SEAS EXCEL

T29X001
E0110-04

Ultra high performance tweeter featuring a Composite Sound Metamodal™ diaphragm (Second Generation TPCD) and the patented HEXADYM magnet system.

The TPCD dome is manufactured to SEAS specifications. By using this innovative material, the thickness, stiffness, and loss factor can be optimized at any given point, enabling an unprecedented control over the modal behaviour of the radiating surface.

The unique HEXADYM magnet system exhibits 6 radially magnetized NdFeB magnet blocks which allow for an efficient ventilation and minimization of any potential cavity resonances behind the moving parts. A copper sleeve is precisely mounted on-to the pole-piece to reduce nonlinear and modulation distortion.

A high temperature voice coil is wound on a titanium former, delivering an excellent force transfer and transient motion. The surround is made of a homogeneous and lightweight SONOMEX fabric material with high consistency and climatic stability, where the shape of the roll has been meticulously FEA-optimized.

The aluminium front plate has a carefully optimized small horn loading for an im-proved directivity control while bringing a sophisticated appearance.

The result is an extremely clean and vibrant sound that takes the listener to the next level. A superb choice for any loudspeaker system.
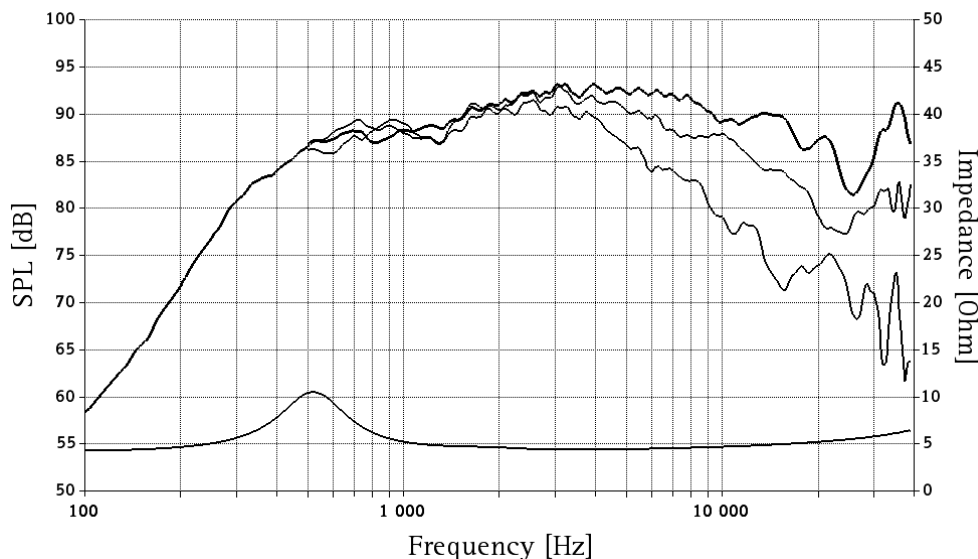
The frequency responses above show measured free field sound pressure in 0, 30, and 60 degrees, mounted in a 0.6m by 0.8m baffle. Input 2.83 Vrms, microphone distance 0.5m, normalized to SPL 1m. The impedance is measured without baffle using a 2V sine signal.
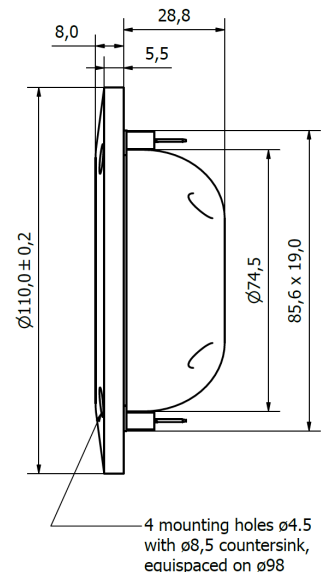
Nominal Impedance	4 Ohms	Voice Coil Resistance	3.6 Ohms
Recommended Frequency Range	2 - 30 kHz	Voice Coil Inductance	0.01 mH
Short Term Power Handling *	250 W	Force Factor	3,4 N/A
Long Term Power Handling *	120 W	Free Air Resonance	515 Hz
Characteristic Sensitivity (2,83V, 1m)	91 dB	Moving Mass	0.37 g
Voice Coil Diameter	26 mm	Effective Piston Area	8.0 cm²
Voice Coil Height	1.1 mm	Magnetic Gap Flux Density	1.6 T
Air Gap Height	2.5 mm	Magnet Weight	160 g
Linear Coil Travel (p-p)	1.4 mm	Total Weight	0.37 kg

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*IEC 268-5, via High Pass Butterworth Filter 2500Hz 12dB/oct.
SEAS reserves the right to change technical data

RoHS compliant product

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