

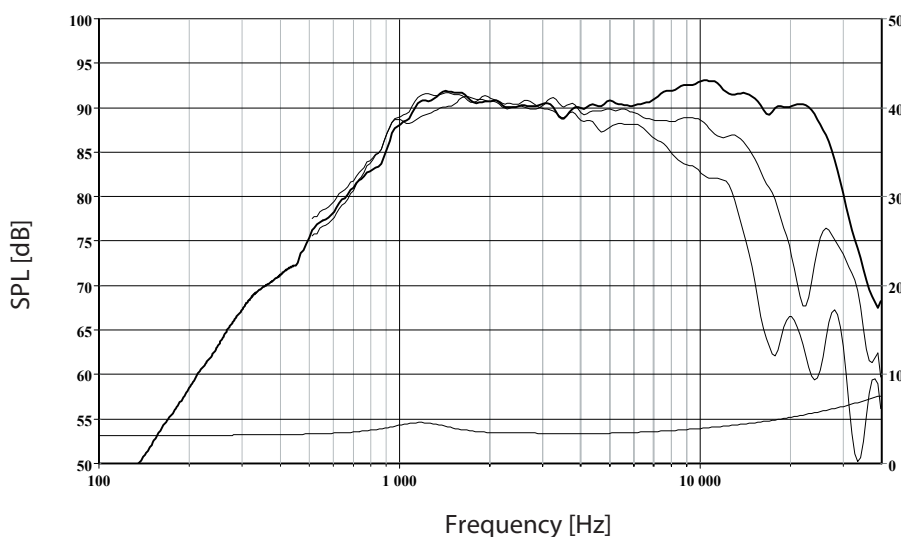
Compact design neodymium magnet tweeter for high quality speaker designs in small cabinets.

The diaphragm is vacuum formed from a precoated fabric. This unique SEAS technology gives a vast improvement in consistency compared with other coating methods. Careful matching of fabric and coating results in a very smooth frequency response throughout the audible frequency range and gives a very high degree of stability against changes in air temperature and humidity.

A wide roll surround together with a double chamber magnet system results in a low fundamental frequency.

The construction of the magnet system results in very low magnetic stray fields since the magnet is enclosed in a soft steel housing. Thus, this unit is immediately ready for Audio-video systems.

The voice coil is immersed in magnetic fluid, allowing high power handling capacity and simplified crossover design.



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	2.7 Ohms
Recommended Frequency Range	2500 - 30000 Hz	Voice Coil Inductance	0.03 mH
Short Term Power Handling *	200 W	Force Factor	1.9 N/A
Long Term Power Handling *	80 W	Free Air Resonance	1170 Hz
Characteristic Sensitivity (2.83V, 1m)	91 dB	Moving Mass	0.26 g
Voice Coil Diameter	26 mm	Effective Piston Area	7.5 cm ²
Voice Coil Height	1.1 mm	Magnetic Gap Flux Density	1.2 T
Air Gap Height	2 mm	Magnet Weight	0.01 kg
Linear Coil Travel (p-p)	0.9 mm	Total Weight	0.1 kg