1" - SOFT DOME - 25 mm

"Catenary" profile
Extended frequency response
Replaceable voice coil assembly
1" impregnated textile dome
Solid aluminium face plate
Good efficiency - 90 dB / W/m.

Dôme profil "chainette"
Bande passante étendue
Equipage mobile interchangeable
Dôme 25 mm textile
Face aluminium massif
Bon rendement - 90 dB / W/m.

The "catenary" profile on our textile diaphragm provides maximum stiffness at the tip of the dome. The moving mass performs more like a perfect piston with no out of phase break up at the tip. The results are clear, smooth and transparent sound reproduction with good efficiency from 1 kHz to 20 kHz ± 2 dB and high power handling capacity of 55 W rms. Easily coupled with 2nd order crossover as shown Fig 1. Two crossover points are suggested for adequate power handling.

Le profil "chainette" de ce dôme textile procure une rigidité maximale au sommet du dôme. L'ensemble mobile a donc un comportement proche du piston parfait, sans génération de modes parasites. Il en résulte une reproduction sonore claire, délicate et transparente. Le rendement est de 90 dB de 4 kHz à 20 kHz ± 2 dB, la tenue en puissance confortable (55 W rms). Il peut être filtré au second ordre (12 dBD/Oct) selon le schéma Fig 1. Deux fréquences de coupure sont proposées afin d'obtenir la tenue en puissance adéquate.
**AUDAX**

**TW025A0**

**TWEETER**

**RESPONSE CURVE**

Sensitivity Mag - dB SPL/watt (8.0 ohm load) (0.16 oct)(eq)

- On axis
- 30° off-axis
- On IEC baffle

**IMPEDANCE CURVE**

**SPECIFICATIONS**

**Technical Characteristics**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Value</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Nominal Impedance</td>
<td>Z</td>
<td>8</td>
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<tr>
<td>Resonance Frequency</td>
<td>Fs</td>
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<tr>
<td>Nominal Power Handling</td>
<td>P</td>
<td>55</td>
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<tr>
<td>Sensitivity</td>
<td>E</td>
<td>90</td>
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</tbody>
</table>

**VOICE COIL**

- Voice coil diameter: Ø 25 mm
- Minimum Impedance: Zmin 6.5 Ω
- DC Resistance: Re 5.8 Ω
- Voice Coil inductance: Lvmn 11 μH
- Voice coil Length: h 1.6 mm
- Former: Aluminium
- Number of layers: n 2

**MAGNET**

- Magnet dimensions: Ø x h 72 x 15 mm
- Magnet weight: m 0.240 kg
- Flux density: B 1.5 T
- Force factor: BL 2.9 N/A°
- Height of magnetic gap: He 3 mm
- Stray flux: Fmag 110 Am°
- Linear excursion: Xmax 1.03 mm

**PARAMETERS**

- Suspension Compliance: Cms - mN/N°
- Mechanical Q Factor: Qms -
- Electrical Q Factor: Qes -
- Total Q Factor: Qts -
- Mechanical Resistance: Rms - kg/s°
- Moving Mass: Mms 0.29.10° kg
- Effective Piston Area: S 6.2.10° m²
- Volume Equivalent of Air at Cone: Vas - m³
- Mass of speaker: M 0.46 kg

**APPLICATION PARAMETERS**

<table>
<thead>
<tr>
<th>Fc</th>
<th>Crossover Frequency</th>
<th>Hz</th>
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<tr>
<td>S</td>
<td>Slope</td>
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<tr>
<td>L</td>
<td>Self-inductance</td>
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<td>C</td>
<td>Capacitor</td>
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<td>P</td>
<td>Nominal Power Handling</td>
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**INPUT**

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Please refer to method of measurement and measurement conditions pages 15 to 19.

Audax may, without prior notification, modify the specifications on its products further to research and development requirements.