

AUDAX

LA PASSION DU HAUT-PARLEUR

TW037Y0

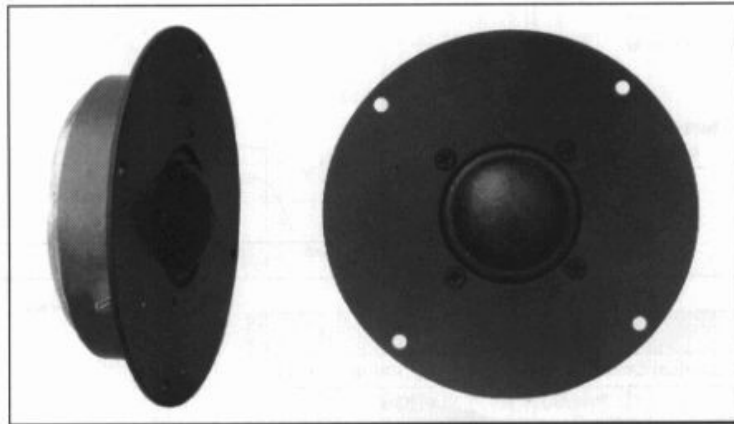
TWEETER

100821L

1 1/2" - SOFT DOME - 37 mm

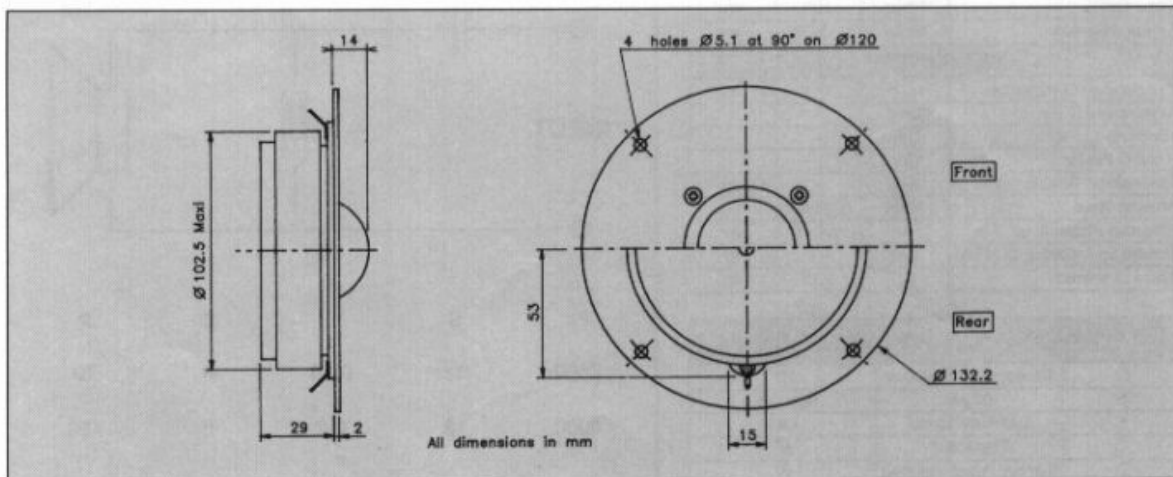
Replaceable voice coil assembly
1 1/2" impregnated textile dome
Tweeter-Midrange (1000 Hz-12 KHz)
Solid aluminium face plate

Equipage mobile interchangeable
Dôme 37 mm textile imprégné
Tweeter-Médium (1000 Hz-12 KHz)
Face aluminium massif



This 1 1/2" textile dome midrange-tweeter has been specifically designed for 3 or 4-way systems (1000 Hz - 12 kHz). Its low resonance frequency (650 Hz) allows extended midrange reproduction. The optimized damping of this midrange-tweeter dome offers a natural and clear sound with very smooth and linear response. Easily coupled with 2nd order crossover as shown Fig 1. Two crossover points are suggested for adequate power handling.

Ce tweeter-médium à dôme souple de 37 mm a été spécialement conçu pour des systèmes 3 ou 4 voies (1000 Hz - 12 kHz); Sa fréquence de résonance basse - 650 Hz - lui permet la reproduction des fréquences médium. L'amortissement optimisé du dôme textile de ce tweeter-médium procure un son naturel sans coloration et d'une douceur exceptionnelle. 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.



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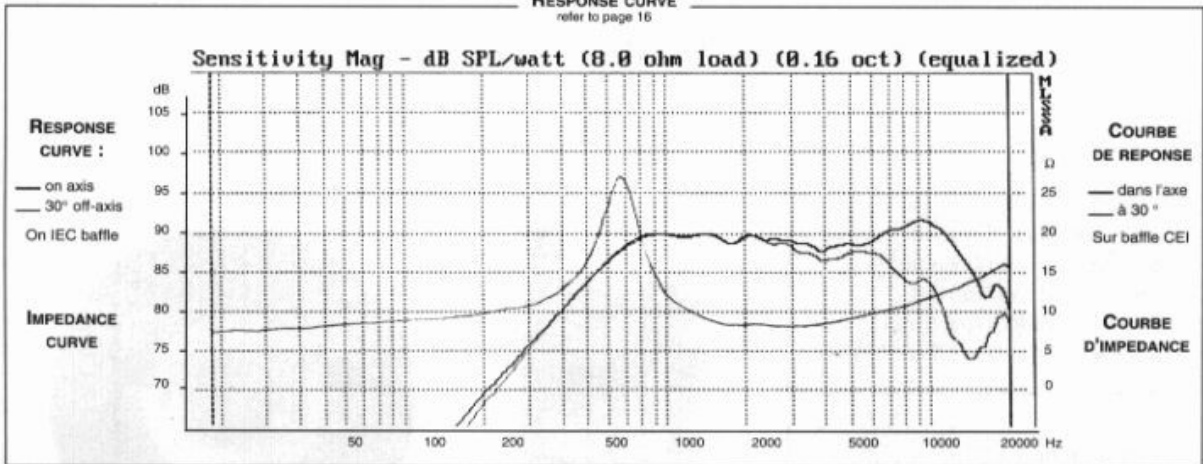
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TWEETER

RESPONSE CURVE
refer to page 16



SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
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PRIMARY APPLICATION

Nominal Impedance	Z	8	Ω
Resonance Frequency	Fs	650	Hz
Nominal Power Handling	P	70	W
Sensitivity	E	89	dB

VOICE COIL

Voice coil diameter	\varnothing	37	mm
Minimum Impedance	Zmin	8,1	Ω
DC Resistance	Re	5,5	Ω
Voice Coil Inductance	Lbm	190	μ H
Voice coil Length	h	3,5	mm
Former	-	Aluminium	-
Number of layers	n	2	-

MAGNET

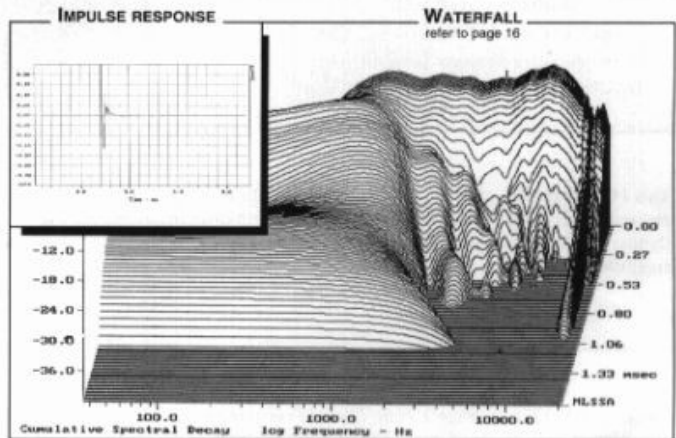
Magnet dimensions	\varnothing x h	100 x 18	mm
Magnet weight	m	0,55	kg
Flux density	B	1,4	T
Force factor	BL	5,06	NA ⁻¹
Height of magnetic gap	He	3	mm
Stray flux	Fmag	150	Am ⁻¹
Linear excursion	Xmax	$\pm 0,75$	mm

PARAMETERS

Suspension Compliance	Cms	-	mN ⁻¹
Mechanical Q Factor	Qms	-	-
Electrical Q Factor	Qes	-	-
Total Q Factor	Qts	-	-
Mechanical Resistance	Rms	-	kg s ⁻¹
Moving Mass	Mms	0,7.10 ⁻³	kg
Effective Piston Area	S	14.10 ⁻⁴	m ²
Volume Equivalent of Air at Gas	Vas	-	m ³
Mass of speaker	M	1,2	kg

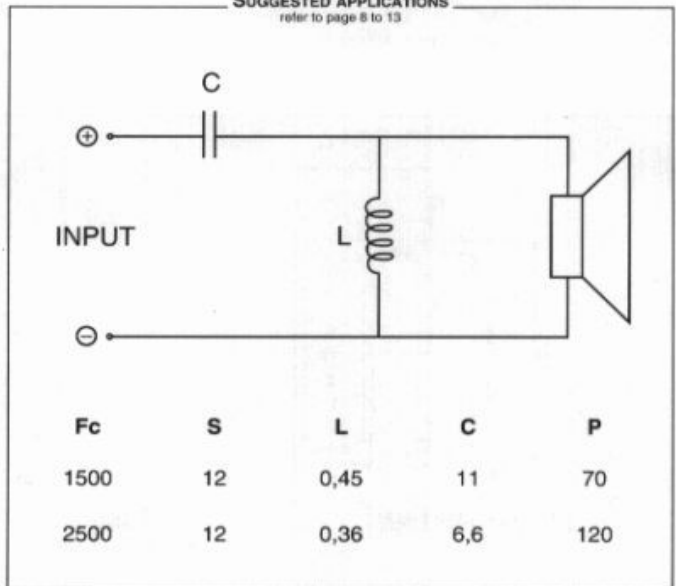
APPLICATION PARAMETERS

Fc	Crossover Frequency	Hz
S	Slope	dB / Oct.
L	Self-inductance	mH
C	Capacitor	μ F
P	Nominal Power Handling	W



SUGGESTED APPLICATIONS

refer to page 8 to 13



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.