

APPROVAL SHEET FOR SMARTPHONE SPEAKER

TOTAL PAGE | 12 | www.be-star.com | RoHS

| Customer | | Model Name | BMS1511F-11C-08H03P LF |
|-----------------|----------|-------------|------------------------|
| Customer P/N | | Product No. | 139706 |
| Date 8 Sep.2011 | | Issue No. | BS/TES01.1170A |
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| Drawn by | Checked by | Approved by | Customer approved | | | |
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BESTAR ELECTRONICS INDUSTRY CO.,LTD

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

 BMS1511F-11C-08H03P LF

1.Test Climatic Condition

- 1.1 Ambient Temperature :15°C~35°C,Preferably at 20°C
- 1.2 Relative Humidity:25% to 75%
- 1.3 Air Pressure:86kPa~106kPa

2.Description

- 2.1 Acoustic component Performance Specification
- 2.2 The present document specifies performance requirements for the acoustic characteristics of speaker

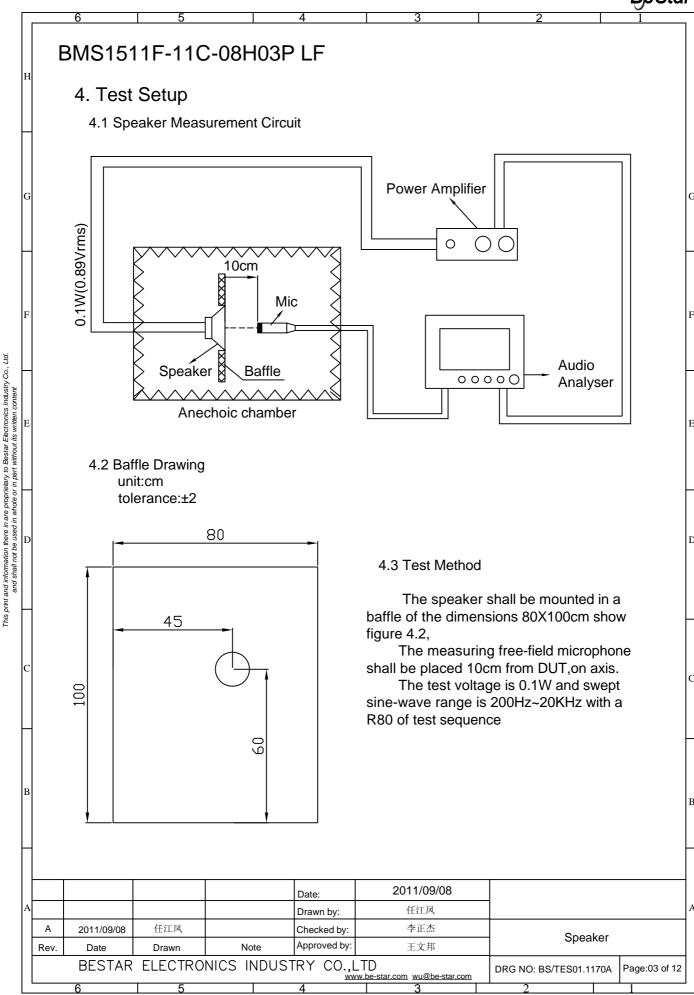
3. Characteristics

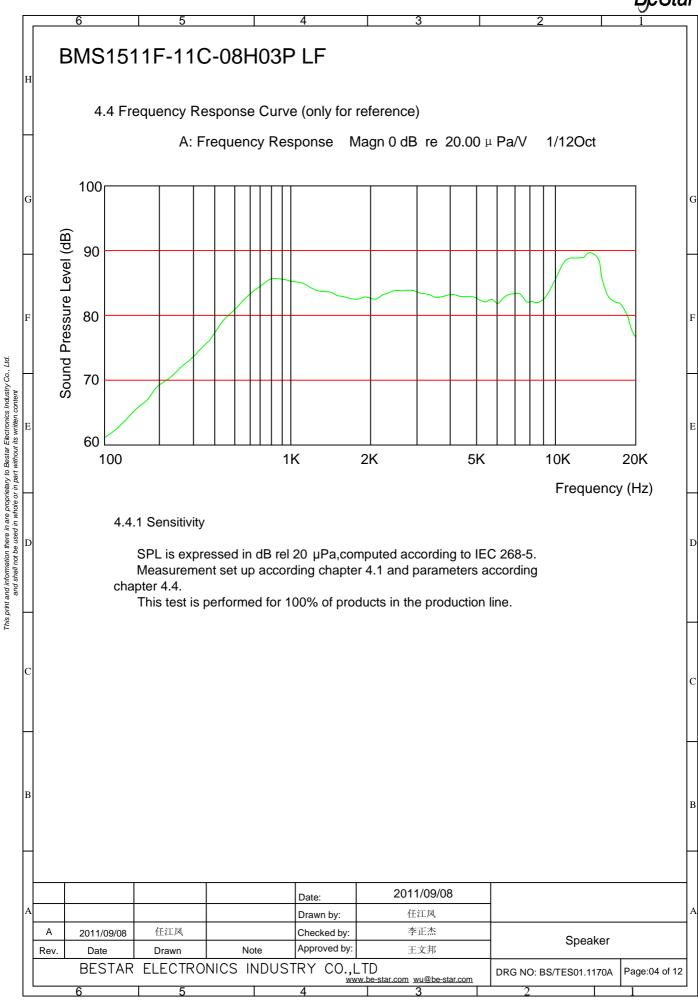
3.1 Electrical and Mechanical Characteristics

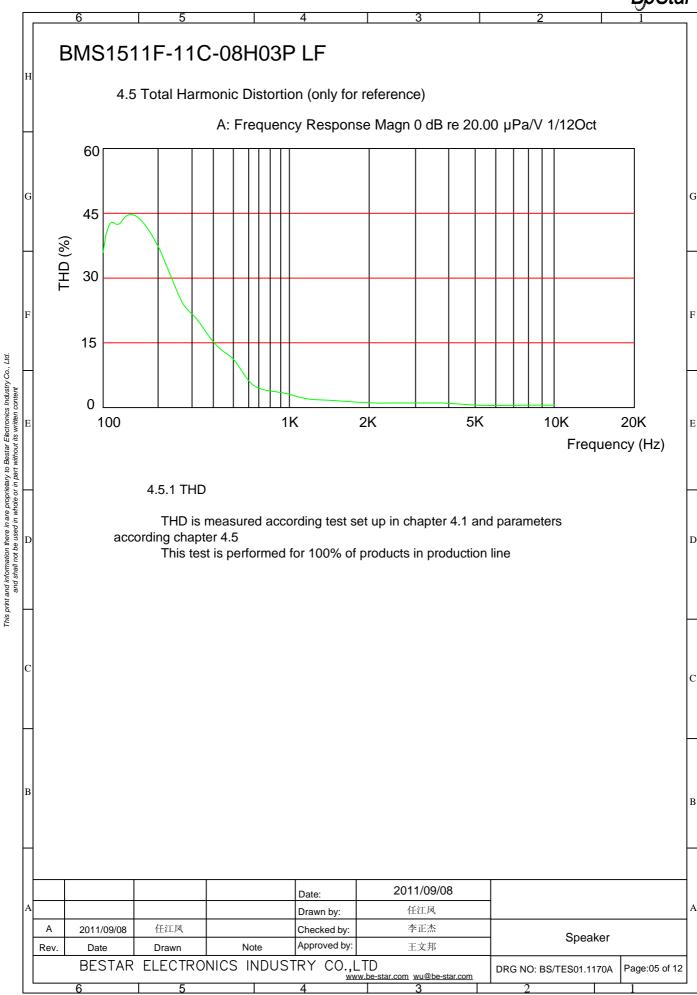
| No. | Item | Specification | | | |
|-----|-----------------------|--|--|--|--|
| 1. | Dimension | 15 x11 x 3.0(mm) | | | |
| 2. | AC Impedance | 8 Ω ±15%(at 2KHz/1Vrms) | | | |
| 3. | Rated Input Power | 0.5W(2.0Vrms/in 1cc box) | | | |
| 4. | Maximum Input Power | 1.0W(2.83Vrms/in 1cc box) | | | |
| 5. | Resonance Frequency | 550Hz ±20% (in free air) | | | |
| 6. | Resonance Frequency | 850Hz ±20% (in 1.0cc box) | | | |
| 7. | Frequency Response | F0~20KHz | | | |
| 8. | S.P.L | 82±3dB/0.1m/0.1W at 2~5KHz average | | | |
| 9. | THD | ≤5% (at 1.0~10KHz/0.1W) | | | |
| 10. | Buzzes & Rattles | Must be normal at sine wave 0.89Vrms (in free air) | | | |
| | | /2.0Vrms(in 1.0cc box) from 300~10KHz | | | |
| 11. | Polarity | Positive voltage to (+), Diaphragm moves forward | | | |
| 12. | Operating Temperature | -20~+ 70°C | | | |
| 13. | Storage Temperature | -40~+ 85°C | | | |
| 14. | Weight | ~1.5g±0.3g | | | |

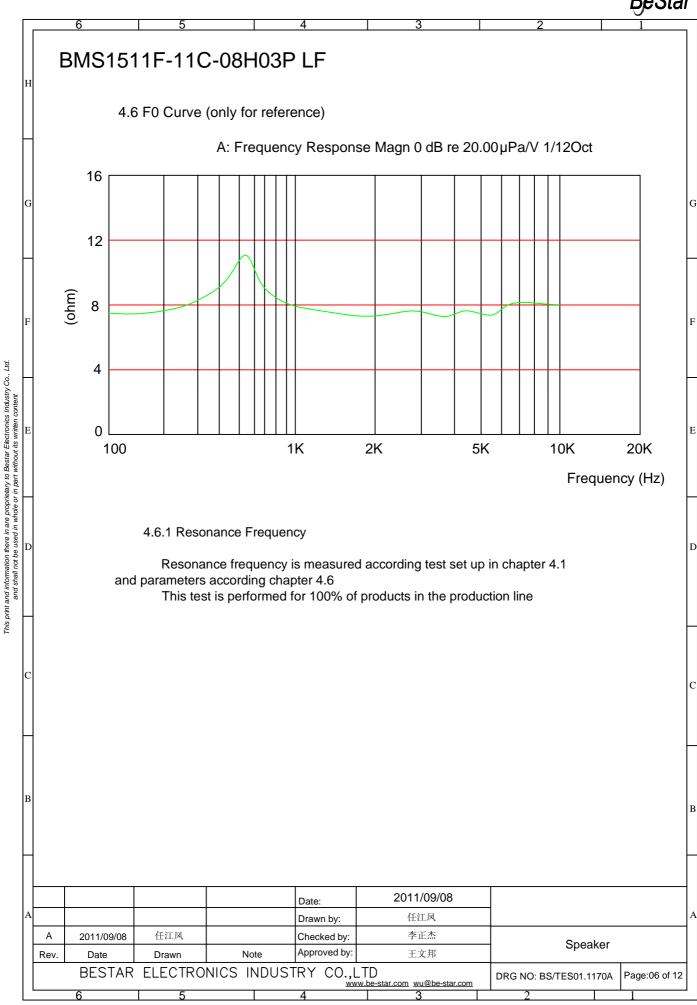
| | | | | | | Date: | 2011/09/08 | BMS1511F-11C-08H03P L | | H03P I F |
|---|---|------------|-------|-----|----|----------------------------|------------|-----------------------|------|----------|
| A | | | | | | Drawn by: | 任江凤 | Speaker | | |
| | Α | 2011/09/08 | 任江凤 | | | Checked by: | 李正杰 | | | |
| | Rev. | Date | Drawn | Not | te | | | | akei | |
| | BESTAR ELECTRONICS INDUSTRY CO., LTD www.be-star.com wu@be-star.com | | | | | DRG NO: BS/TES01.1170A Pag | | Page:02 of 12 | | |
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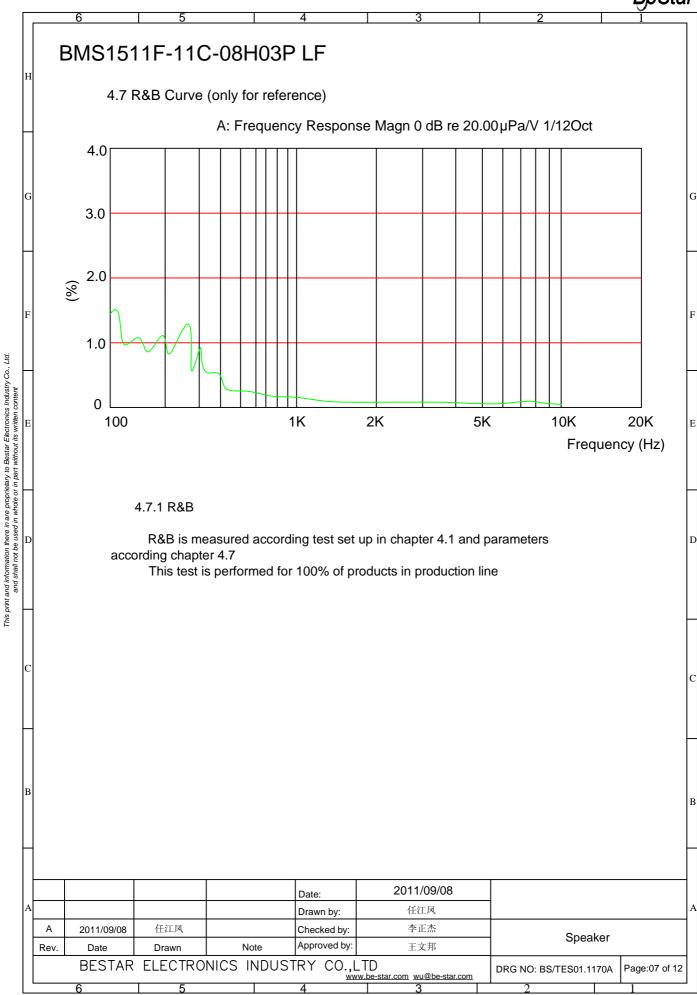
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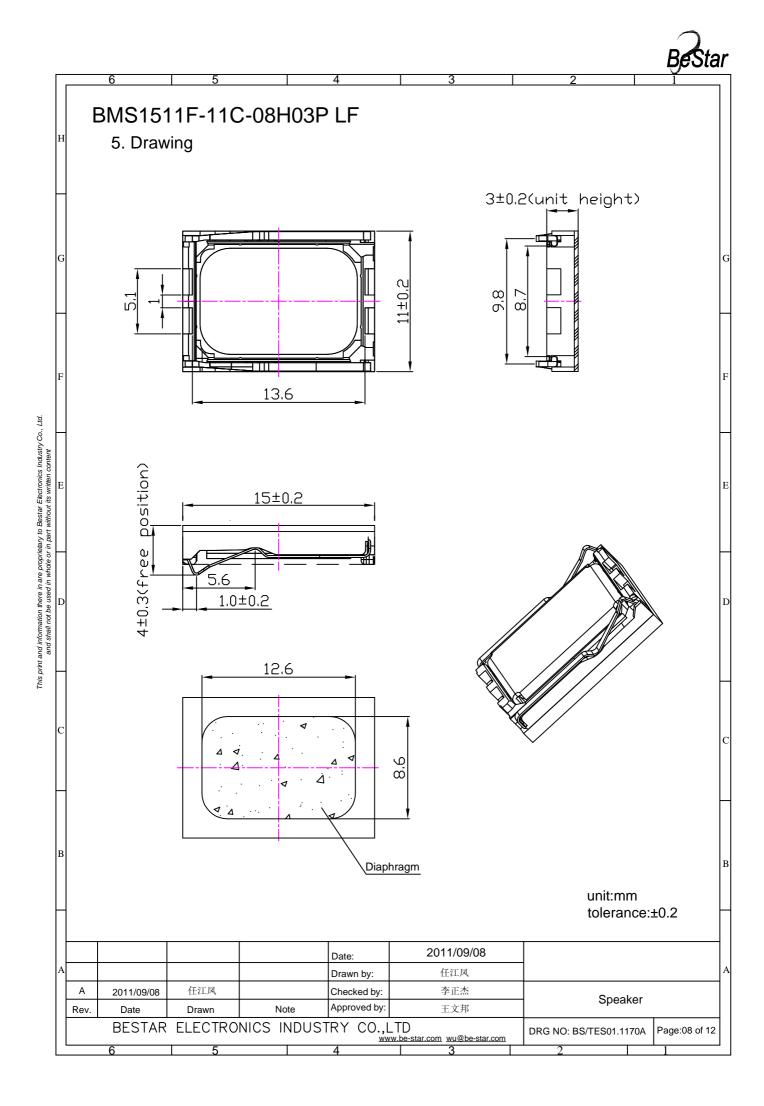


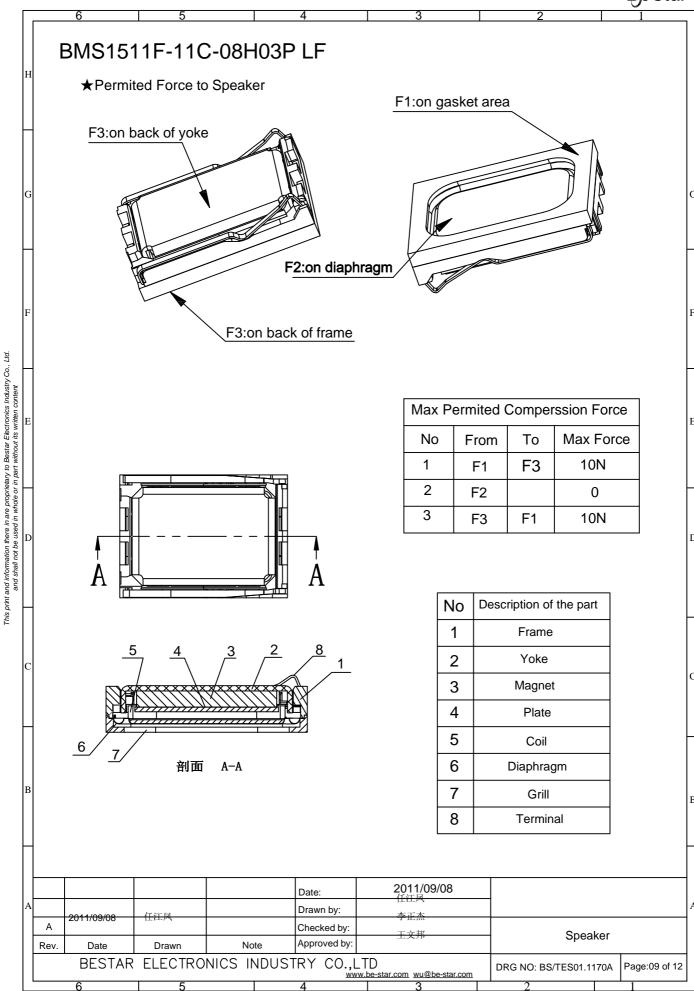














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BMS1511F-11C-08H03P LF 6. Reliability Test 6.1 Load Test Power (Nom) 0.5W(Pink noise in 1cc box) Duration 96hrs 6.2 High Temperature Test **Temperature** +70±3°C Duration 96hrs 6.3 Low Temperature Test 20±3°C **Temperature** Duration 96hrs 6.4 Damp Heat 40±3°C Temperature Relative Humidity 90%-95%RH Duration 96hrs 6.5 Temperature Cycle Test 10 Cycles +70 +25 -40 t (min) 30 30 30 1 cycles 6.6 Drop Test 1.0m Height Drop face thick board (20mm) Times 10 (three times in each direction) Notice: 1.Immediately after reliability test, the samples shall be stored under climatic conditions such as normally exist in ordinary rooms or laboratories. Unless otherwise noted, the recovery period shall be 4hrs at least before performance testing. 2. After reliability test, all samples must be meet the requirements specified 3. Sensitivity difference at 2~5KHz shall be within ±3dB from initial value after test. 2011/09/08 Date: 任江凤 Drawn by: 任江凤 李正杰 Α 2011/09/08 Checked by: Speaker Approved by: Note 王文邦 Rev. Date Drawn

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