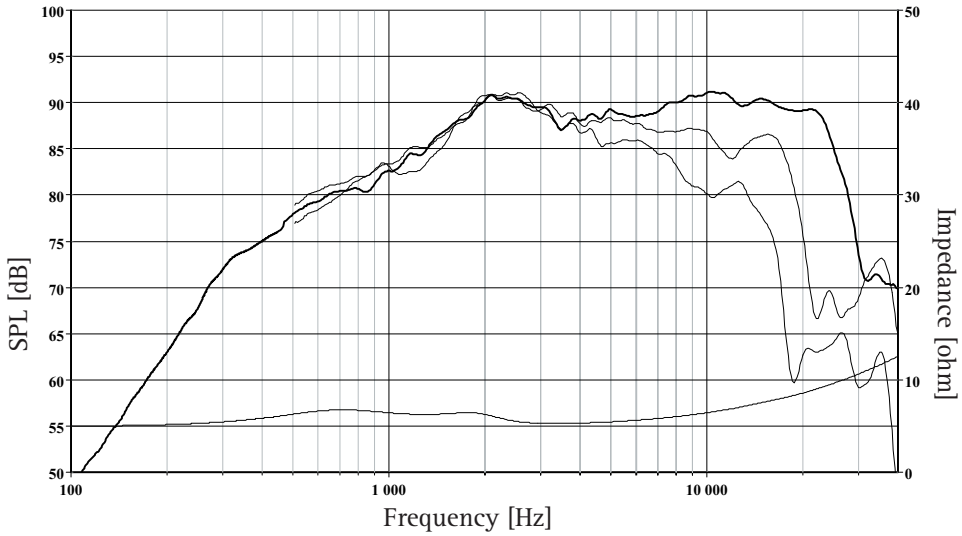
RT27F L0004

High End automotive tweeter.

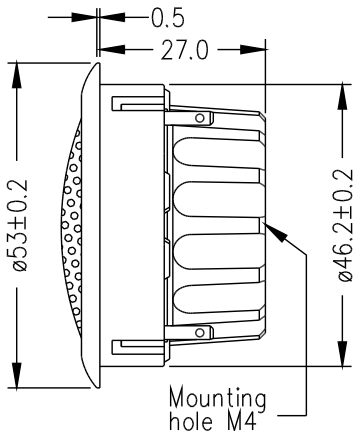
An optimally shaped 27mm diaphragm which gives well-controlled behaviour through the entire high frequency band. This diaphragm is produced from SONOLEX, a proprietary material developed and manufactured only by SEAS. The SONOLEX process pre-coats the fabric 4 times with a damping/sealing material, resulting in excellent acoustic performance and consistency.

An efficient neodymium magnet system in a substantial injection-moulded rear chamber eliminates unwanted chamber resonances and secures an optimal frequency response.

Low viscosity magnetic fluid provides excellent cooling of the voice coil while maintaining a low resonance frequency.



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 - 30000 Hz	Voice Coil Inductance	0.05 mH
Short Term Power Handling *	180 W	Force Factor	1.9 N/A
Long Term Power Handling *	80 W	Free Air Resonance	800 Hz
Characteristic Sensitivity (2.83V, 1m)	90 dB	Moving Mass	0.26 g
Voice Coil Diameter	26 mm	Effective Piston Area	7.5 cm^2
Voice Coil Height	1.5 mm	Magnetic Gap Flux Density	2.0 T
Air Gap Height	2 mm	Magnet Weight	0.01 kg
Linear Coil Travel (p-p)	0.5 mm	Total Weight	0.15 kg

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

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RoHS compliant product

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