

# SPECIFICATION FOR ELECTRO-MAGNET TRANSDUCER

TOTAL PAGE 07 <u>www.bestargroups.com</u> RoHS

Customer		Model Name	BMT1201H8.5F-02 LF
Customer P/N		Product No.	010205
Date	05 May. 2014	Issue No.	BS/TET01.004E
Page	01 of 07	Issue Date	2014/05/05

## Approval:

- 1.Characteristics
- 2.Dimension
- 3.Reliability Test
- 4. Soldering Condition
- 5.Packing
- 6.Notice
- 7. History change record

Drawn by	Checked by	Approved by	Customer approved		
<b>*</b> 琦	徐 波	徐金国			

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## BMT1201H8.5F-02 LF

### 1. Characteristics

#### 1.1 Features

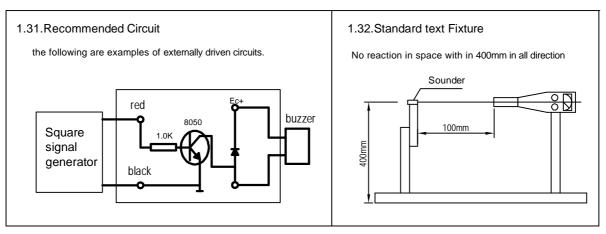
- 1. Dimension: Ø12 × 8.5
- 2. High S.P.L.; and clear sound
- 3. RoHS complant
- 4. Minimum quantity (one carton): 3000 pcs.



#### 1.2 Electrical and Mechanical Characteristics

No.	Item	Specifications		
1.	Rated voltage	1.5Vo-p		
2.	Operating voltage range	1-3.5Vo-p		
3.	Rated frequency	2048Hz		
4.	a) Rated current	Max.15mA		
5.	Coil resistance	42ohm± 6ohm		
6.	b) Coil impedance	120ohm		
7.	a) Sound pressure level	min.85dB at 10cm		
8.	Operating temperature	-25+70°C		
9.	Storage temperature	-30+85°C		
10.	Weight	2g		
a) V				
b) Value applying at rated voltage (2048Hz,sine wave measuring current 60 μ A)				

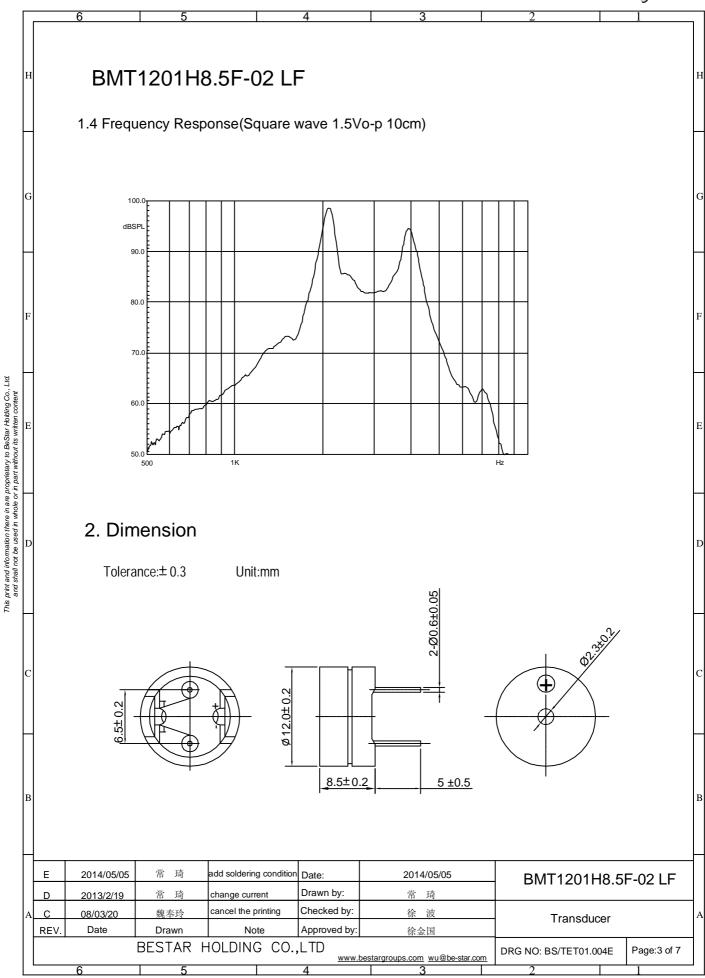
## 1.3 Test method:



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	D	2013/2/19	常琦	change current	Drawn by:	常琦			02 LI
A	С	08/03/20	魏奉玲	cancel the printing	Checked by:	徐波			
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	BESTAR HOLDING CO.,LTD www.bestargroups.com wu@be-star.com					DRG NO: BS/TET01.004E Page:2 of		Page:2 of 7	
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## BMT1201H8.5F-02 LF

## 4. Soldering Condition

#### 4.1 Wave soldewing

- (1) Solderings of The Sound Transducers shall conform to the soldering conditions in the individual specifications.
- (2) The Sound Transducers are designed for "Wave Solderings"
- (3)In the wave 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 wave soldering process

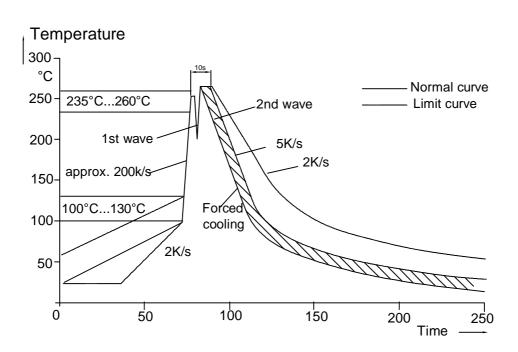


Fig. 1 Recommended soldering Temperature-Time profile (wave soldering)

4.2 Hand Soldering (Recommend using constant searing-iron)

360° C± 5° C Temperature Duration ≤ 3sec

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#### BMT1201H8.5F-02 LF 7. History change record Change Items version Date Drawn Approved No. Before After 05/07/01 陶红仲 程久生 Α change SPL 80dB into 85dB В 05/11/02 陶红仲 郭 敏 cancle the printing С 08/03/20 魏奉玲 张秀琴 l≤10mA l≤15mA 2013/2/19 常琦 D Е add soldering condition 2014/05/05 常 琦 徐金国 This print and information there in are proprietary to BeStar Holding Co., Ltd. and shall not be used in whole or in part without its written content Е add soldering condition Date: 2014/05/05 常 琦 2014/05/05 BMT1201H8.5F-02 LF Drawn by: D 2013/2/19 Checked by: cancel the printing 魏奉玲 С 08/03/20 徐 波 Transducer REV. Approved by: 徐金国 Drawn Note BESTAR HOLDING CO.,LTD Page:7 of 7 DRG NO: BS/TET01.004E www.bestargroups.com wu@be-star.com