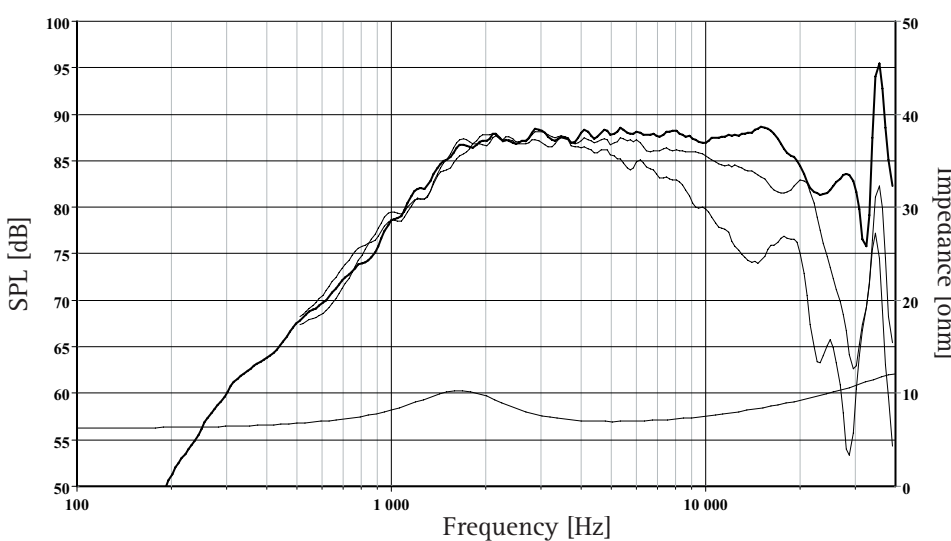
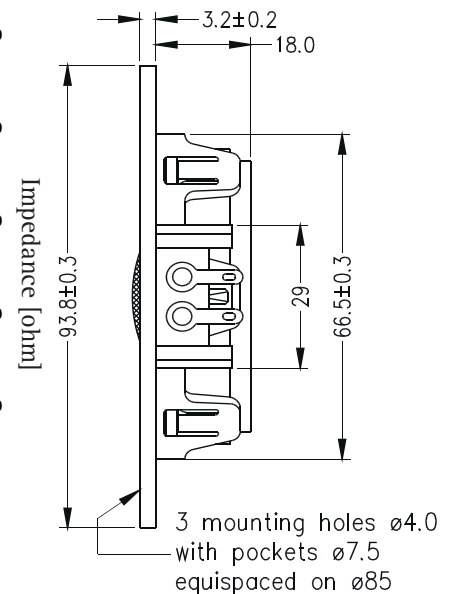


19mm High Fidelity dome tweeter with smooth, extended frequency response. The chassis is injection moulded in high grade glass fibre reinforced plastic. The diaphragm is made from a thin aluminium sheet and suspended by a specially designed soft surround which allows for a low fundamental frequency. A fine mesh grid protects the diaphragm and carries a phase plate which compensates for a slight axial roll of fowards 20 kHz.

The voice coil is wound on an aluminium voice coil former with ventilating holes which eliminate problems connected with resonances in the internal cavities. The voice coil windings are immersed in magnetic fluid to increase short term power handling capacity, to reduce the compression at high power levels and to significantly reduce the Q factor.



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	8 Ohms	Voice Coil Resistance	6.2 Ohms
Recommended Frequency Range	4000 - 20000Hz	Voice Coil Inductance	0.05 mH
Short Term Power Handling *	220 W	Force Factor	2.6 N/A
Long Term Power Handling *	90 W	Free Air Resonance	1700 Hz
Characteristic Sensitivity (2.83V, 1m)	88 dB	Moving Mass	0.23 g
Voice Coil Diameter	19.5 mm	Effective Piston Area	4.0 cm ²
Voice Coil Height	1.5 mm	Magnetic Gap Flux Density	1.4 T
Air Gap Height	2.0 mm	Magnet Weight	0.12 kg
Linear Coil Travel (p-p)	0.5 mm	Total Weight	0.30 kg