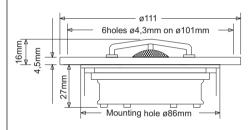
Soft Dome Tweeter Esotar² 110 Esotar² 110

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.

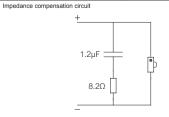
The best material for a tweeter is experience: Dynaudio has earned a reputation as a manufacturer of the finest high frequency drivers available with its venerable Esotar tweeters, and the company has incorporated its most refined technologies into the new Esotar² 110 reference automotive tweeter - which 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.

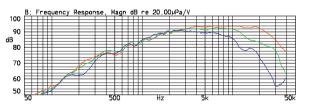




Thiele Small Parameters		
Nominal impedance	Znom	6 Ω
DC resistance	Re	5.2 Ω
Voice coil inductance	Le	- mH
Resonance frequency	fs	1000 Hz
Mechanical Q factor	Qms	-
Electrical Q factor	Qes	-
Total Q factor	Qts	-
Mechanical resistance	Rms	- kg/s
Moving mass (incl. air load)	Mms	- g
Suspension compliance	Cms	- mm/N
Effective dome diameter	d	3.1 mm
Effective piston area	Sd	7.7 cm ²
Equivalent volume	Vas	-1
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







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



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

Excellent dynamic and transient performance

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

Facts

Integrated damped cavity chamber in the pole piece

Variovent integrated in back

Ferrofluid adds damping and increases power handling

Aluminium voice coil wire results in a low moving mass

Shallow mounting depth

