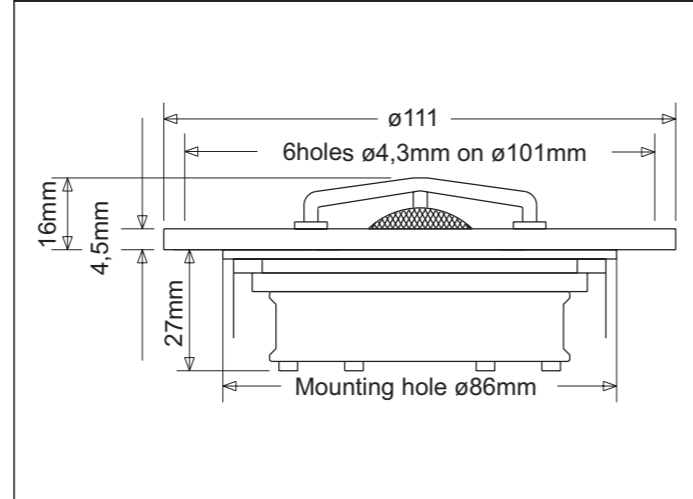


Dynaudio has relied on soft dome tweeters for reproducing natural high frequencies since the company's origins, having perfected the soft dome principle. The Esotar tweeter design requires an extremely time-consuming labor intensive process where the fine fabric diaphragm is shaped into a dome and then treated with a special precision coating.

The best material for a tweeter is experience: Dynaudio has earned a reputation as a manufacturer of the finest high frequency drivers available with its venerable Esotar tweeters, and the company has incorporated its most refined technologies into the new Esotar² 110 reference automotive tweeter – which purely lives up to the Esotar designation by offering the most accurate, nuanced and detailed high frequency performance in the world. The Esotar² 110 represents the state-of-the-art in tweeter design while never exhibiting a shrill or harsh sonic character typical of metal or exotic material tweeter designs.

The Esotar² 110 tweeter features a specially coated 28 mm (1.1") diameter fabric dome, an ultra-lightweight voice coil, an extremely powerful neodymium magnet, and an exceptional CNC-machined metal housing with a newly-developed damping back chamber. The performance is highlighted by extremely high power handling, effortless reproduction of dynamics, absolute clarity, natural tonal balance and incredible resolution.

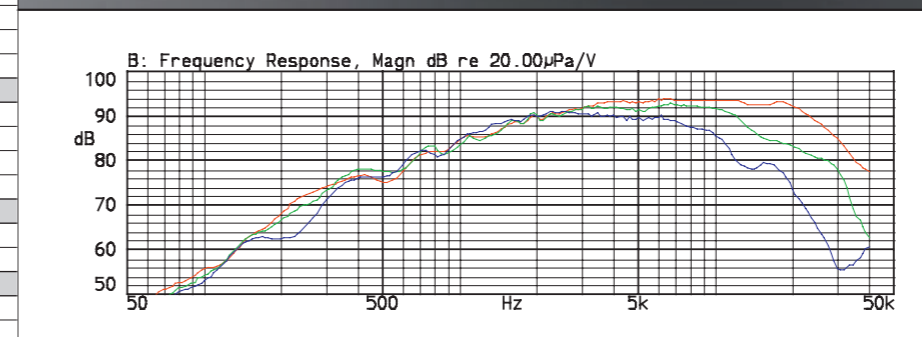
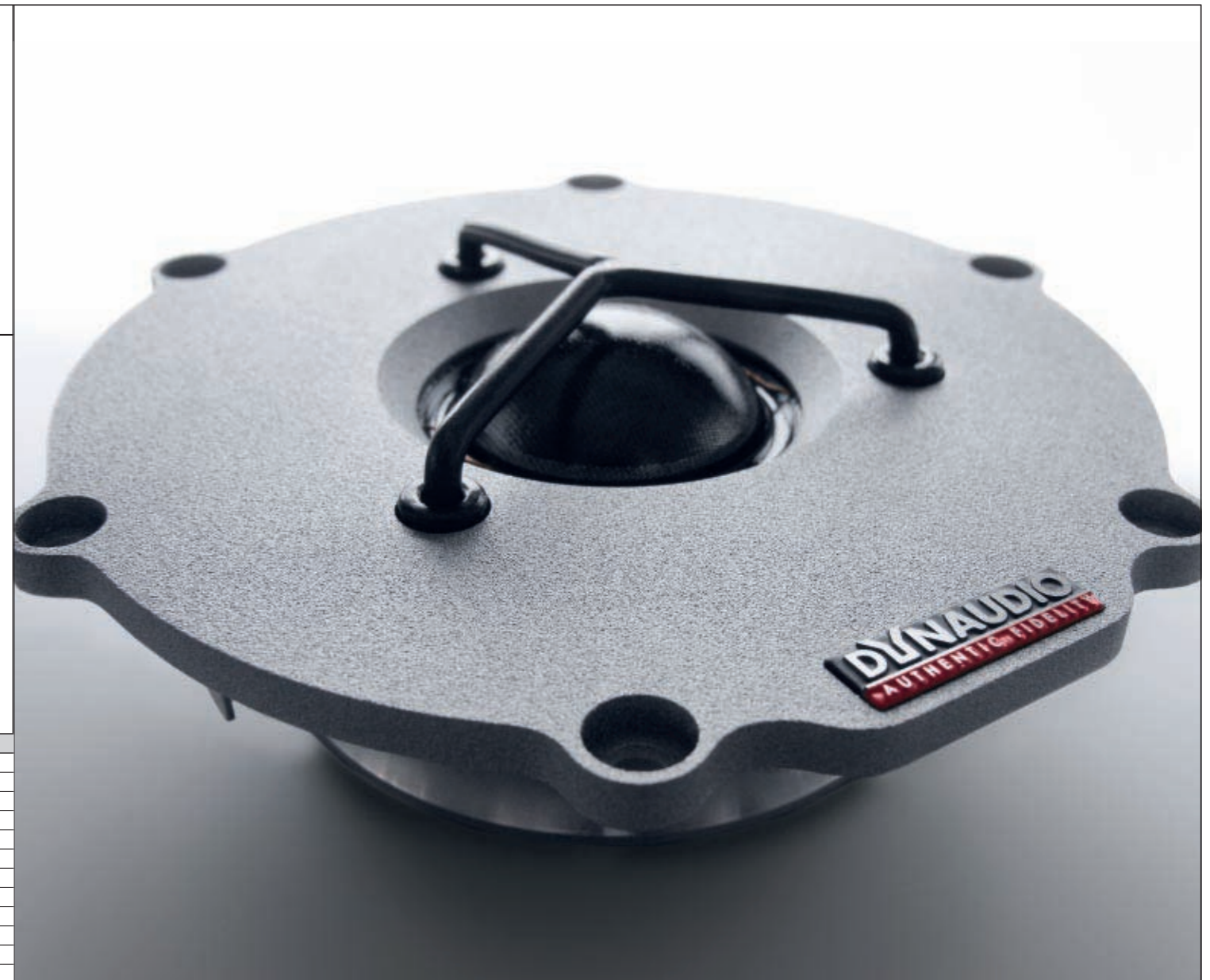
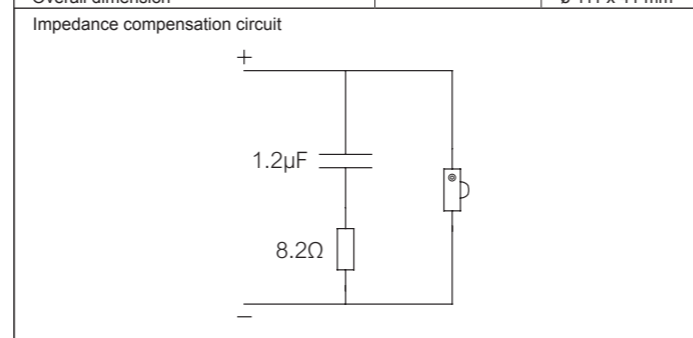


Thiele Small Parameters		
Nominal impedance	Znom	6 Ω
DC resistance	Re	5.2 Ω
Voice coil inductance	Le	- mH
Resonance frequency	fs	1000 Hz
Mechanical Q factor	Qms	-
Electrical Q factor	Qes	-
Total Q factor	Qts	-
Mechanical resistance	Rms	- kg/s
Moving mass (incl. air load)	Mms	- g
Suspension compliance	Cms	- mm/N
Effective dome diameter	d	3.1 mm
Effective piston area	Sd	7.7 cm ²
Equivalent volume	Vas	- l
Force factor	BL	- Tm
Recommended frequency range		2000–30000 Hz

Magnet and Voice Coil Properties		
Voice coil diameter	dc	28 mm
Voice coil height	hc	2.8 mm
Linear excursion, peak to peak		- mm
Max. excursion, peak to peak		- mm

Power Handling		
Nominal long term IEC		150 W
Transient (10 ms)		1000 W

Mechanical Properties		
Net weight		0.5 kg
Overall dimension		ø 111 x 41 mm



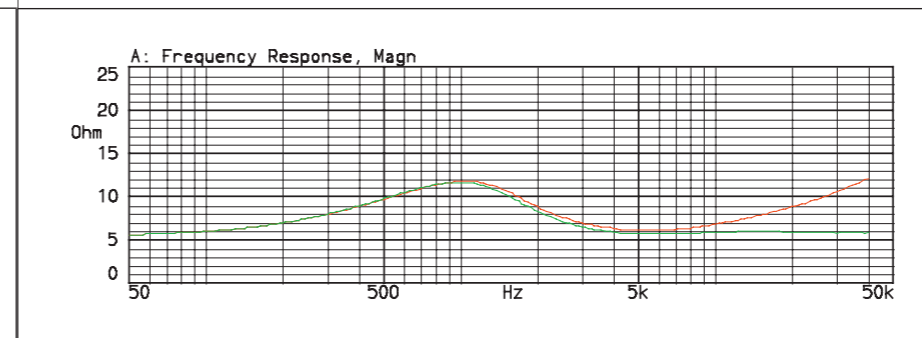
SPL

Red line: on-axis response
 Green line: 30° horizontal
 Blue line: 60° horizontal

Measurement conditions:
 Level: 2.83 V
 Distance: 1 m
 Measured in a large baffle

Facts

- Coated textile dome eliminates any high frequency break-ups
- Very strong neodymium magnet system with vented pole piece
- Open, spacious and detailed high frequency reproduction
- Excellent dynamic and transient performance



Impedance
 (with and without impedance correction circuit)

Red line: impedance, free air
 Green line: impedance, free air with compensation.

Measurement conditions:
 Level: 3.16 V, 50 ohm
 Driver in free air

- Integrated damped cavity chamber in the pole piece
- Variovent integrated in back plate
- Ferrofluid adds damping and increases power handling
- Aluminium voice coil wire results in a low moving mass
- Shallow mounting depth