27TTFNC/GW
H1461

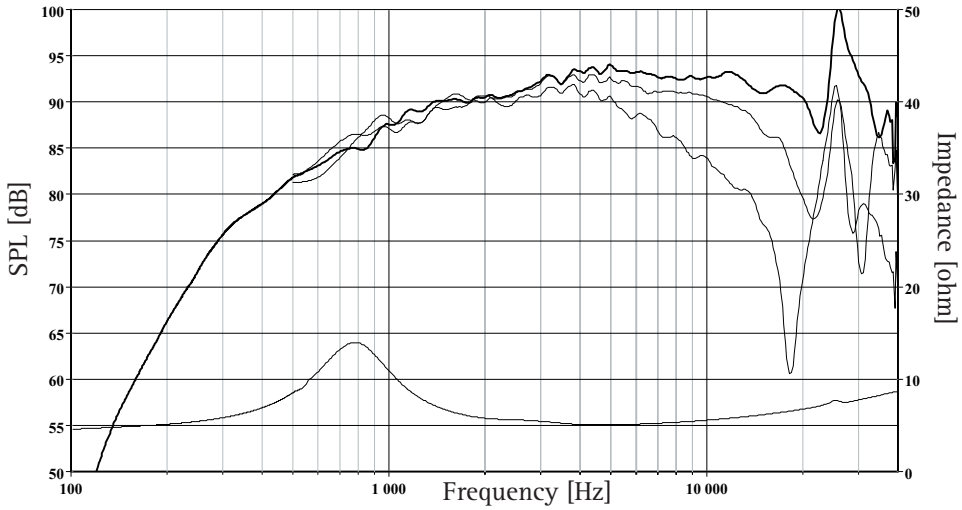
27mm High Definition titanium dome tweeter with a wide, soft polymer surround. The dome and surround materials give high consistency and excellent stability against variations in air humidity.

The diaphragm is protected by a highly perforated hexagrid carrying an acoustic lens which tailors the high frequency roll off characteristic.

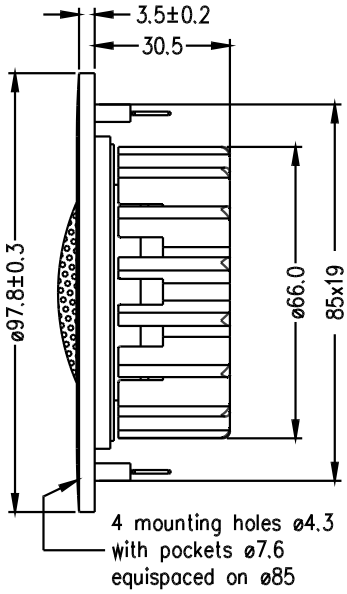
The voice coil is wound on an aluminum voice coil former with adequate ventilating holes to eliminate noise from internal air flow. Low viscosity magnetic fluid efficiently conducts heat from the coil to the magnet system. Flexible lead out wires allow this driver to be used with low crossover frequencies.

The powerful magnet system is based on a high grade neodymium ring magnet for exceptional sensitivity and control. A stiff and stable rear chamber made from extruded aluminum is equipped with cooling fins and black anodized for excellent heat transfer and high power handling.

The chassis is precision moulded from glass fibre reinforced plastic, and it's front design offers optimum radiation conditions.



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	4.9 Ohms
Recommended Frequency Range	2500 - 25000 Hz	Voice Coil Inductance	0.05 mH
Short Term Power Handling *	230 W	Force Factor	3.9 N/A
Long Term Power Handling *	100 W	Free Air Resonance	750 Hz
Characteristic Sensitivity (2.83V, 1m)	91.5 dB	Moving Mass	0.32 g
Voice Coil Diameter	26 mm	Effective Piston Area	7.0 cm^2
Voice Coil Height	1.5 mm	Magnetic Gap Flux Density	1.95 T
Air Gap Height	2 mm	Magnet Weight	53 g
Linear Coil Travel (p-p)	0.5 mm	Total Weight	0.29 kg

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