# SPECIFICATION For Electro-Magnet Transducer

Customer				
Customer P/N				
BeStar Model Name	SMT8585-03H3.6-06LF			
Product No.	050115			
Issue No.	BS/TET01.490A			
Issue Date	07/08/01			

# Approval:

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

Drawn by	Checked by	Approved by	Customer approved
魏奉龄	陶红仲	张考琴	

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 ELECTRONICS INDUSTRY CO.,LTD

No.199 HuangHe West Road.New district, changzhou, jiangsu Province, P.R.China

Tel:86-519-8222567 Fax:86-519-8222551

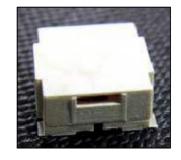
Http:www.be-star.com

E-mail: wu@be-star.com, info@be-star.com

#### 1.1 Features

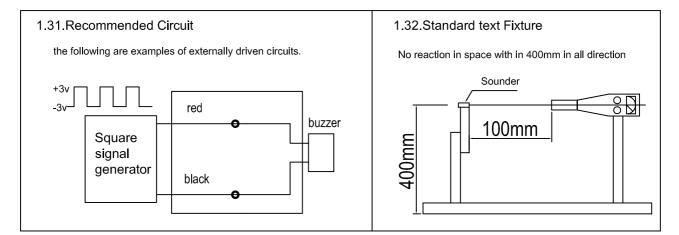
- 1. SMD; thinner, smaller size
- 2. High S.P.L.; and clear sound
- 3. Reflowable;RoHS complant
- 4. Tape & Reel supply
- 5. Minimum quantity (one reel): 1000 pcs.

#### 1.2 Electrical and Mechanical Characteristics



No.	Item	Specifications						
1	Rated Voltage	6Vp-p						
2	Operating Voltage	·						
3	Rated Current	6Vp-p 69 Vp-p max.110mA min.85dB 2730Hz 18±3ohm -40+85°C -40+85°C LCP 0.5 g ying rated voltage :						
4	Sound Output (at 10cm)	min.85dB						
5	Resonance Frequency	2730Hz						
6	Coil Resistance	18±3ohm						
7	Operating Temp.	-40+85°C						
8	8 Storage Temp40+85°C							
9	Housing Material LCP							
10	10 Weight 0.5 g							
Cui	Current/Sound Output:value applying rated voltage :							
	2730Hz,6.0Vp-p,1/2 duty,square wave							

#### 1.3 Test method:



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					Drawn by:	魏奉玲	SW10303-03113.	0-00L1
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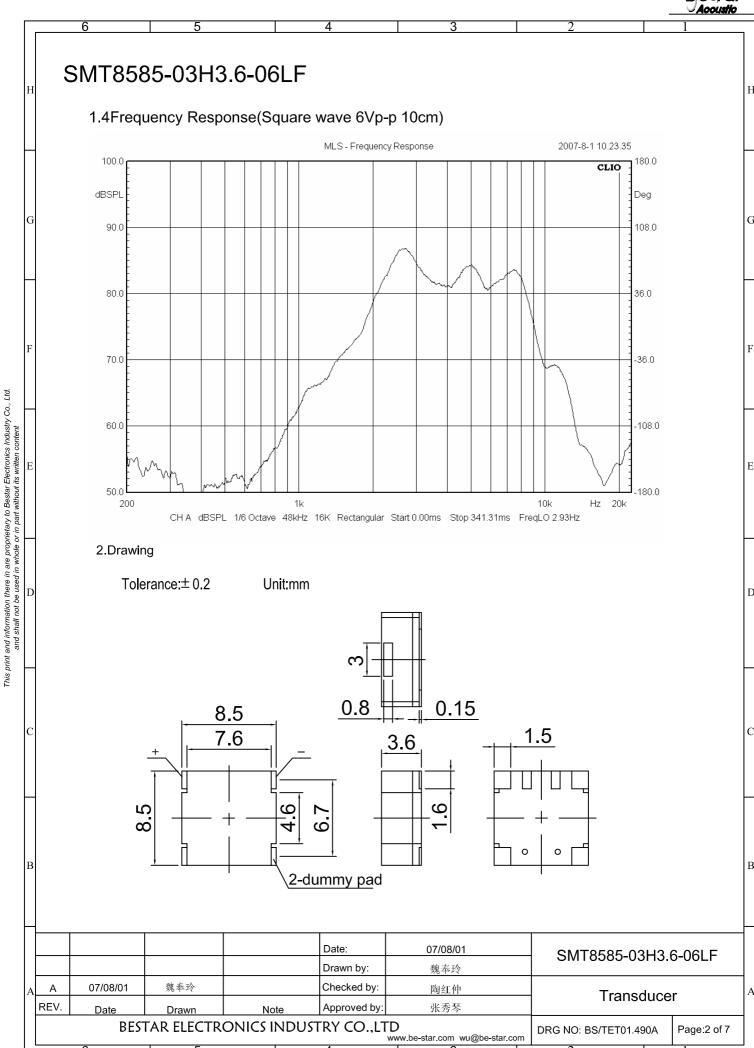
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# SMT8585-03H3.6-06LF

## 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

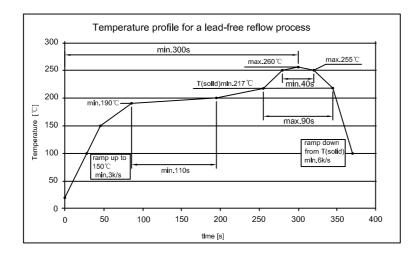
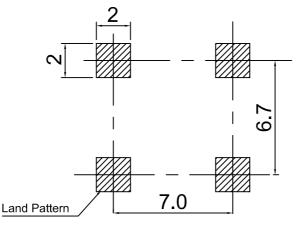


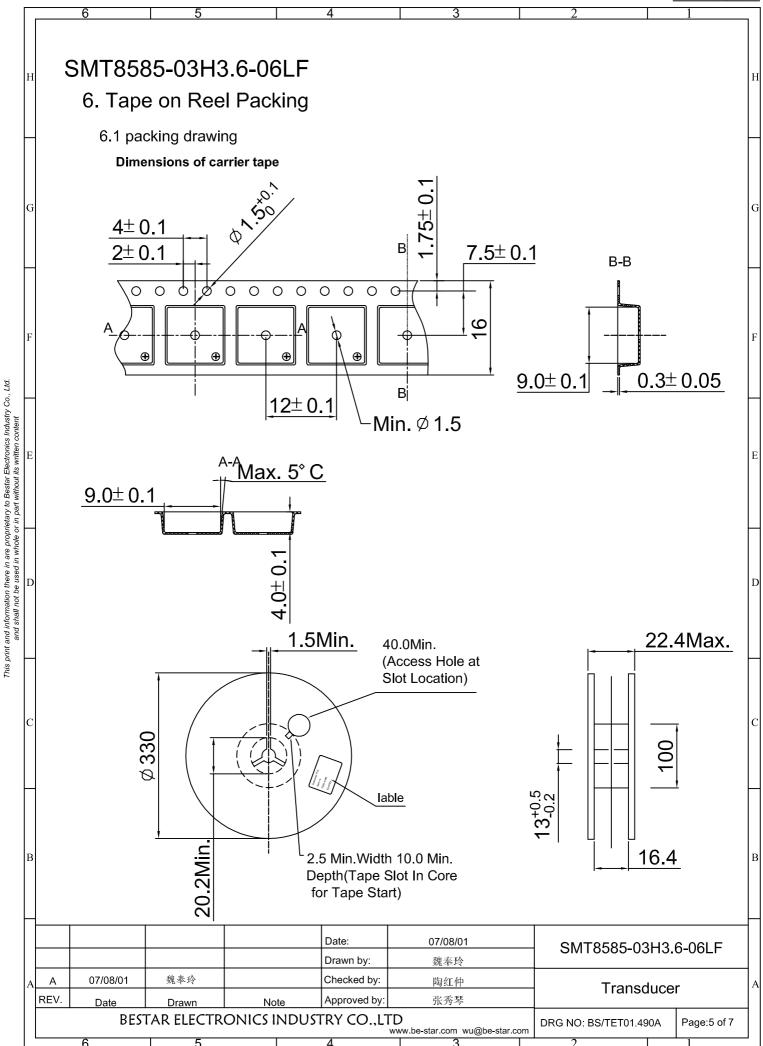
Fig. 1 Recommended soldering Temperature-Time profile (Reflow soldering)

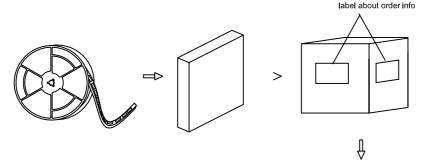
## 5. Soldering Pattern



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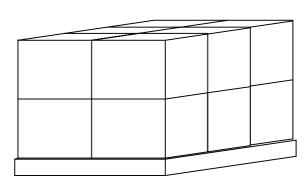
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#### 6.2 packing quantity

- 6.21 1000pcs/reel
- 6.22 5reel/carton
- 6.23 5000 pcs/carton in total
- 6.24 carton size 38x28x37cm
- 6.25 12carton/tray
- 6.26 tray size 85x77x74cm



#### 7. Notice

#### 7.1 The products mustn't be washed

#### 7.2 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.

#### 7.3 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.

#### 7.4 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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8. H	istory ch	nange re	ecord				
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				Date:	07/08/01	SМТ	8585-03H3.6-06LF
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		Drawn	Note	Approved by:		Transducer	

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