RM120 L0021

High End automotive midrange.

The manually coated paper cone and the mechanically matching natural rubber surround result in an unusually smooth midrange response.

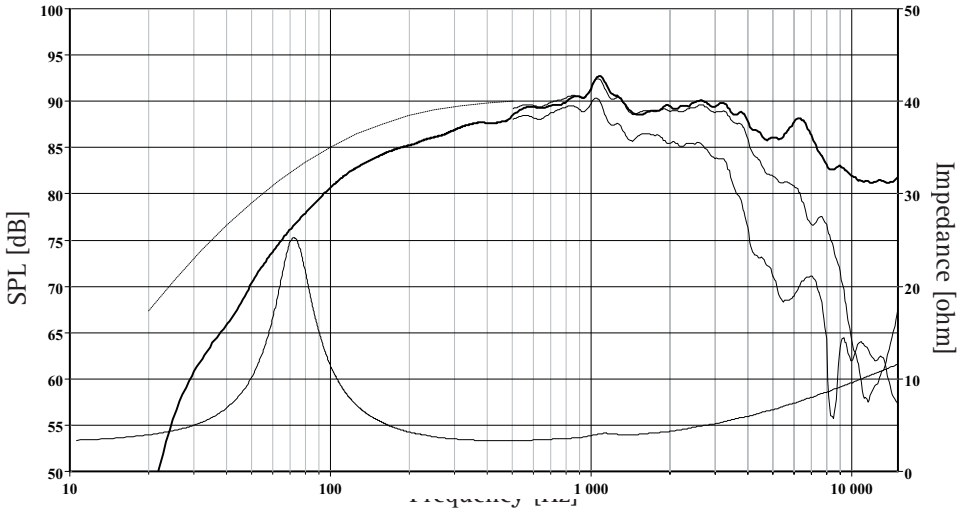
Heavy copper rings mounted above and below the T-shaped pole piece reduce non linear and modulation distortion and increase overload margin.

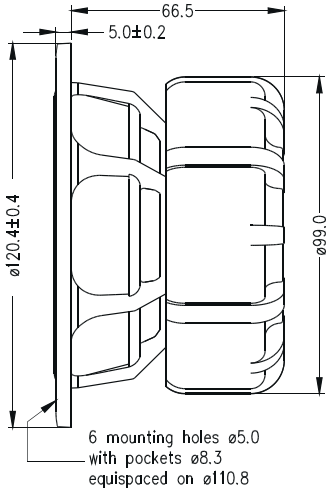
The large magnet system provides good sensitivity and transient response.

The chrome plated brass phase plug reduces compression due to temperature variations in the voice coil, increases long term power handling capacity and eliminates resonances in the cavity inside the voice coil former.

The extremely stiff and stable injection moulded zinc basket keeps the critical components in perfect alignment. Large windows in the basket both above and below the spider reduce sound reflexion, air flow noise and cavity resonance to a minimum.

Gold plated terminals mounted on a glass fibre reinforced plate reduce contact resistance and improve reliability.





The frequency responses above show measured free field sound pressure in 0, 30, and 60 degrees angle using a 2.5l closed box. Input 2.83 Vrms, 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	3.0 Ohms
Recommended Frequency Range	300 - 5000 Hz	Voice Coil Inductance	0.25 mH
Short Term Power Handling *	400 W	Force Factor	4.0 N/A
Long Term Power Handling *	110 W	Free Air Resonance	72 Hz
Characteristic Sensitivity (2.83V, 1m)	90.5 dB	Moving Mass	4.55 g
Voice Coil Diameter	26 mm	Air Load Mass In IEC Baffle	0.2 g
Voice Coil Height	9.4 mm	Suspension Compliance	1.1 mm/N
Air Gap Height	6 mm	Suspension Mechanical Resistance	0.73 Ns/m
Linear Coil Travel (p-p)	3.4 mm	Effective Piston Area	50 cm^2
Maximum Coil Travel (p-p)	-	VAS	4 Litres
Magnetic Gap Flux Density	1.1 T	QMS	2.95
Magnet Weight	0.42 kg	QES	0.40
Total Weight	1.30 kg	QTS	0.35

*IEC 268-5, via high pass butterworth filter 800Hz 6db/oct.

SEAS reserves the right to change technical data

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RoHS compliant product

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