

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

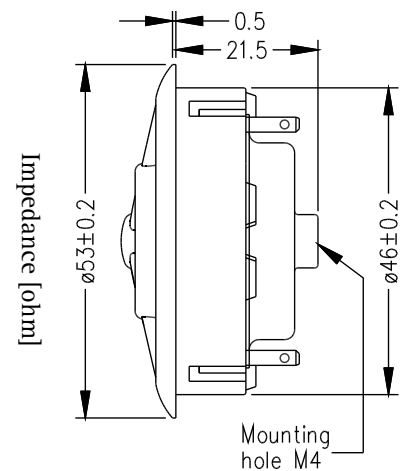
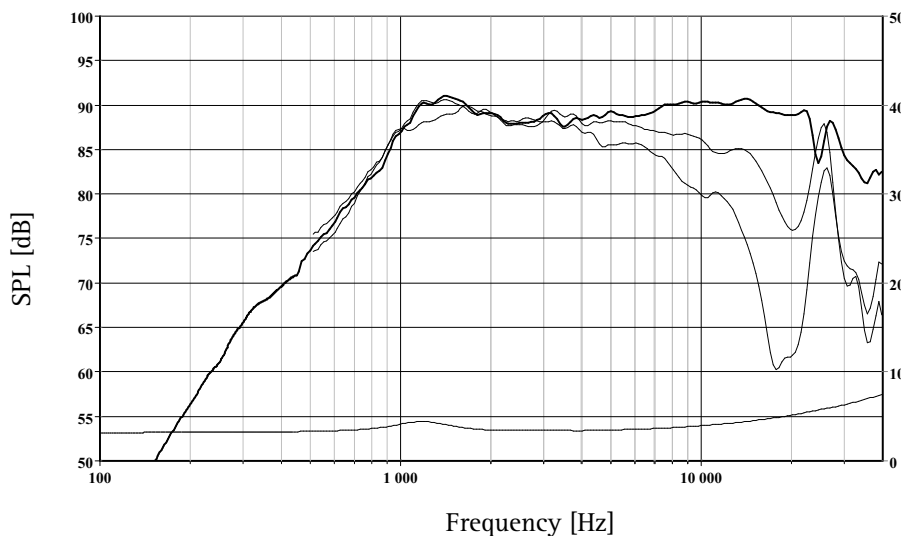
Aluminium/magnesium alloy diaphragm with pistonic behaviour throughout the audible frequency range, resulting in a good dispersion also above 10kHz.

Wide roll Sonomex surround together with a double chamber magnet system results in a low resonance frequency.

The critically designed diffusor compensates for a slight axial roll off towards 20 kHz and reduces resonances above 20kHz.

Very low magnetic stray fields makes this unit suitable for A/V systems.

Voice coil 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 *	220 W	Force Factor	1.9 N/A
Long Term Power Handling *	90 W	Free Air Resonance	1170 Hz
Characteristic Sensitivity (2.83V, 1m)	90 dB	Moving Mass	0.30 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