

27TAFNC/D H1397

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.







Frequency [Hz]

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

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*IEC 268-5, via High Pass Butterworth Filter 2500Hz 12 dB/oct. SEAS reserves the right to change technical data T27-811