

SPECIFICATION FOR ELECTRO-MAGNET TRANSDUCER

TOTAL PAGE 09 www.be-star.com RoHS

Customer		Model Name	SMT1411-03H3.5 LF
Customer P/N		Product No.	050500
Date	24 Jul.2019	Issue No.	BS/TET01.033C1
Page	01 of 09	Issue Date	2019.07.24

Approval:

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

Drawn by	Checked by	Approved by	Customer approved
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文件号: BS/QDTE045B



SMT1411-03H3.5 LF

1. Characteristics

1.1 Features

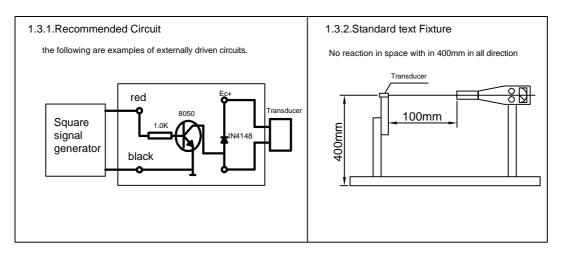
- 1. SMD;thinner, smaller size
- 2. High S.P.L.; and clear sound
- 3. Reflowable; RoHS complant
- 4. Tape & Reel supply
- 5. Minimum quantity (one reel): 750 pcs.
- 1.2 Electrical and Mechanical Characteristics



No.	Item	Specifications					
1	Rated Voltage	3 Vo-р					
2	Operating Voltage	24.5 Vo-p					
3 Rated Current max.70mA							
4	Sound Output (at 10cm)	min.87dB					
5	Resonance Frequency	3200Hz					
6	Coil Resistance	19±2ohm					
7	7 Operating Temp40+85 ℃						
8	Storage Temp.	-40+85 ℃					
9	Weight	1.2 g					
10	Housing material	LCP					
Curro	Current/Cound Outputs value applying rated voltage (2200Hz 2)/o p 4/2 duty agure value)						

Current/Sound Output:value applying rated voltage (3200Hz,3Vo-p,1/2 duty,squre wave)

1.3 Test method:

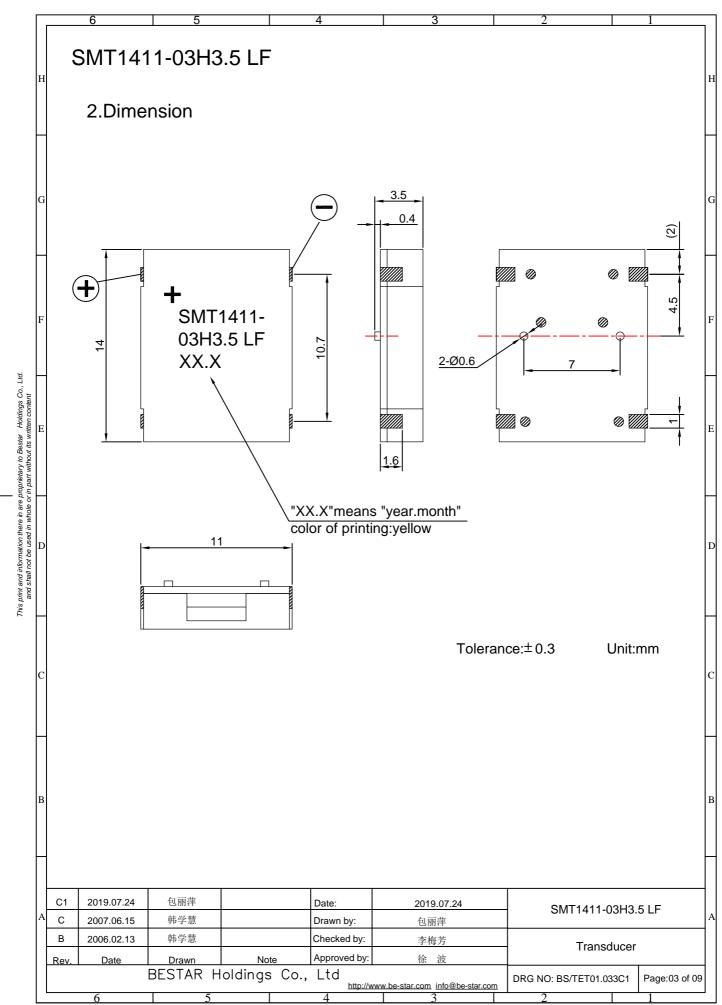


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	C1	2019.07.24	包丽萍		Date:	2019.07.24	SMT1411-03	2∐2 5 I E	
A	С	2007.06.15	韩学慧		Drawn by:	包丽萍	31/11/14/11-03	31 13.3 LF	
	В	2006.02.13	韩学慧		Checked by:	李梅芳	Transd	ucor	
	Rev.	Date	Drawn	Note	e Approved by:	徐波	Transu	ucei	
			BESTAR H	oldings	Co., Ltd	www.be-star.com info@be-star.com	DRG NO: BS/TET01.03	3C1 Page:02 of	f 09
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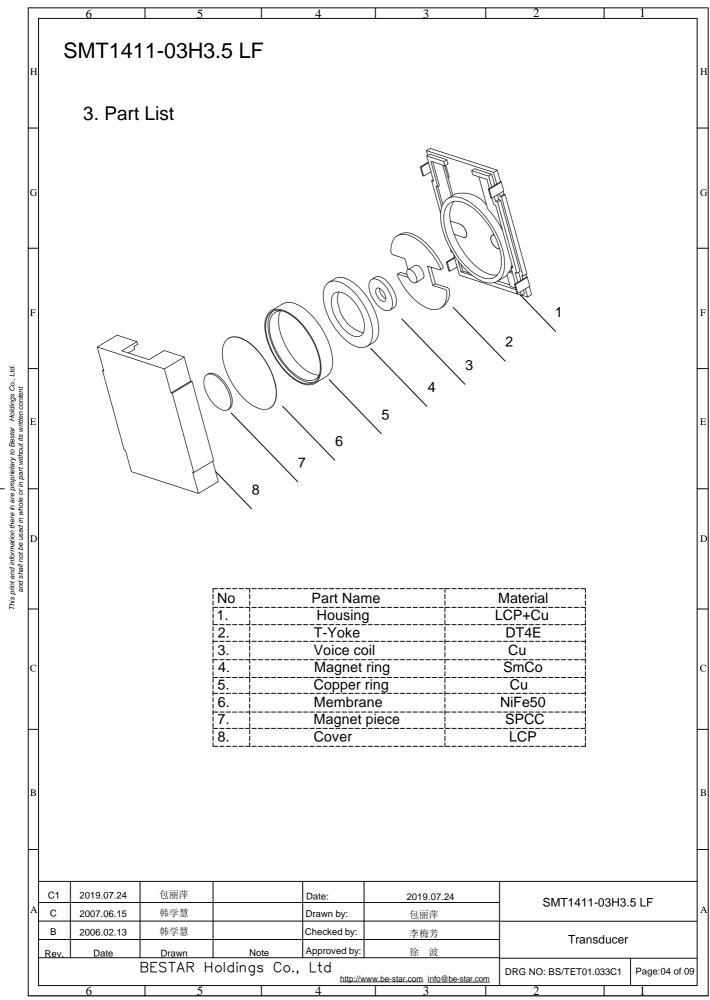
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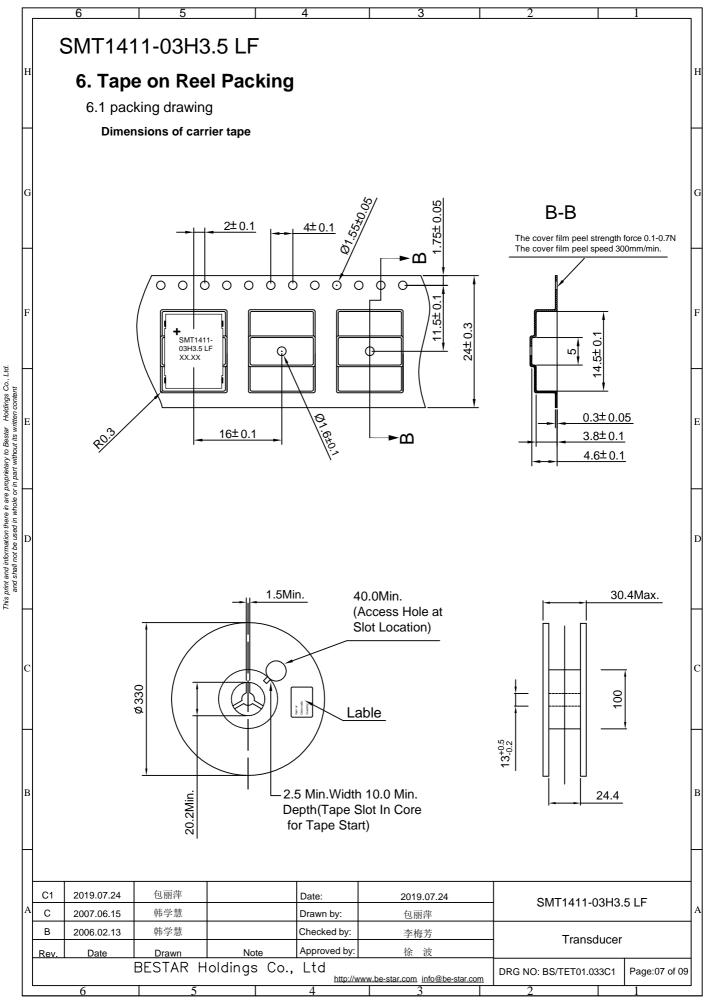




SMT1411-03H3.5 LF 4. Reliability Test 4.1 High temp. storage life test Temperature +85 °C Duration 96hrs 4.2 Low temp. storage life test -40 °C Temperature Duration 96hrs 4.3 Life test in normal temperature Power supply Rated voltage Duration 1000hrs 4.4 Temperature shock test 5 Cycles +25° C -40**°** C 15min 30min 30min 15min 4.5 Humidity cycle test Cycles 5 65°C 90-95% RH 25° C 90-95% RH 10h 12h 1h 4.6 High temp. life test Temperature +85 ° C Duration 96hrs 4.7 Low temp. life test Temperature -40 ° C Duration 96hrs All these tests above should be measured after leaving normal temperature for 4hrs. 4.8 Vibration Test Vibration Frequency 10~200~10Hz **Amplitude** 15min Acceleration 5g Direction x.y &z 2h (total 6hrs) 4.9 Drop test Height 70cm(drop to concrete floor) Direction one time in each 6 planes(total of 6 times) 4.10Solderability Temperature of soldering pot 245°C±5 2 ±0.5sec Duration Notice: All specification must be satisfied in this condition except SPL. SPL shall be 77dB or more. 2019.07.24 包丽萍 Date: 2019.07.24 SMT1411-03H3.5 LF 2007.06.15 韩学慧 Drawn by: 包丽萍 韩学慧 Checked by: 2006.02.13 李梅芳 Transducer Approved by: Note BESTAR Holdings Co., Ltd DRG NO: BS/TET01.033C1 Page:05 of 09 http://www.be-star.com info@be-star.com









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-	8. History	change r	ecord				
ŀ	version -		Change Item		Date	Drawn	Approved
	No.	Before		After			
	A			DOI 10	2002.07.01	王善梅	查红红
	В			ROHS ange new form	2006.02.13	韩学慧	郭敏
	C1				2007.06.15	韩学慧	程久生
	CI		ch	ange new form	2019.07.24	包丽萍	徐波
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