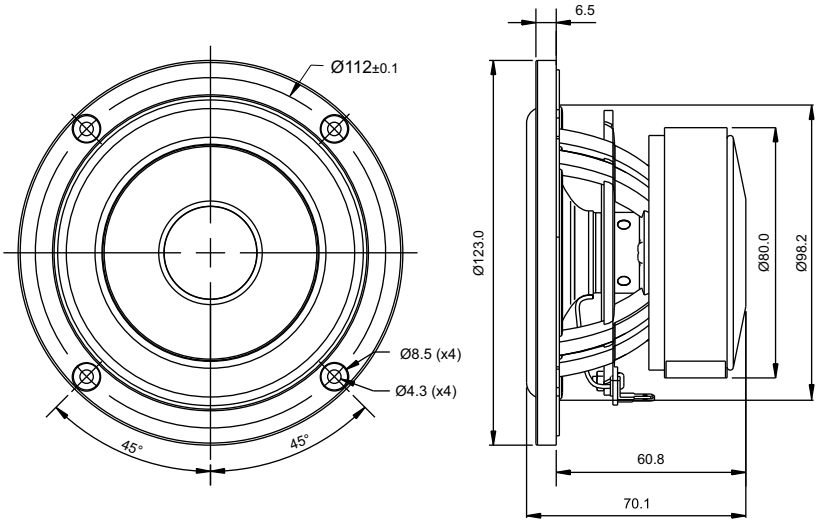
SB ACOUSTICS

4” SB12MNRX2-25-4

Prototype Data



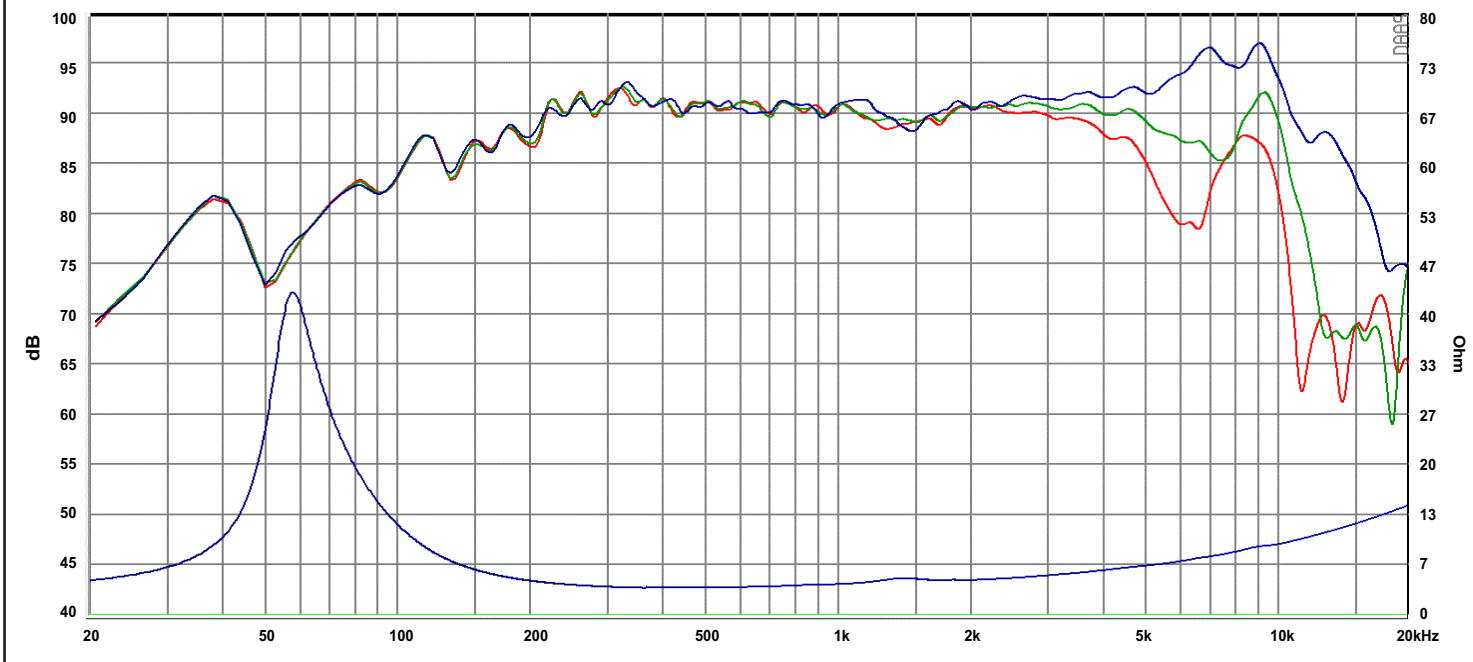
FEATURES

- Proprietary cone material with natural fibres made in-house
- Shortened voice coil optimized for pure midrange reproduction
- High damping Butyl rubber surround for non-resonant sound character
- Vented pole piece for reduced compression
- Vented cast aluminium chassis for optimum strength and low compression
- CCAW voice coil for reduced moving mass
- Long life silver lead wires
- Non-conducting fibre glass coil former for minimum damping

Specs :

Nominal Impedance	4 Ω	Free air resonance, Fs	58 Hz
DC resistance, Re	3.2 Ω	Sensitivity (2.83 V / 1 m)	91 dB
Voice coil inductance, Le	0.15 mH	Mechanical Q-factor, Qms	3.60
Effective piston area, Sd	50 cm^2	Electrical Q-factor, Qes	0.29
Voice coil diameter	25.4 mm	Total Q-factor, Qts	0.27
Voice coil height	9.4 mm	Moving mass incl.air, Mms	4.1 g
Air gap height	5 mm	Force factor, Bl	4.1 Tm
Linear coil travel (p-p)	4.4 mm	Equivalent volume, Vas	6.3 liters
Magnetic flux density	1.03 T	Compliance, Cms	1.77 mm/N
Magnet weight	0.4 kg	Mechanical loss, Rms	0.4 kg/s
Net weight	0.92 kg	Rated power handling*	50 W

* IEC 268-5, high-pass Butterworth, 200 Hz, 12 dB/oct.



(IEC baffle, mic. distance 31.6 cm, SPL shown for 2.83 V / 1 m)

Response Curve :

(Blue) : on axis (Green) : 30° off-axis (Red) : 60° off-axis

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