25TAFN/QG H0623

Compact neodymium magnet tweeter with a square chassis for high quality speaker design in small cabinets or automobiles.

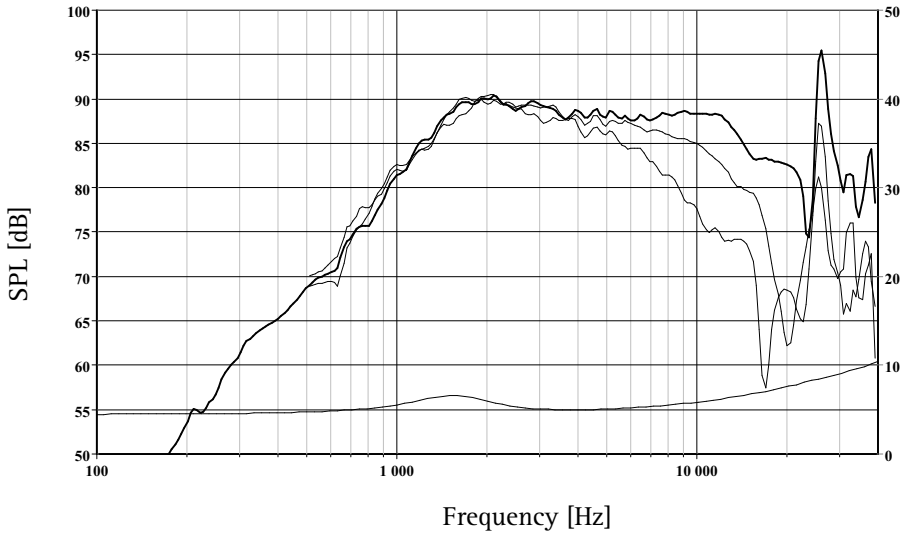
Aluminium/magnesium alloy diaphragm with pistonic behaviour throughout the audible frequency range, resulting in a good dispersion also above 10kHz.

Sonotex surround for excellent mechanical linearity.

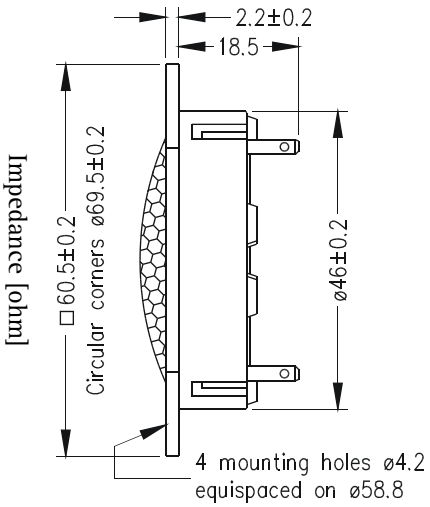
A Hexagrid protects the diaphragm, and supports a phase plate which compensates for a slight axial roll off towards 20 kHz.

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	6 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

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*IEC 268-5, via High Pass Butterworth Filter 2500Hz 12 dB/oct.

T25-811

RoHS compliant product