

The Reference range tweeter RT27F is a high end car audio tweeter designed for those seeking the most precise and realistic sound reproduction in their cars.

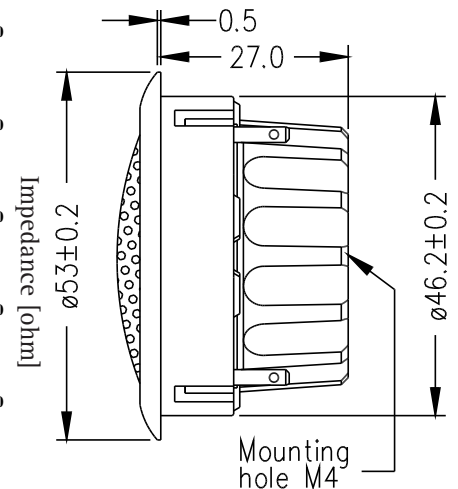
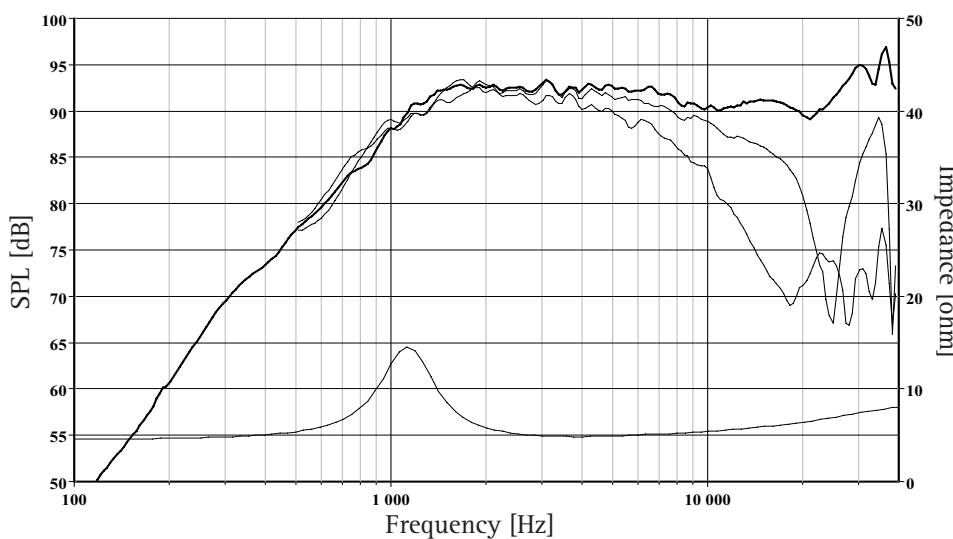
An optimally shaped 27mm diaphragm which gives well-controlled behaviour through the entire high frequency band. This diaphragm is produced from SONOTEX, a proprietary material developed and manufactured only by SEAS. The SONOTEX process pre-coats the fabric 4 times with a damping/sealing material, resulting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

New modern front plate with wider mounting diameter.

A substantial injection-moulded rear chamber, with complex internal shape and reinforcing ribs, which eliminate unwanted chamber resonances and reflections and improve head transfer.

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

Efficient neodymium magnet system



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.

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| 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 | 3.3 N/A |
| Long Term Power Handling * | 80 W | Free Air Resonance | 1100 Hz |
| Characteristic Sensitivity (2.83V, 1m) | 92 dB | Moving Mass | 0.23 g |
| Voice Coil Diameter | 19.5 mm | Effective Piston Area | 5.9 cm ² |
| Voice Coil Height | 1.5 mm | Magnetic Gap Flux Density | 2.0 T |
| Air Gap Height | 2 mm | Magnet Weight | 0.25 kg |
| Linear Coil Travel (p-p) | 0.5 mm | Total Weight | 0.5 kg |