**TWEETER**

**High Efficiency 1” Dome**

**Horn Loaded. Textile 8Ω**

- 1”- horn loaded soft dome - 25 mm
- Very high efficiency (96 dB)
- Catenary Profile
- 1” laminate textile dome
- High impact polyamide horn
- Replaceable diaphragm
- Ferrofluid cooled voice coil (new generation - 250 cpe)

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**Response Curve**

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**Waterfall**

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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>PRIMARY APPLICATION</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nominal Impedance</td>
<td>$Z$</td>
<td>8</td>
<td>Ω</td>
</tr>
<tr>
<td>Resonance Frequency</td>
<td>$f_a$</td>
<td>1170</td>
<td>Hz</td>
</tr>
<tr>
<td>Normal Power Handling</td>
<td>$P$</td>
<td>70</td>
<td>W</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>$S$</td>
<td>86</td>
<td>dB</td>
</tr>
</tbody>
</table>

**VOICE COIL**

- Voice Coil Diameter: $\varnothing$ 25 mm
- Minimum Impedance: $Z_{min}$ 6.6 Ω
- DC Resistance: $R_e$ 5.6 Ω
- Voice Coil Inductance: $L_{vco}$ 11 mH
- Voice Coil Length: $L$ 1.6 mm
- Diameter: $\varnothing$ - mm
- Number of Layers: $n$ 2 -

**MAGNET**

- Magnet Dimensions: $a \times h$ 72 x 15 mm
- Magnet Weight: $m$ 0.24 kg
- Flux Density: $B$ 1.5 T
- Force Factor: $BL$ 2.9 NA
- Height of Magnetic Gap: $H$ 3 mm
- Stray Flux: $F_{mag}$ - Am²
- Linear Excursion: $X_{exc}$ ± 0.7 mm

**PARAMETERS**

- Suspension Compliance: $C_{susp}$ - mN
- Mechanical Q Factor: $Q_{ms}$ -
- Electrical Q Factor: $Q_e$ -
- Total Q Factor: $Q_{T}$ -
- Mechanical Resistance: $R_{ms}$ - kΩ
- Moving Mass: $M_{moving}$ 0.29 x 10⁻² kg
- Effective Plate Area: $A_{eff}$ 4.2 x 10⁻³ m²
- Volume Equivalent of Air at Cos: $V_{eq}$ - m³
- Mass of Speaker: $M$ 0.50 kg

**Suggested Applications**

<table>
<thead>
<tr>
<th>Crossover Frequency</th>
<th>Slope</th>
<th>Inductance</th>
<th>Capacitor</th>
<th>Power Handling</th>
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</thead>
<tbody>
<tr>
<td>Hz</td>
<td>dB / Oct.</td>
<td>mH</td>
<td>µF</td>
<td>W</td>
</tr>
<tr>
<td>5200</td>
<td>6</td>
<td>-</td>
<td>4.7</td>
<td>50</td>
</tr>
<tr>
<td>2800</td>
<td>12</td>
<td>0.47</td>
<td>6.8</td>
<td>70</td>
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