

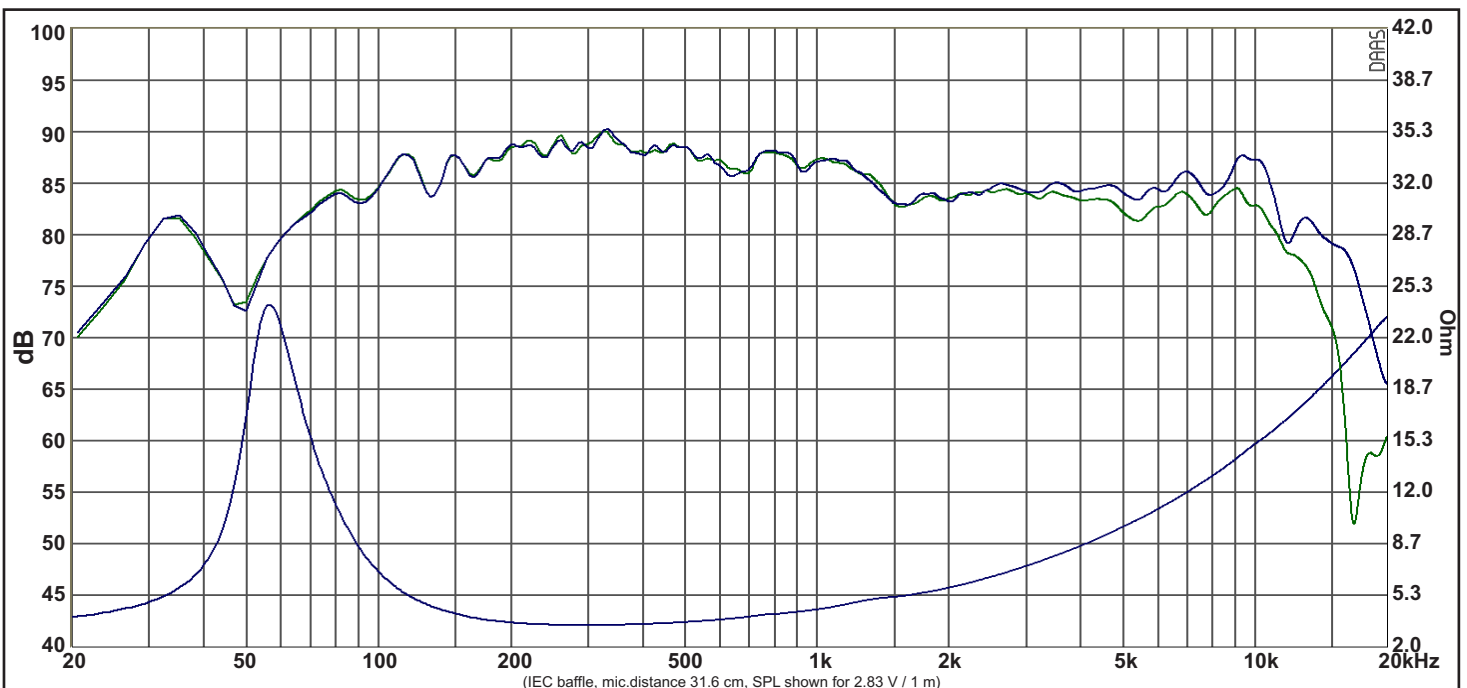
FEATURES

- Vented reinforced plastic chassis
- Proprietary cone material with natural fibers made in-house
- Butyl rubber surround for smooth frequency response
- Vented motor system for low compression
- Long stroke linear suspension for improved dynamics
- Non-resonant long life lead wires

Specs :

Nominal Impedance	4 Ω	Free air resonance, Fs	58 Hz
DC resistance, Re	3.1 Ω	Sensitivity (2.83 V / 1 m)	87.5 dB
Voice coil inductance, Le	0.26 mH	Mechanical Q-factor, Qms	3.4
Effective piston area, Sd	50 cm ²	Electrical Q-factor, Qes	0.49
Voice coil diameter	25.4 mm	Total Q-factor, Qts	0.43
Voice coil height	15 mm	Moving mass incl.air, Mms	5.3 g
Air gap height	5 mm	Force factor, Bl	3.5 Tm
Linear coil travel (p-p)	10 mm	Equivalent volume, Vas	5.2 liters
Magnetic flux density	0.84 T	Compliance, Cms	1.47 mm/N
Magnet weight	0.32 kg	Mechanical loss, Rms	0.6 kg/s
Net weight	0.7 kg	Rated power handling*	30 W

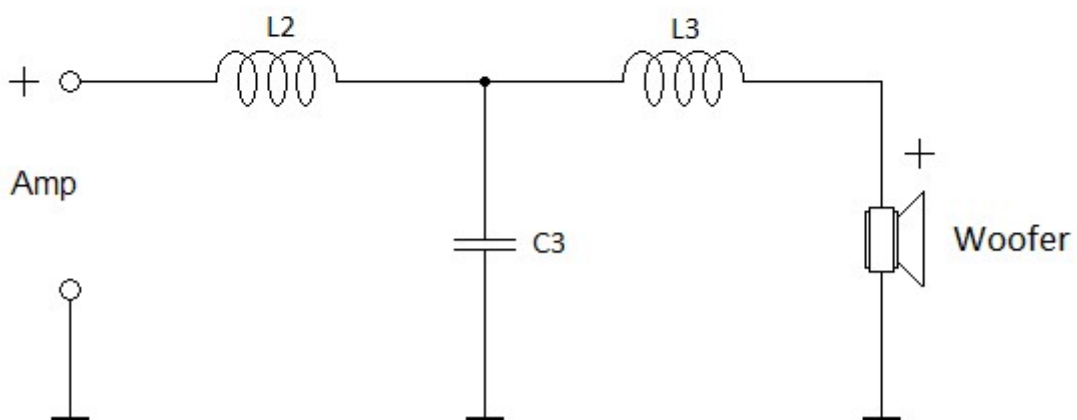
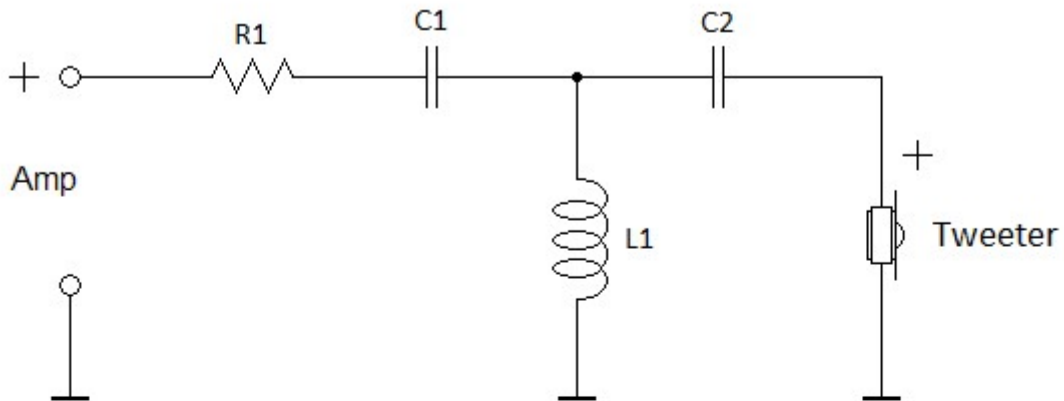
* IEC 268-5, high-pass Butterworth, 200 Hz, 12 dB/oct.



Response Curve :
 (Blue) : on axis
 (Green) : 30° off-axis

Crossovers for PFC coaxial drivers

These are simple crossovers that work well with the SB Acoustics PFC coaxial drivers. Response curves are optimized 15° off-axis. Equalization networks can be used to tweak the response, depending on the application, but such networks are not strictly necessary. The crossovers shown here ensure good summation between the drivers.



Component values							
Driver	R1	C1	C2	L1	L2	L3	C3
SB12*	2.2 Ω	5.6 μF	15 μF	0.22 mH	1.5 mH	0.39 mH	15 μF
SB13*	1.5 Ω	5.6 μF	15 μF	0.22 mH	1.5 mH	0.22 mH	15 μF
SB16*	1.5 Ω	5.6 μF	15 μF	0.22 mH	1.5 mH	0.22 mH	15 μF

* ...PFC25-4-COAX