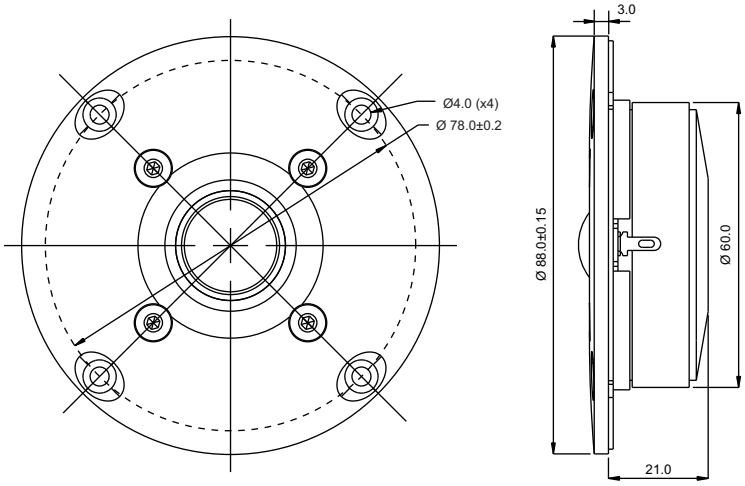
SB ACOUSTICS

SB19ST-C000-4

Preliminary data



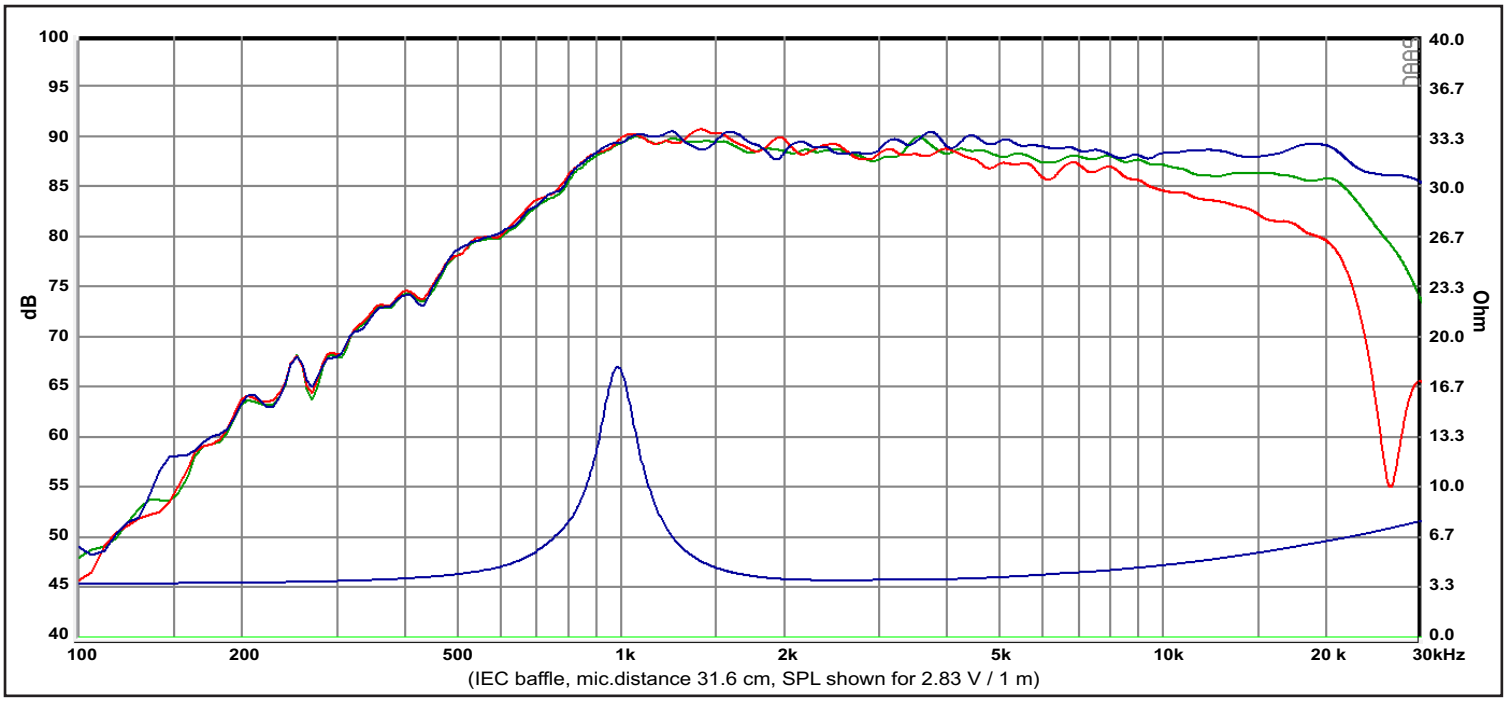
FEATURES

- Optimized damping in pole cavity to eliminate internal reflection
- Fine weave soft fabric dome for smooth frequency response
- Saturation controlled motor system for reduced distortion
- CCAW voice coil for low moving mass
- Long life silver lead wires

Specs :

Nominal Impedance	4 Ω	Free air resonance, Fs	980 Hz
DC resistance, Re	3.4 Ω	Sensitivity (2.83 V / 1 m)	88.5 dB
Voice coil inductance, Le	0.07 mH	Mechanical Q-factor, Qms	6.45
Effective piston area, Sd	3.8 cm^2	Electrical Q-factor, Qes	1.50
Voice coil diameter	19.1 mm	Total Q-factor, Qts	1.22
Voice coil height	1.8 mm	Force factor, Bl	1.75 Tm
Air gap height	3 mm	Rated power handling*	30 W
Linear coil travel (p-p)	1.2 mm	Magnetic flux density	1.24 T
Moving mass incl. air, Mms	0.22 g	Magnet weight	0.13 kg
		Net weight	0.32 kg

* IEC 268-5, high-pass Butterworth, 2600 Hz, 12 dB/oct.



Response Curve :

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

REV. 2 (23.09.2014)