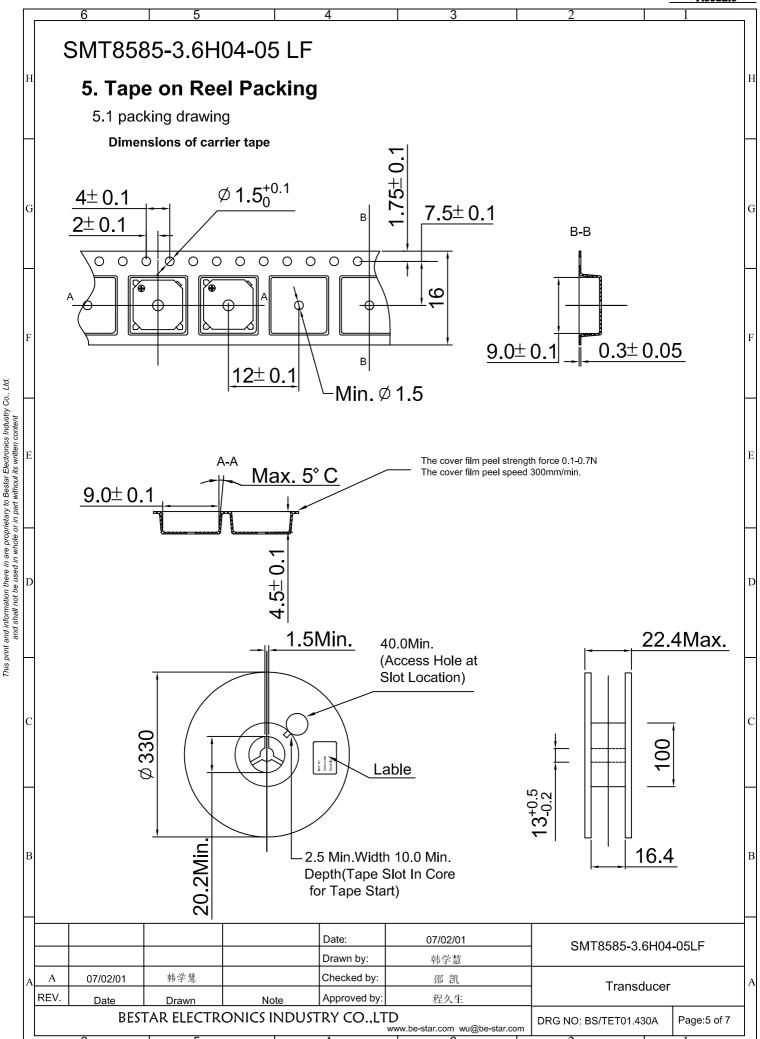
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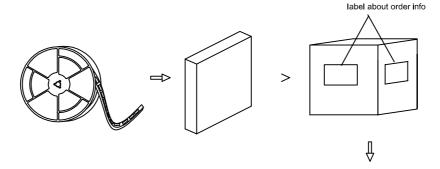
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SMT8585-3.6H04-05 LF



5.2 packing quantity

5.2.1 1000pcs/reel

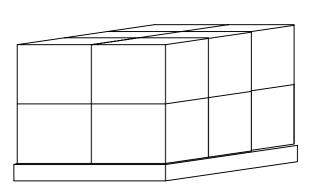
5.2.2 5reel/carton

5.2.3 5000 pcs/carton in total

5.2.4 carton size 38x28x37cm

5.2.5 12carton/tray

5.2.6 tray size 85x77x74cm



6 Notice

6.1 The products mustn't be washed

6.2 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.

6.3 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.

6.4 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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SMT8585-3.6H04-05 LF 7. History change record Change Items version Date Approved Drawn No. Before After Α 07/02/01 韩学慧 程久生 Date: 07/02/01 SMT8585-3.6H04-05LF Drawn by: 韩学慧 07/02/01 韩学慧 Checked by: 邵凯 Transducer REV. Approved by: 程久生 Drawn Note BESTAR ELECTRONICS INDUSTRY CO.,LTD DRG NO: BS/TET01.430A Page 7 of 7 www.be-star.com wu@be-star.com