

↑ The Reference range woofer RW165/1 is a high end car audio woofer designed for those seeking the most precise and realistic sound reproduction in their cars.

Heavy copper rings mounted above and below the T-shaped pole piece, to reduce non linear and modulation distortion and to increase overload margin.

Precision cast and surface treated magnesium cone, acting like a piston. Worldwide, SEAS is the only manufacturer to offer this technology.

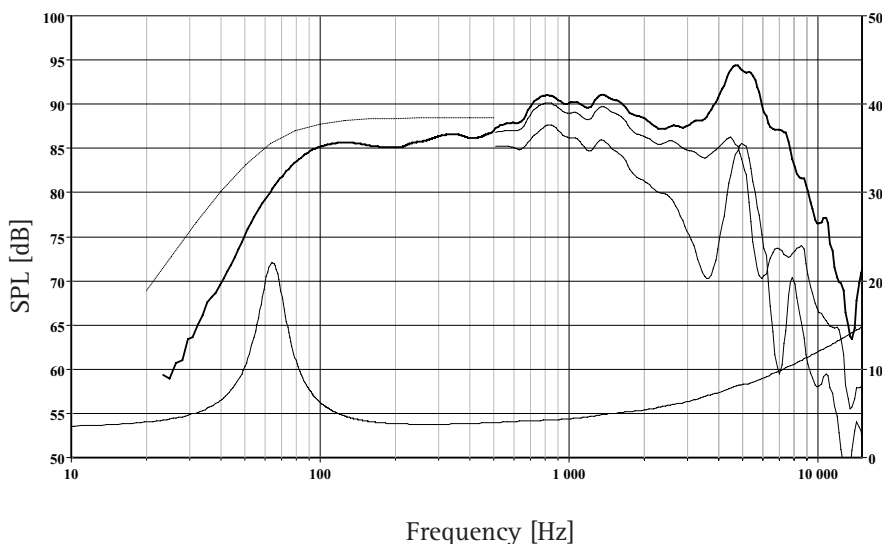
Black anodised aluminium voice coil former for increased power handling.

H2 lead out wires for reduced resonances and roping problems.

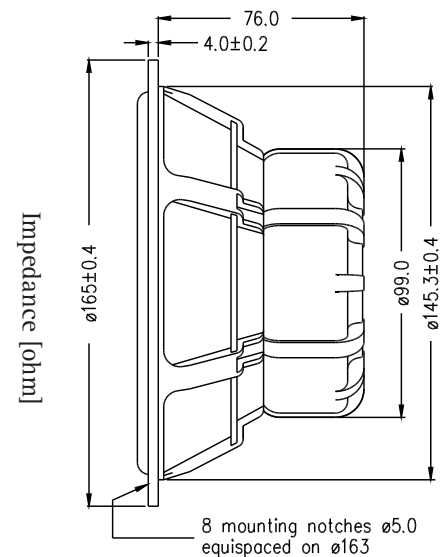
A solid brass phase plug/satin chrome surface enhances the performance of the copper rings and improves heat conduction away from the pole piece. Extremely stiff and stable injection moulded metal basket to keep the critical components in perfect alignment.

Magnet system with bumped back plate makes room for extreme coil excursions. Rubber cup around the magnet system for protection and reducing enclosure reflections. Gold plated terminals mounted on a stiff glass fibre reinforced plate to reduce contact resistance and improve reliability.

Rec. Enc. Size Closed cabinet flat response: 6 -8 L



The frequency responses above show measured free field sound pressure in 0, 30, and 60 degrees angle using a 12l closed box. Input 2.83 V<sub>RMS</sub>, microphone distance 0.5m, normalized to SPL 1m. The dotted line is a calculated response in infinite baffle based on the parameters given for this specific driver. The impedance is measured in free air without baffle using a 2V sine signal.



Nominal Impedance	4 Ohms	Voice Coil Resistance	3.2 Ohms
Recommended Frequency Range	50 - 3000 Hz	Voice Coil Inductance	0.45 mH
Short Term Power Handling *	250 W	Force Factor	6.0 N/A
Long Term Power Handling *	100 W	Free Air Resonance	64 Hz
Characteristic Sensitivity (2.83V, 1m)	88.5 dB	Moving Mass	19.0 g
Voice Coil Diameter	39 mm	Air Load Mass In IEC Baffle	0.82 g
Voice Coil Height	14 mm	Suspension Compliance	0.3 mm/N
Air Gap Height	6 mm	Suspension Mechanical Resistance	1.88 Ns/m
Linear Coil Travel (p-p)	8 mm	Effective Piston Area	126 cm <sup>2</sup>
Maximum Coil Travel (p-p)	19 mm	VAS	7 Litres
Magnetic Gap Flux Density	0.88 T	QMS	4.24
Magnet Weight	0.42 kg	QES	0.71
Total Weight	1.70 kg	QTS	0.61