**BASS MIDDENGE**

HP170G0 W08PGP2511
102004G

**6\(\frac{1}{2}\)**" Coated paper cone
High impact polymer chassis

- Non resonant high impact polymer chassis
- Coated paper cone
- High loss rubber surround
- Built in cosmetic ring designed for front-rear and recessed mounting
- High temperature voice coil - 4 layers
- Aluminium former

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**Response Curve**

[Graph showing response curve with sensitivity and impedance curves]

**Waterfall**

[Graph showing waterfall with cumulative spectral decay and log frequency in Hz]

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Technical characteristics</th>
<th>Symbol</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Impedance</td>
<td>Z</td>
<td>6</td>
<td>(\Omega)</td>
</tr>
<tr>
<td>Resonance Frequency</td>
<td>Fs</td>
<td>51.6</td>
<td>Hz</td>
</tr>
<tr>
<td>Nominal Power Handling</td>
<td>P</td>
<td>45</td>
<td>W</td>
</tr>
<tr>
<td>Sensitivity (2.83 V - 1m)</td>
<td>E</td>
<td>88.6</td>
<td>dB</td>
</tr>
</tbody>
</table>

**VOICE COIL**

- Voice Coi Diameter: \(\phi \) 25 mm
- Minimum Impedance: \(Z_{\text{min}}\) 6.4 \(\Omega\)
- DC Resistance: \(Dcr\) 5.6 \(\Omega\)
- Voice Coil Inductance: \(L_{\text{in}}\) 1.14 mH
- Voice Coil Length: \(h\) 11 mm
- Armature: Aluminium
- Number of Layers: \(n\) 4
- Wire type: Round

**MAGNET**

- Magnet Dimensions: \(\phi \times h\) 72 x 15 mm
- Magnet Weight: \(m\) 0.245 kg
- Flux Density: \(B\) 1 T
- Force Factor: \(BL\) NA
- Weight of Magnetic Gap: \(He\) 4 mm
- Stray Flux: \(F_{\text{mag}}\)
- Linear Excursion: \(X_{\text{max}}\) ± 3.5 mm

**PARAMETERS**

- Suspension Compliance: \(C_{\text{ms}}\) 669 \(\mu\)N/mm
- Mechanical Q Factor: \(Q_{\text{ms}}\) 2.37
- Electrical Q Factor: \(Q_{\text{es}}\) 0.48
- Total Q Factor: \(Q_{\text{t}}\) 0.40
- Mechanical Resistance: \(R_{\text{ms}}\) 1.94 g/s
- Moving Mass: \(M_{\text{ms}}\) 14.19 g
- Effective Plate Area: \(S\) 132.73 cm²
- Volume Equivalent of Air at Con: \(V_{\text{eq}}\) 16.57 liters

**Suggested Applications**

<table>
<thead>
<tr>
<th>Vb</th>
<th>Fb</th>
<th>Dp</th>
<th>Lp</th>
<th>F-3</th>
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</thead>
<tbody>
<tr>
<td>15</td>
<td>52.7</td>
<td>6</td>
<td>16</td>
<td>52.2</td>
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<tr>
<td>20</td>
<td>52.5</td>
<td>6</td>
<td>11</td>
<td>48.2</td>
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