

30 cm High End automotive subwoofer

The SW300/1 is a High End Car Audio Subwoofer with low distortion. This is the choice for those seeking a precise and realistic reproduction of the lowest frequency range in their cars.

Optimally shaped aluminum cone.

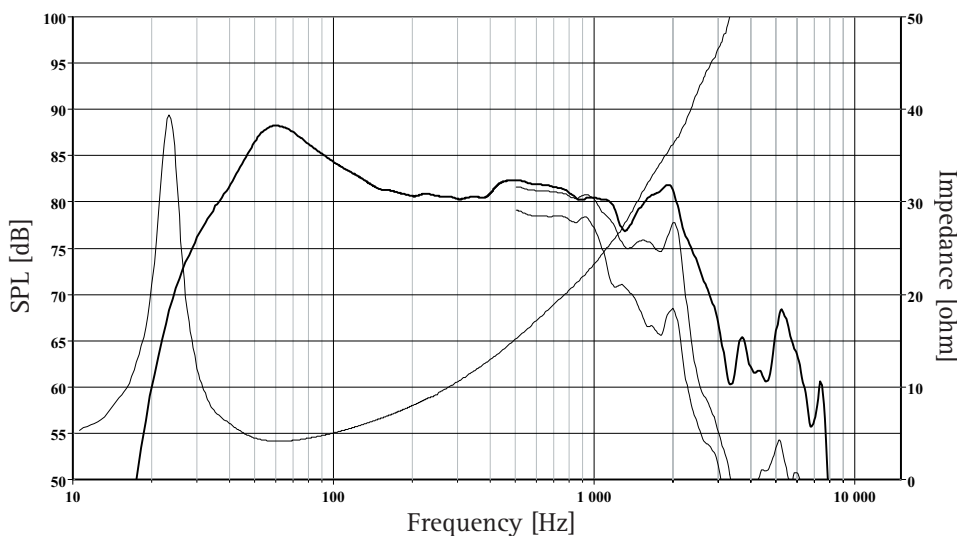
The lead out wires are integrated in the spider for long life and noise free performance at large excursions.

Wide natural rubber surround for optimum performance over a wide temperature range.

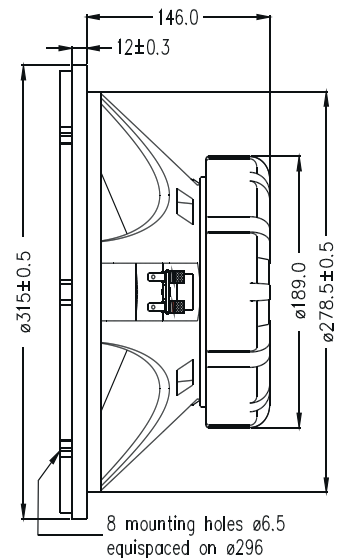
Stiff and stable injection moulded metal basket to keep the moving parts in perfect alignment under normal and extreme conditions.

Extremely high temperature voice coil with Kapton former.

Screw terminals ensure excellent long term contact with the speaker cables.



The frequency responses above show measured free field sound pressure in 0, 30, and 60 degrees angle using a 31l closed box. Input 2.83 V_{RMS}, 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	3.4 Ohms
Recommended Frequency Range	30 - 500 Hz	Voice Coil Inductance	5.82 mH
Short Term Power Handling *	500 W	Force Factor	12.1 N/A
Long Term Power Handling *	180 W	Free Air Resonance	23 Hz
Characteristic Sensitivity (2.83V, 1m)	92.0 dB	Moving Mass	158 g
Voice Coil Diameter	52 mm	Air Load Mass In IEC Baffle	6.1 g
Voice Coil Height	37 mm	Suspension Compliance	0.3 mm/N
Air Gap Height	10 mm	Suspension Mechanical Resistance	4.0 Ns/m
Linear Coil Travel (p-p)	27 mm	Effective Piston Area	480 cm ²
Maximum Coil Travel (p-p)	44 mm	VAS	94 Litres
Magnetic Gap Flux Density	0.66 T	QMS	5.92
Magnet Weight	5.80 kg	QES	0.56
Total Weight	7.1kg	QTS	0.51