

SPECIFICATION For Electro-Magnet Transducer

TOTAL PAGE 08 www.bestargroups.com RoHS

Customer		Model Name	SMT1010-03XH05 LF
Customer P/N		Product No.	052200
Date	23 Jul. 2013	Issue No.	BS/TET01.472C
Page	01 of 08	Issue Date	2013/07/23

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				

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文件号: BS/QDTE045B



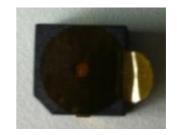
SMT1010-03XH05 LF

1. Characteristics

1.1 Features

- 1. SMD buzzer
- 2. High S.P.L.; and clear sound
- 3. Reflowable; RoHS complant
- 4. Tape & Reel supply
- 5. Minimum quantity (one reel): 750 pcs.

1.2 Electrical and Mechanical Characteristics

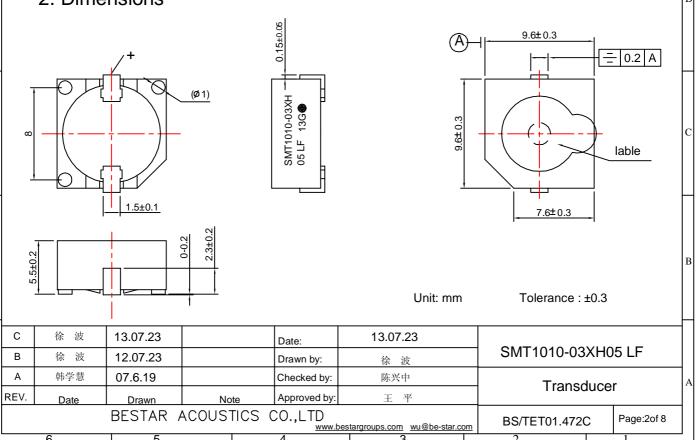


No	Туре	Specifications 3V				
1	Rated Voltage					
2	Operating Voltage	2~5V				
3	a)Rated Current	Max 30mA Min 83 dB 2700±300 Hz -30~+85 ° C -40~+90 ° C				
4	a) Sound Output at 10cm					
5	a)Resonant Frequency					
6	Temperature Range					
7	Storage Temperature					
8	Weight	1g				
9	Housing material	PPS (grey)				
a)'	a)Value applying rated voltage(DC)					
Sou	Sound Output after reliability test more than 80 dB					

Sound Output after reliability test more than 80 dB

2. Dimensions

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SMT1010-03XH05 LF 3. Reliability Test 3.7 Drop test Height 750mm (to 10mm thickness woodenboard) Direction 3(x.y&z)3.8 Soldering Heat Resistance Soldering Temperature 250 ± 5 ℃ Duration 10 ± 1sec 3.9 Solderability Test Soldering Temperature 245 ± 5 ℃ Duration $3 \pm 1 sec$ This print and information there in are proprietary to Bestar Acoustics Co., Ltd. and shall not be used in whole or in part without its written content notice: All specifications must be atisfied in this condition. 波 13.07.23 13.07.23 Date: SMT1010-03XH05 LF 波 12.07.23 Drawn by: 徐 波 韩学慧 07.6.19 Checked by: 陈兴中 Transducer REV. Approved by: Date Drawn Note BESTAR ACOUSTICS CO.,LTD Page:4 of 8 BS/TET01.472C www.bestargroups.com wu@be-star.com



SMT1010-03XH05 LF

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

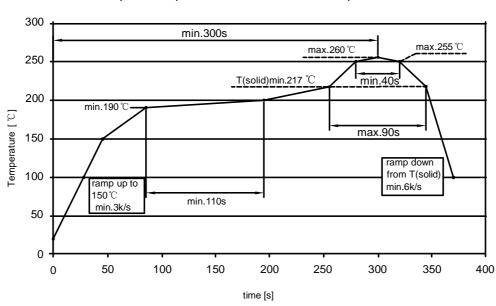
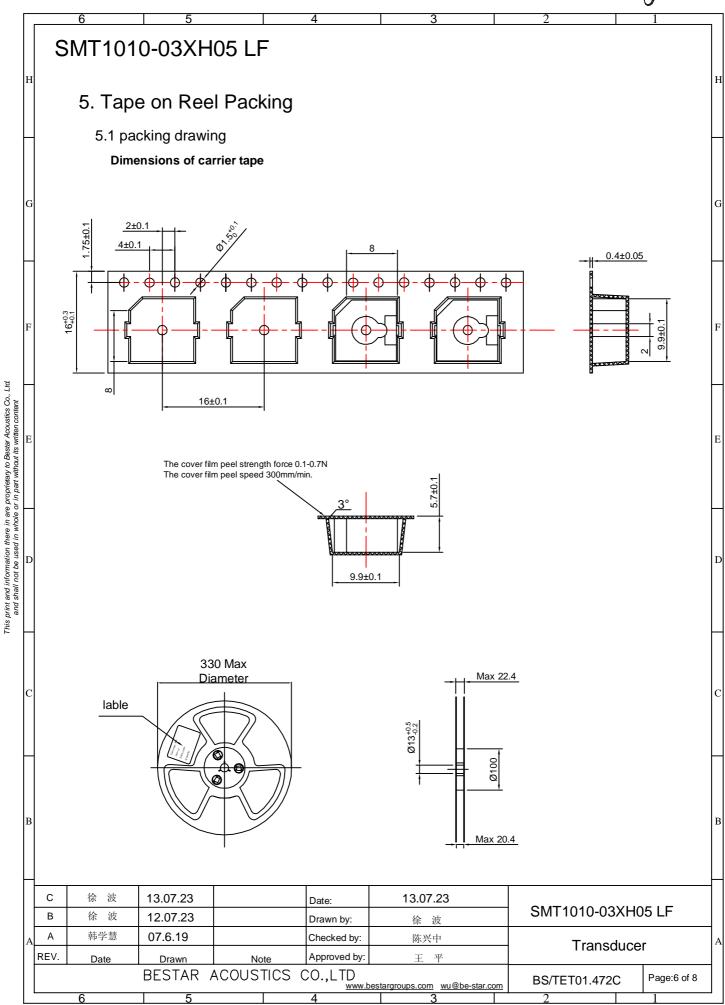


Fig. 1 Recommended soldering Temperature-Time profile (Reflow soldering)

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SMT1010-03XH05 LF 7. History change record Change Items version Date Approved Drawn No. Before After Α 07.6.19 程久生 韩学慧 В Change the SPL 12.7.23 徐 波 王 Change the size 0-0.15 С 王 平 13.7.23 徐 波 to 0~0.2 This print and information there in are proprietary to Bestar Acoustics Co., Ltd. and shall not be used in whole or in part without its written content В С 波 13.07.23 13.07.23 徐 Date: SMT1010-03XH05 LF В 徐 波 12.07.23 Drawn by: 徐 波 陈兴中 韩学慧 Checked by: 07.6.19 Transducer REV. Approved by: Date Note Drawn BESTAR ACOUSTICS CO.,LTD Page:8 of 8 BS/TET01.472C www.bestargroups.com wu@be-star.com