

SPECIFICATION FOR DYNAMIC SPEAKER

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Preliminary Specification For The Acoustic Characteristics of Dynamic Speaker

Customer		Model Name	SMS2020-08H4.5 LF
Customer P/N		Product No.	138707
Date	06 Jul. 2018	Issue No.	BS/TES01.990C
Page	01 of 09	Issue Date	2018/07/06

Approval:

- 1.Description
- 2. Characteristics
- 3.Drawing
- 4. Reliability Test
- 5.Reflow Condition
- 6. Tape on Reel Packing
- 7. History Change Record

Drawn by	Checked by	Approved by	Customer approved

BESTAR HOLDING CO.,LTD

No.199 HuangHe West Road, New district, ChangZhou, JiangSu Province, P.R. China

*E-mail:*wu@be-star.com http://www.bestargroups.com

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DRG NO: BS/TES01.990C

SMS2020-08H4.5 LF

1.Description

- 1.1 Upper sound port
- 1.2 Reflowable(Conforms to EIAJ ED-4702)
- 1.3 Flat frequency response with a greater sound volume
- 1.4 Excellent durability in severe environment(storage temperature: -40°C to +105°C)

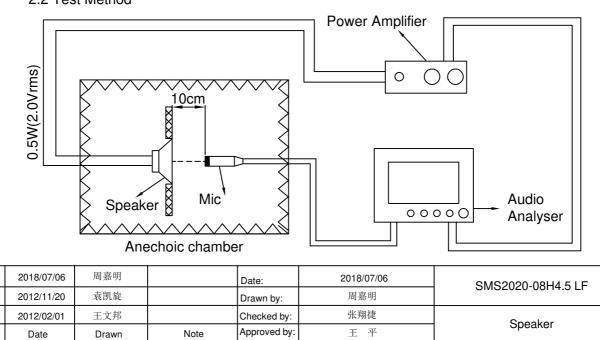
2. Characteristics

2.1 Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Dimension	20 x 20 x 4.5 (square)
2.	AC Impedance	8 Ω±20%(at 2KHz,0.5V)
3.	Rated Input Power	0. 5W(2.0Vrms)
4.	Max Input Power	1.0W(2.83Vrms)
5.	Resonance Frequency	850 ±100Hz
6.	S.P.L	93±3dB/0.5W/0.1m at 0.8~3.0KHz average
7.	THD	800Hz≤10%,800-1.5KHz slope from 10%,
		1.5K-8KHz≤10%
8.	Buzzes & Rattles	Must be normal at sine wave 2.0Vrms
9.	Polarity	Positive voltage to (+),Diaphragm moves forward
10.	Operating Temperature	-40~+ 85°C
11.	Storage Temperature	-40~+ 105°C
12.	Weight	~3 .0g

2.2 Test Method

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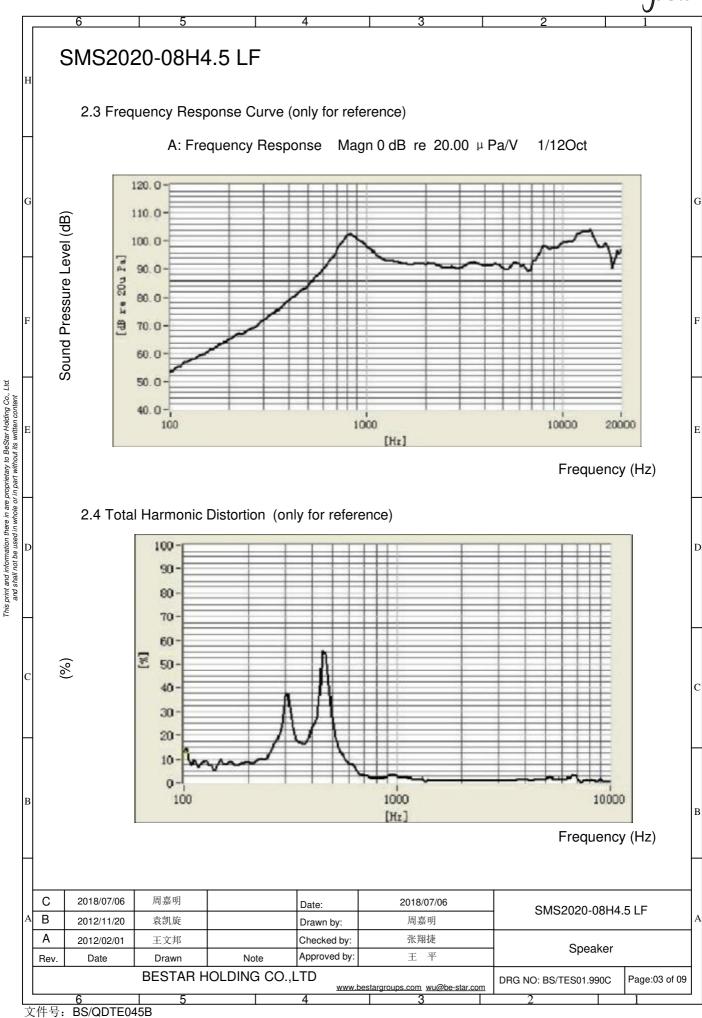
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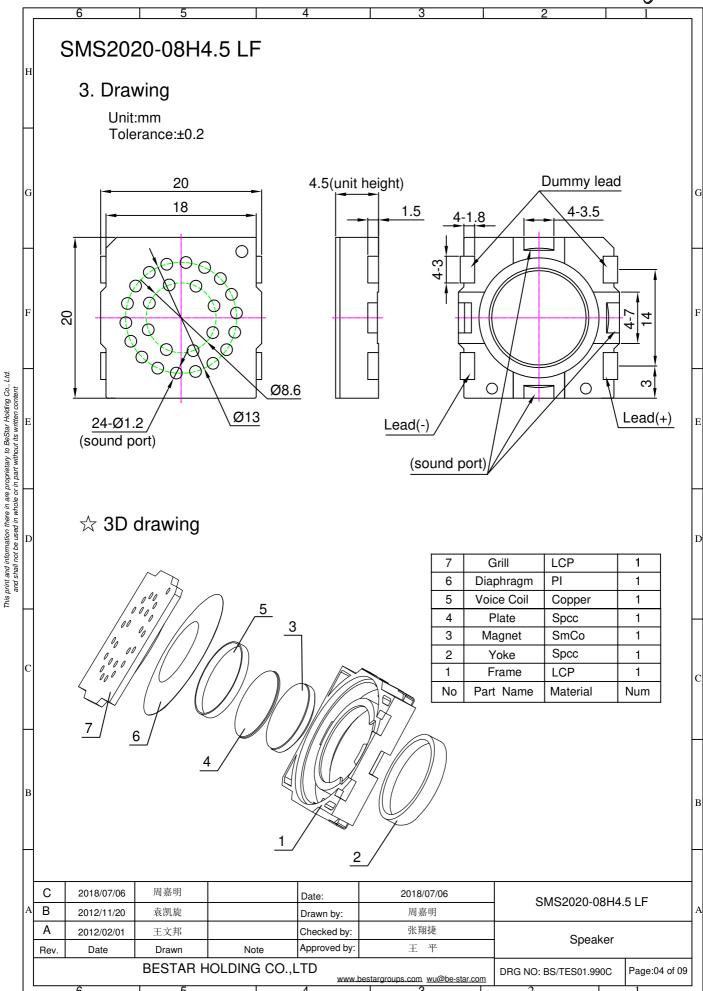
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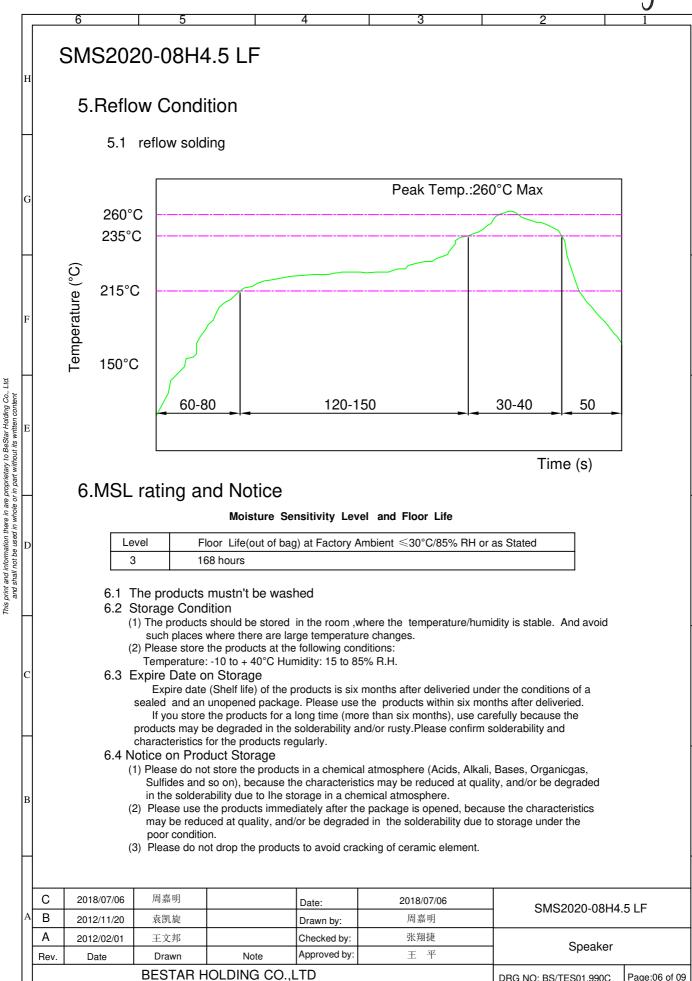


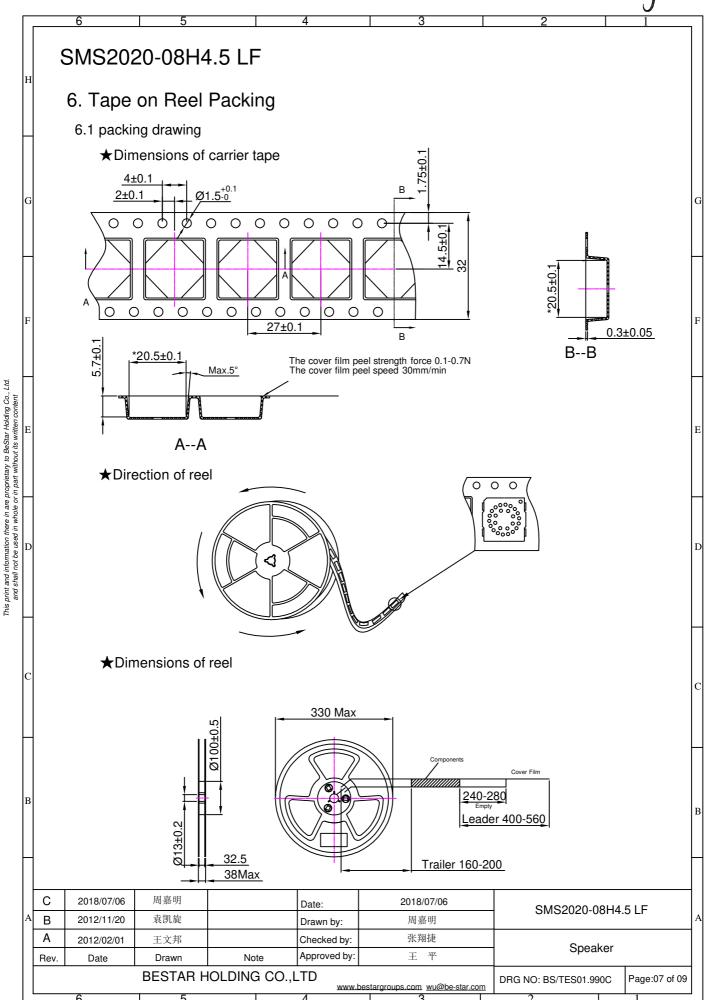
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	SMS2020-08H4.5 L		3	2	1
H	4. Reliability Test				
	4.1 Load Test Power (Nom) Duration		0 .5W(sine v 120hrs		
G .	4.2 High Temperature T Temperature Duration	est	+105±3° 120hr		
_	4.3 Low Temperature T Temperature Duration	est	-40±3°C 120hrs		
F	4.4 Temperature Cycle Temperature Temperature Chan		-40°C/+8: 1±2/mi	n	
E	Duration at +85°C Duration at -40°C Duration for one cy Cycle	rcle	2h(each d 2h(each d 8h 10	-	
	4.5 Drop Test Height Drop face Times		-	o concrete floor	
D	Notice:		total 3		
	1.All these tests abo for 2hrs.	ove should be mea	sured after leaving	normal temperature	
	2.After the test the pappearance and pe be within ± 3dB fro	erformance except	SPL.SPL difference	ny degradation in e at 0.8- 3.0kHz shal	I
С					
В					
C	2018/07/06 周嘉明	I_	2010/07/06		
A B	2012/11/20 袁凯旋 2012/02/01 王文邦	Date: Drawn by: Checked by:	2018/07/06 周嘉明 张翔捷	SMS2020-08F	
Rev.	Date Drawn	Note Approved by:	王平	Speaker	
	BESTAR HOLDIN	NG CO.,LTD	estargroups.com wu@be-star.com	DRG NO: BS/TES01.990C	Page:05 of 09

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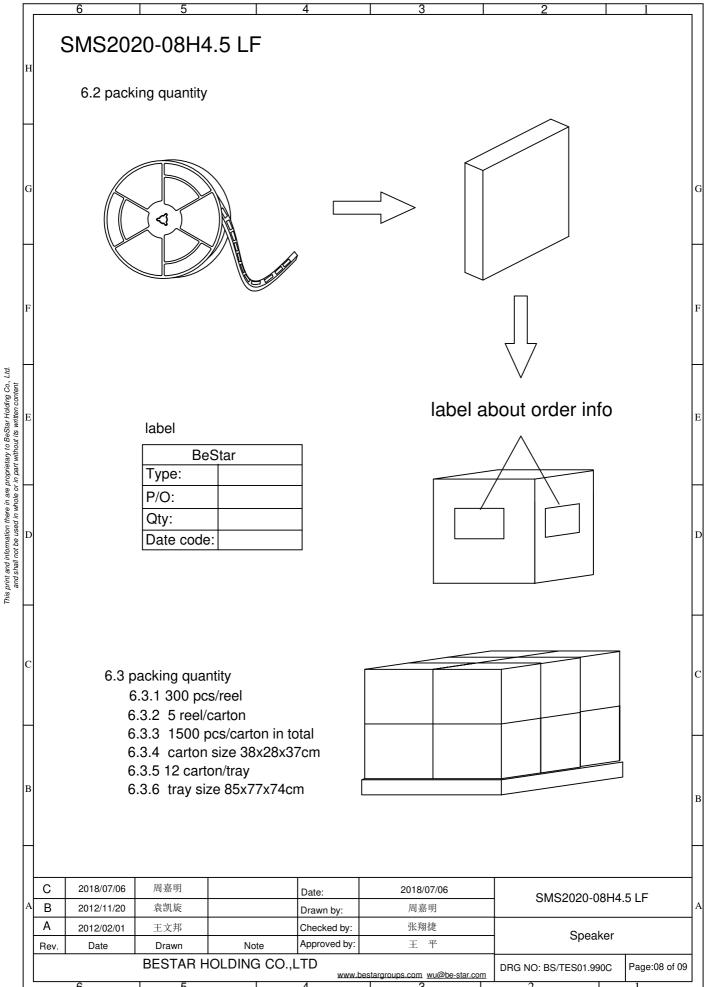
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versio No.	version	Change Items		Data	D	A	
		Before	After	Date Dr	Drawn	Approved	
	А			2012/02/01	王文邦	郭 敏	
	В	850Hz ±20%;8Ω±20% (at 2KHz)	850±100Hz ;8Ω±20% (at 2KHz,0.5V)	2012/11/20	袁凯旋	王 平	
	С	Change thedi		2018/07/06	周嘉明	王平	
_	2018/07/06	周嘉明	Date:	2018/07/06		SMS2020-08H4.5 L	
E	3 2012/11/20	哀訓旋	[1]rawn hv.				
		表凯旋 王文邦	Drawn by: Checked by:	张翔捷		Speaker	