SPECIFICATION
FOR DYNAMIC SPEAKER

<table>
<thead>
<tr>
<th>Customer</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Customer P/N</td>
<td></td>
</tr>
<tr>
<td>BeStar Model Name</td>
<td>BMS16-11C-16H3.7RW030 LF</td>
</tr>
<tr>
<td>Product No.</td>
<td>138004</td>
</tr>
<tr>
<td>Issue No.</td>
<td>BS/TES01.785A</td>
</tr>
<tr>
<td>Issue Date</td>
<td>07/04/02</td>
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Approval:
1. Characteristics
2. Typical Frequency Response Curve
3. Dimension
4. Reliability Test
5. Packing
6. History change record

<table>
<thead>
<tr>
<th>Drawn by</th>
<th>Checked by</th>
<th>Approved by</th>
<th>Customer approved</th>
</tr>
</thead>
<tbody>
<tr>
<td>朱成兴</td>
<td>韩学慧</td>
<td>程久生</td>
<td></td>
</tr>
</tbody>
</table>

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)

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Http: www.be-star.com
E-mail: wu@be-star.com, info@be-star.com
1. Characteristics

1.1 Electrical and Mechanical Characteristics

<table>
<thead>
<tr>
<th>No.</th>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Impedance (at 2kHz)</td>
<td>16±15% Ω</td>
</tr>
<tr>
<td>2.</td>
<td>Rated Input Power</td>
<td>0.5W</td>
</tr>
<tr>
<td>3.</td>
<td>Maximum Input Power</td>
<td>0.8W</td>
</tr>
<tr>
<td>4.</td>
<td>Resonance Frequency</td>
<td>850±20%Hz</td>
</tr>
<tr>
<td>5.</td>
<td>Frequency Response</td>
<td>F0 ~ 20KHz</td>
</tr>
<tr>
<td>6.</td>
<td>Output SPL</td>
<td>90±3dB/0.1W 0.1m at 0, 1, 0, 1, 2, 1.5KHz Average</td>
</tr>
<tr>
<td>7.</td>
<td>Distortion (at 1kHz, 0.5W)</td>
<td>≤5%</td>
</tr>
<tr>
<td>8.</td>
<td>Buzzes &amp; Rattles</td>
<td>Must be normal at sine wave 2.83V</td>
</tr>
<tr>
<td>9.</td>
<td>Operating Temperature</td>
<td>-20 ~ +70°C</td>
</tr>
<tr>
<td>10.</td>
<td>Storage Temperature</td>
<td>-40 ~ +85°C</td>
</tr>
</tbody>
</table>

2. Typical Frequency Response Curve

![Frequency Response Curve](image)

- **Sound Pressure Level (dB)**
- **Frequency (Hz)**

- **BMS16-11C-16H3.7RW030 LF**

**Speaker:**

**Date:** 07/04/02

**Drawn by:** 朱成兴

**Checked by:** 韩学慧

**Approved by:** 陈久生

**BESTAR ELECTRONICS INDUSTRY CO., LTD**

**www.be-star.com**

**wu@be-star.com**

**DRG NO:** BS/TE01,785A

**Page:** 1 of 5
BMS16-11C-16H3.7RW030 LF

3. Dimension

UL1571 AWG28#

Unit:mm
Tolerance:±0.2
4. Reliability Test

4.1 Load Test
Power 0.5W
Duration 96hrs

4.2 High Temperature Test
Temperature +85±2℃
Duration 96hrs

4.3 Low Temperature Test
Temperature -40±3℃
Duration 96hrs

4.4 Damp Heat
Temperature 40±3℃
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.
BMS16-11C-16H3.7RW030 LF

5. Packing

Remark:
- 50 pcs per tray
- 10 trays for unit
- 500 pcs per carton
- 4 carton per box
- Total 2000 pcs per box

Size: 46 × 28 × 24 (cm)
## 6. History change record

<table>
<thead>
<tr>
<th>version No.</th>
<th>Change Items</th>
<th>Date</th>
<th>Drawn</th>
<th>Approved</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td>07/04/02</td>
<td>朱成兴</td>
<td>程久生</td>
</tr>
</tbody>
</table>

| 07/04/02    | 朱成兴     | 韩学慧   | 程久生     |

**BMS16-11C-16H3.7RW030 LF**