1" - SOFT DOME - 25 mm

4 Ω

CAR LINE

Replaceable voice coil assembly
Hi-fi automotive specific design
1" impregnated textile dome
Injected polymer face plate

Equipage mobile interchangeable
Application hi-fi automobile
Dôme 25 mm textile
Face polymère injectée

The carefully designed "catenary" profile of this soft dome coupled with a critically damped textile allows clarity of sound reproduction, together with good efficiency from 4 kHz to 20 kHz ± 2 dB, high power handling capacity of 70 Wms. Specially designed for use in hi-fi systems in the automotive environment. Easily coupled with 2nd order crossover as shown Fig 1. Two crossover points are suggested for adequate power handling.

Doté d'un dôme souple de 25 mm en textile imprégné, d'un profil "chaînette" optimisé et d'un traitement amortissant, ce tweeter particulièrement musical conjugué les avantages d'un bon rendement, d'une linéarité exceptionnelle, de 4 KHz à 20 KHz ± 2 dB et d'une puissance admissible de 70 Wms. Sa configuration le destine plus particulièrement au secteur automobile. Il peut être filtré au second ordre (12 dB/Oct) selon le schéma Fig 1. Deux fréquences de coupure sont proposées afin d'obtenir la tenue en puissance adéquate.
AUDAX
LA PASSION DU HAUT-PARLEUR

RESPONSE CURVE

Sensitivity Mag - dB SPL/watt (1.0 ohm load) (0.16 oct)(eq)

IMPEDANCE CURVE

SPECIFICATIONS

Technical Characteristics | Symbol | Value | Units
--- | --- | --- | ---
**PRIMARY APPLICATION**
Nominal Impedance | Z | 4 | Ω
Resonance Frequency | Fs | 600 | Hz
Nominal Power Handling | P | 70 | W
Sensitivity | E | 86 | dB

**VOICE COIL**
Voice coil diameter | Ø | 25 | mm
Minimum Impedance | Zmin | 4.2 | Ω
DC Resistance | Re | 3.4 | Ω
Voice Coil Inductance | Lbm | 3.6 | μH
Voice coil Length | n | 1.7 | mm
Former | - | Aluminum -
Number of layers | n | 2 | -

**MAGNET**
Magnet dimensions | Ø × h | 60 × 10 | mm
Magnet weight | m | 0.104 | kg
Flux density | B | 1.2 | T
Force factor | BL | 2 | NA²
Height of magnetic gap | He | 3 | mm
Stray flux | Fmag | 43 | Am⁻¹
Linear excursion | xmax | ±0.3 | mm

**PARAMETERS**
Suspension Compliance | Cms | - | mN⁻¹
Mechanical Q Factor | Qms | - | -
Electrical Q Factor | Qes | - | -
Total Q Factor | Qts | - | -
Mechanical Resistance | Rms | - | kg s⁻²
Moving Mass | Mms | 0.3110⁻³ | kg
Effective Piston Area | S | 6.210⁻² | m²
Volume Equivalent of Air at C | Vas | - | m³
Mass of speaker | M | 0.25 | kg

**APPLICATION PARAMETERS**

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Please refer to method of measurement and measurement conditions pages 15 to 19.
Audax may, without prior notice, modify the specifications on its products further to research and development requirements.