SPECIFICATION FOR ELECTRO-MAGNET TRANSDUCER

Customer	
Customer P/N	
BeStar Model Name	SMT7575-03H2.5 LF
Product No.	051100
Issue No.	BS/TET01.117D
Issue Date	07/01/11

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
韩学慧	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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SMT7575-03H2.5 LF 1. Characteristics

1.1 Features

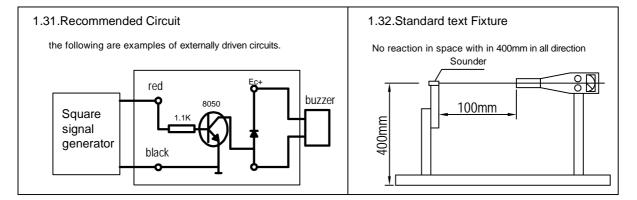
- 1. SMD;thinner, smaller size
- 2. High S.P.L.; and clear sound
- 3. Reflowable; RoHS compliant
- 4. Tape & Reel supply
- 5. Minimum quantity (one reel): 1000 pcs.



1.2 Electrical and Mechanical Characteristics

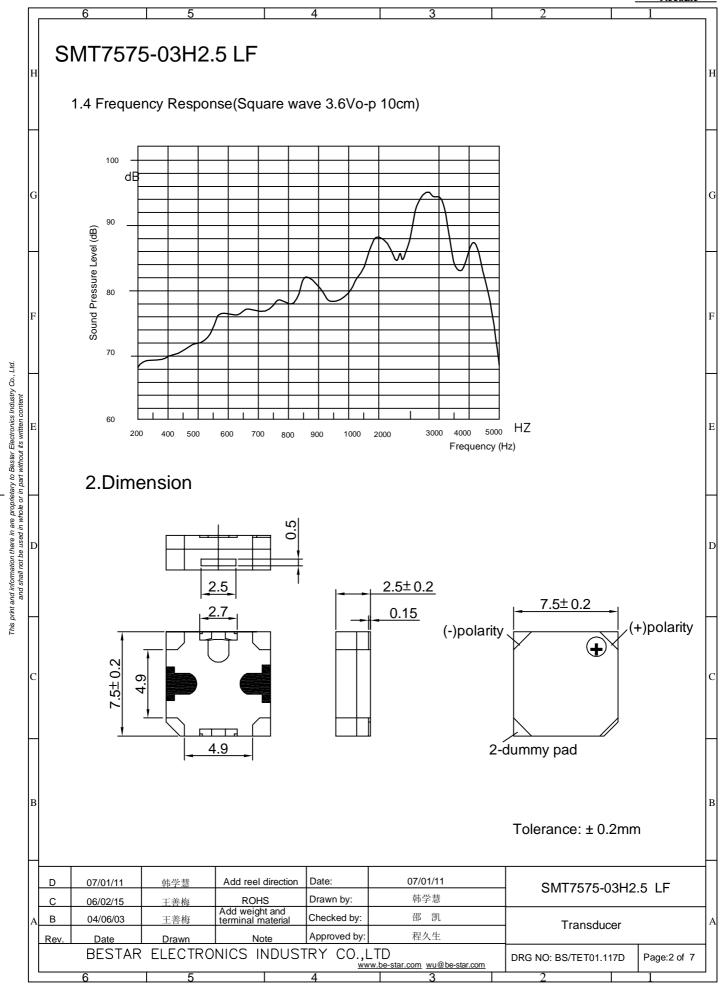
No.	Item	Specifications
1	Rated Voltage	3.6Vo-p
2	Operating Voltage	2.54.5 Vo-p
3	Current	Max.100mA
4	Sound Output (at 10cm)	Min.85dB
5	Rated Frequency	2700Hz
6	Coil Resistance	15±3 ohm
7	Operating Temp.	-40+85°C
8	Storage Temp.	-40+85°C
9	Weight	0.4g
10	Housing material	Black LCP
11	Terminal material	Brass
 ≪Curr	rent/Sound Output:value applying	rated voltage (2700Hz,1/2 duty,square wave)

1.3 Test method:



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	С	06/02/15	王善梅	ROHS	Drawn by:	韩学慧	SIVIT 7373-0	JJI 12.	J LI
A	В	04/06/03	王善梅	Add weight and terminal material	Checked by:	邵凯	Transdu	oor	
	Rev.	Date	Drawn	Note	Approved by:	程久生	Transuu	Cei	
		BESTAR	ELECTRO	NICS INDUS		v.be-star.com wu@be-star.com	DRG NO: BS/TET01.1	17D	Page:1 of 7
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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

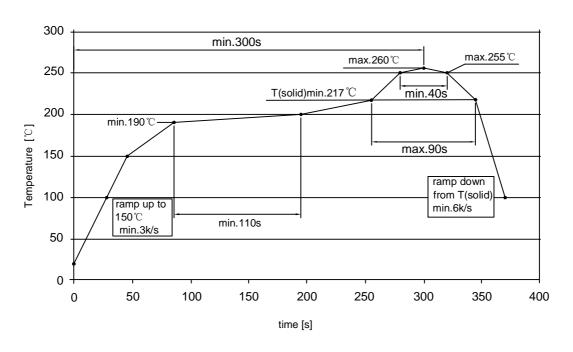
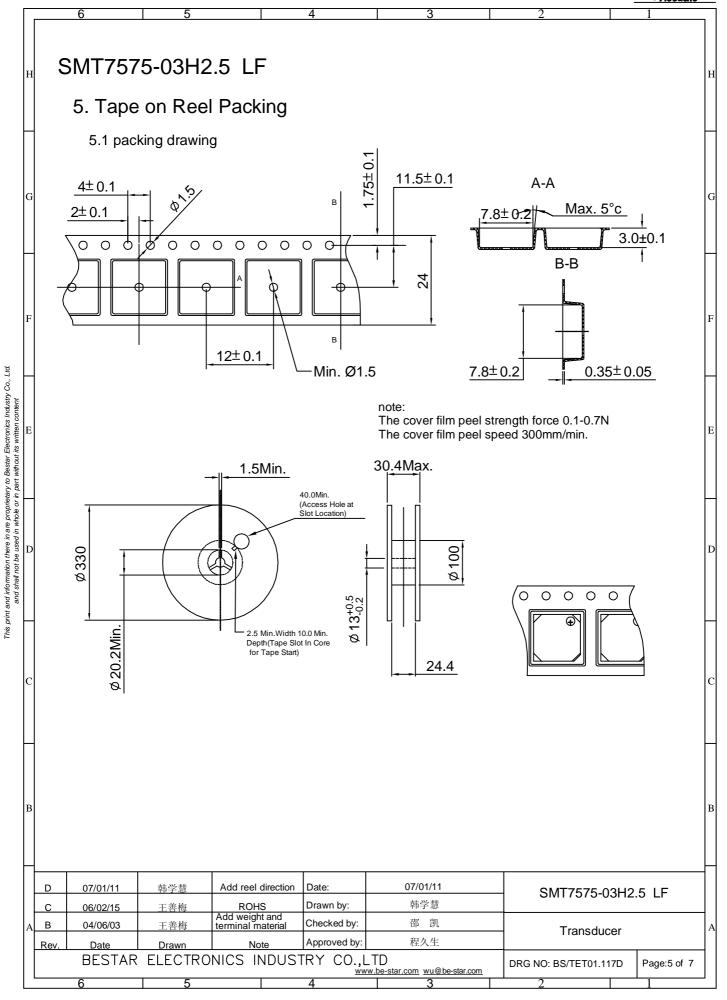


Fig. 1 Recommended soldering Temperature-Time profile (Reflow soldering)

Notice: All specification must be satisfied in this condition except SPL. SPL shall be 82dB or more.

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	Rev.	Date	Drawn	Note	Approved by:	程久生	Transuuc	CI		
		BESTAR	ELECTRO	NICS INDUS		_TD w.be-star.com wu@be-star.com	DRG NO: BS/TET01.11	7D	Page:4 of 7	
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5.2 packing quantity

5.2.1 1000pcs/reel

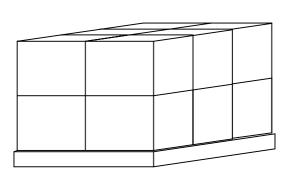
5.2.2 5reel/carton

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



label about order info

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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version		Change Items		— Date	D	A
No.	Before		After	Date	Drawn	Approved
А				03/03/26	王善梅	查红红
В		Add weight material	and terminal	04/06/03	王善梅	郭敏
С		ROHS		06/02/15	王善梅	郭 敏
D		Add reel di	rection	07/01/11	韩学慧	程久生
07/01/11	韩学慧 A	dd reel direction	Date:	07/01/11	ı	

Date Drawn Note Approved by:

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