

SPECIFICATION FOR DYNAMIC SPEAKER

| | |
|-------------------|--------------------------|
| Customer | |
| Customer P/N | |
| BeStar Model Name | BMS16-11C-16H3.7RW030 LF |
| Product No. | 138004 |
| Issue No. | BS/TES01.785A |
| Issue Date | 07/04/02 |

Approval:

- 1.Characteristics
- 2.Typical Frequency Response Curve
- 3.Dimension
- 4.Reliability Test
- 5.Packing
- 6.History change record

| Drawn by | Checked by | Approved by | Customer approved |
|----------|------------|-------------|-------------------|
| 朱成兴 | 韩学慧 | 程久生 | |

For conform to the European Union Directive on the Restriction of Hazardous Substances(RoHS), this type of productions forbid use all the hazardous substances as follow:

Lead
Cadmium
Mercury
Hexavalent chromium
Polybrominated biphenyls (PBB)
Polybrominated diphenyl ethers (PBDE)



BESTAR ELECTRONICS INDUSTRY CO.,LTD
No.199 HuangHe West Road.New district, changzhou,
jiangsu Province,P.R.China
Tel:86-519-8222567 Fax:86-519-8222551
Http:www.be-star.com
E-mail: wu@be-star.com, info@be-star.com

BMS16-11C-16H3.7RW030 LF

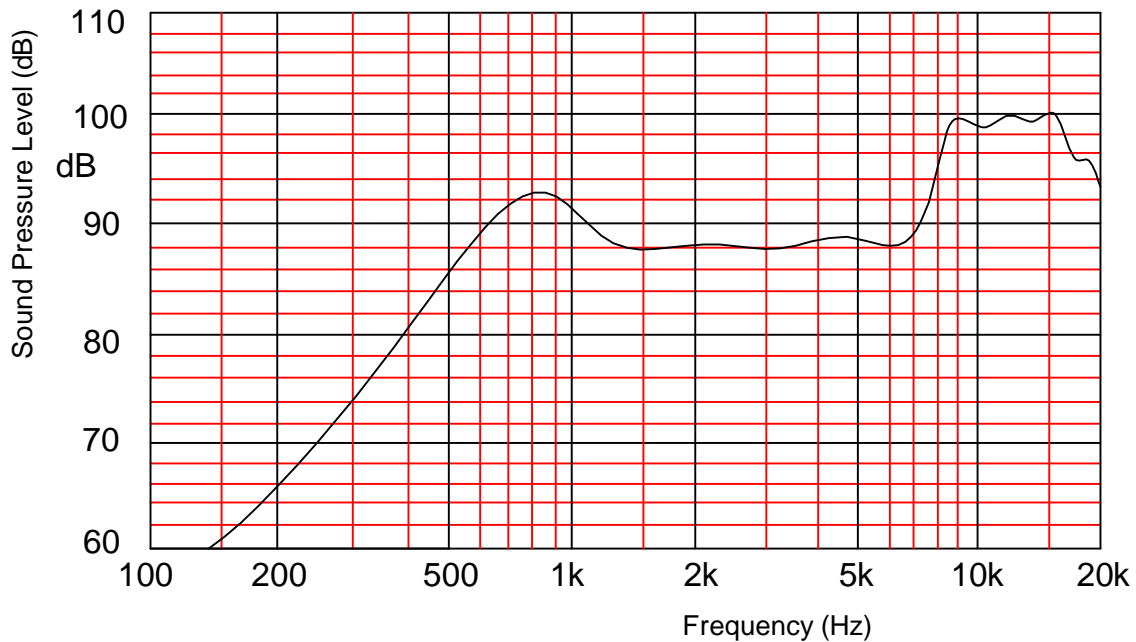


1. Characteristics

1.1 Electrical and Mechanical Characteristics

| No. | Item | Specification |
|-----|-----------------------------|---|
| 1. | Impedance(at 2kHz) | 16±15% Ω |
| 2. | Rated Input Power | 0.5W |
| 3. | Maximum Input Power | 0.8W |
| 4. | Resonance Frequency | 850±20%Hz |
| 5. | Frequency Response | F0 ~ 20KHz |
| 6. | Output SPL | 90±3dB/0.1W 0.1m at0.8,1.0,1.2,1.5KHz Average |
| 7. | Distortion (at 1kHz,0.5W) | ≤5% |
| 8. | Buzzes & Rattles | Must be normal at sine wave 2.83V |
| 9. | Operating Temperature | -20 ~ +70°C |
| 10. | Storage Temperature | -40 ~ +85°C |

2. Typical Frequency Response Curve

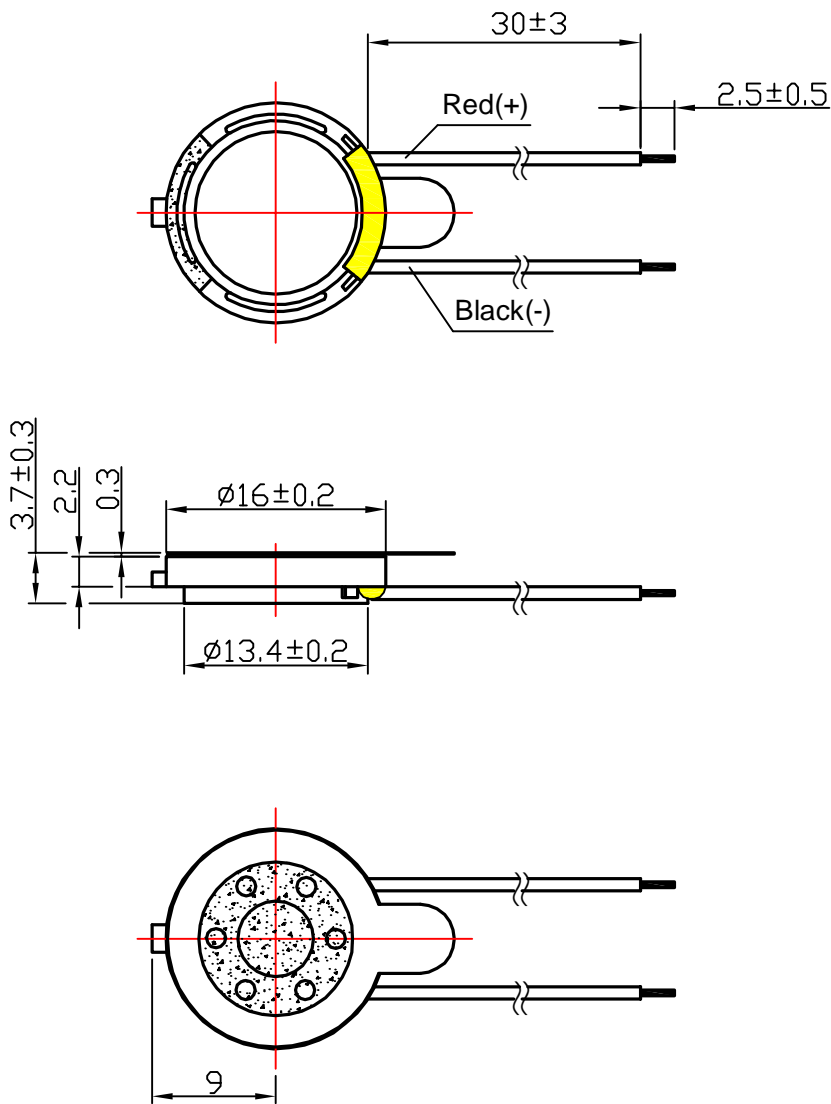


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| | | | | Drawn by: | 朱成兴 | | |
| A | 07/04/02 | 朱成兴 | | Checked by: | 韩学慧 | Speaker | |
| Rev. | Date | Drawn | Note | Approved by: | 程久生 | | |
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BMS16-11C-16H3.7RW030 LF

3. Dimension



UL1571 AWG28#

Unit:mm
Tolerance:±0.2

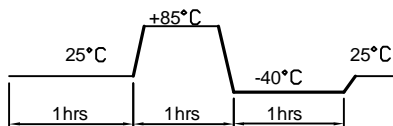
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BMS16-11C-16H3.7RW030 LF

4. Reliability Test

| | |
|----------------------------|-----------|
| 4.1 Load Test | |
| Power | 0.5W |
| Duration | 96hrs |
| 4.2 High Temperature Test | |
| Temperature | +85±2 °C |
| Duration | 96hrs |
| 4.3 Low Temperature Test | |
| Temperature | -40±3 °C |
| Duration | 96hrs |
| 4.4 Damp Heat | |
| Temperature | 40±3 °C |
| Relative Humidity | 90%-95%RH |
| Duration | 96hrs |
| 4.5 Temperature Cycle Test | |
| Cycle | 4 |



| | |
|---------------|-------------------------------|
| 4.6 Drop Test | |
| Height | 100cm (in state of packing) |
| Times | 10 (Drop onto hardwood board) |

All these tests above should be measured after leaving normal temperature for 1hrs.

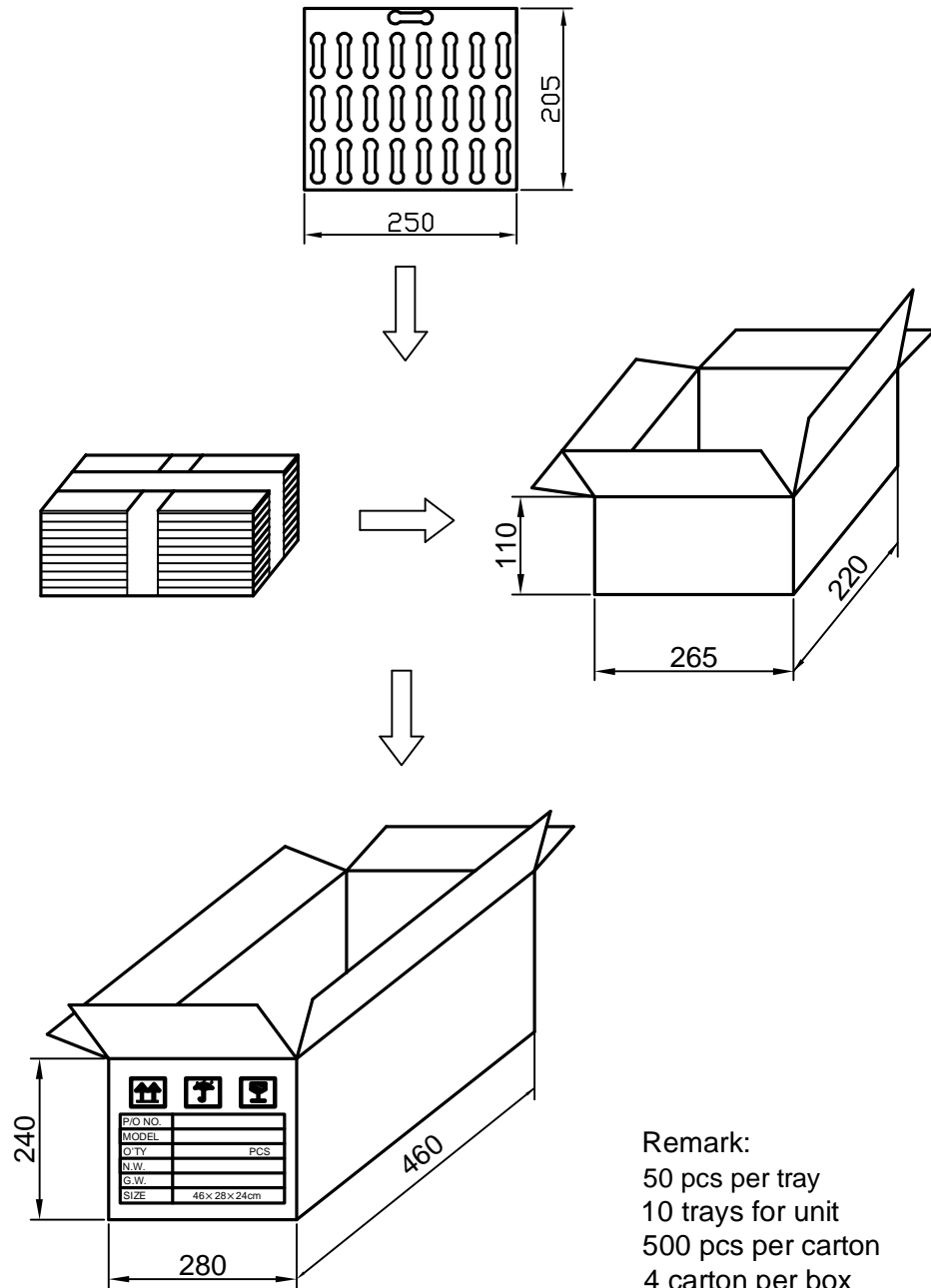
sensitivity difference at 1kHz shall be within ±3dB from initial value after test.

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5. Packing



Remark:
 50 pcs per tray
 10 trays for unit
 500 pcs per carton
 4 carton per box
 Total 2000pcs per box
 Size: 46×28×24(cm)

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