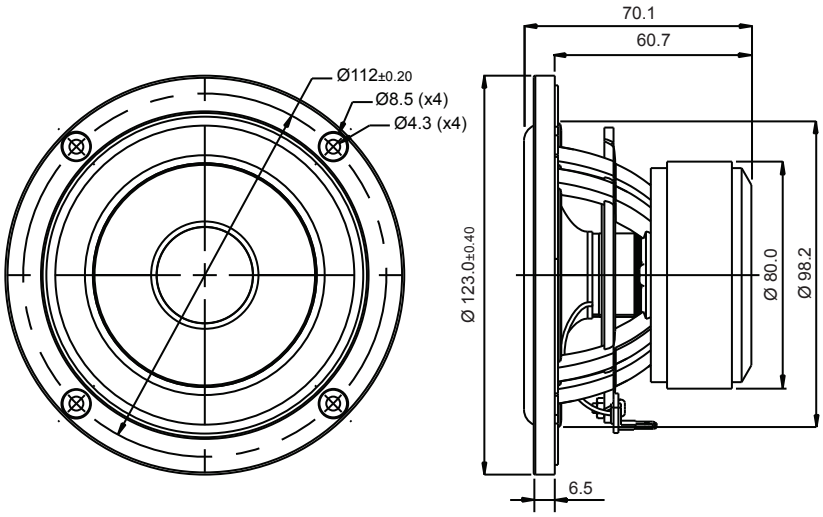
SB ACOUSTICS

4" SB12CACS25-8

Preliminary Data



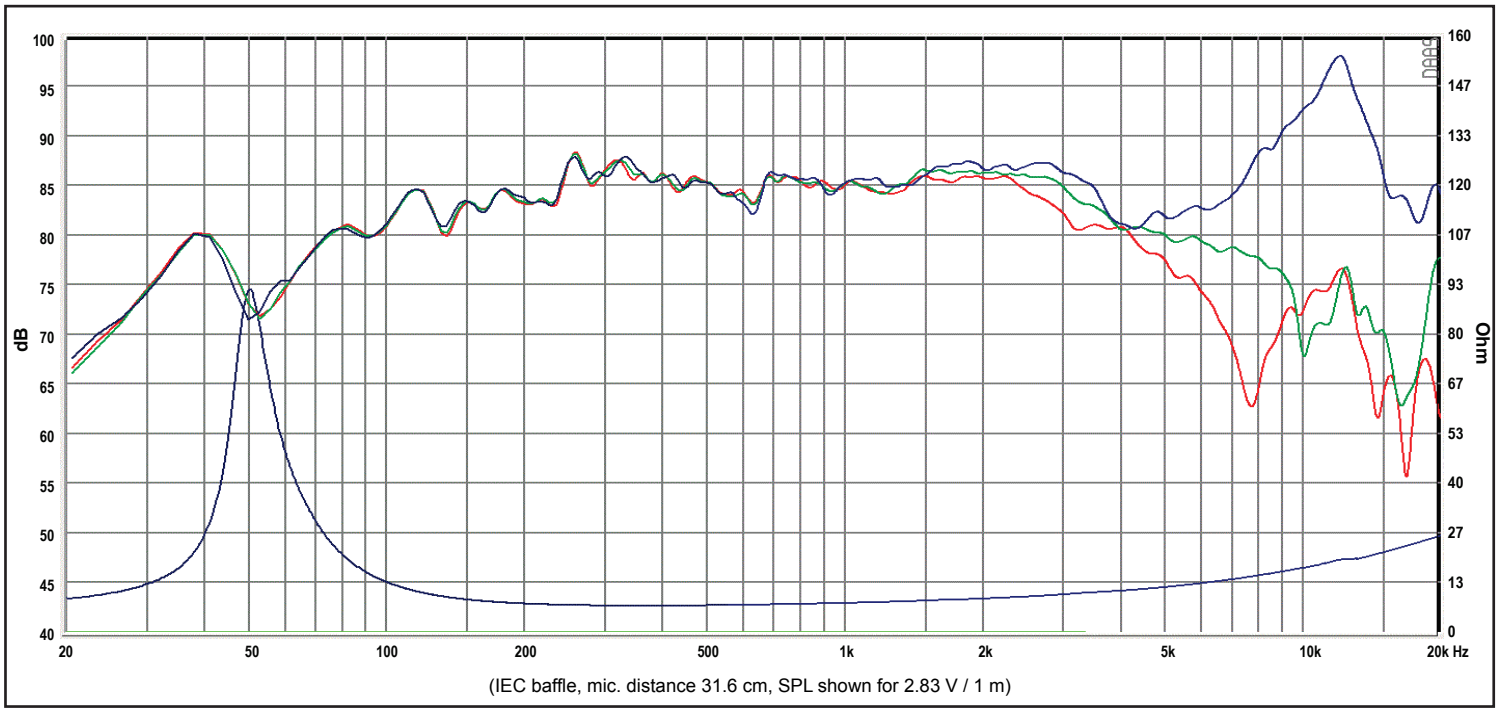
FEATURES

- Vented cast aluminum chassis for optimum strength and low compression
- Ceramic cone
- Soft low damping rubber surround for improved transient response
- Shorting ring in motor system for reduced distortion.
- Non-conducting fibre glass voice coil former for minimum damping
- CCAW voice coil for reduced moving mass
- Long life silver lead wires
- Vented pole piece for reduced compression

Specs :

Nominal Impedance	8 Ω	Free air resonance, Fs	51 Hz
DC resistance, Re	6.4 Ω	Sensitivity (2.83 V / 1 m)	85.5 dB
Voice coil inductance, Le	0.34 mH	Mechanical Q-factor, Qms	4.85
Effective piston area, Sd	50 cm^2	Electrical Q-factor, Qes	0.4
Voice coil diameter	25.4 mm	Total Q-factor, Qts	0.37
Voice coil height	15 mm	Moving mass incl.air, Mms	5.3 g
Air gap height	5 mm	Force factor, Bl	5.2 Tm
Linear coil travel (p-p)	10 mm	Equivalent volume, Vas	6.5 liters
Magnetic flux density	1.07 T	Compliance, Cms	1.84 mm/N
Magnet weight	0.40 kg	Mechanical loss, Rms	0.35 kg/s
Net weight	0.92 kg	Rated power handling*	30 W

* IEC 268-5, T/S parameters measured on drive units that are broken in.



(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

REV.1(05.10.2017)