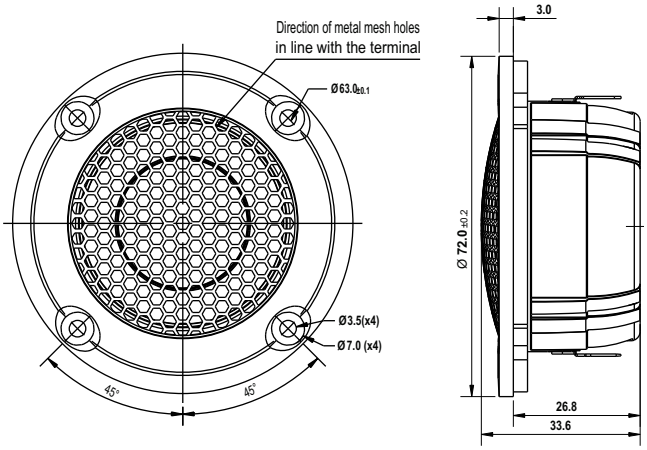
SB ACOUSTICS

SB29BNC-C000-4

Preliminary Data





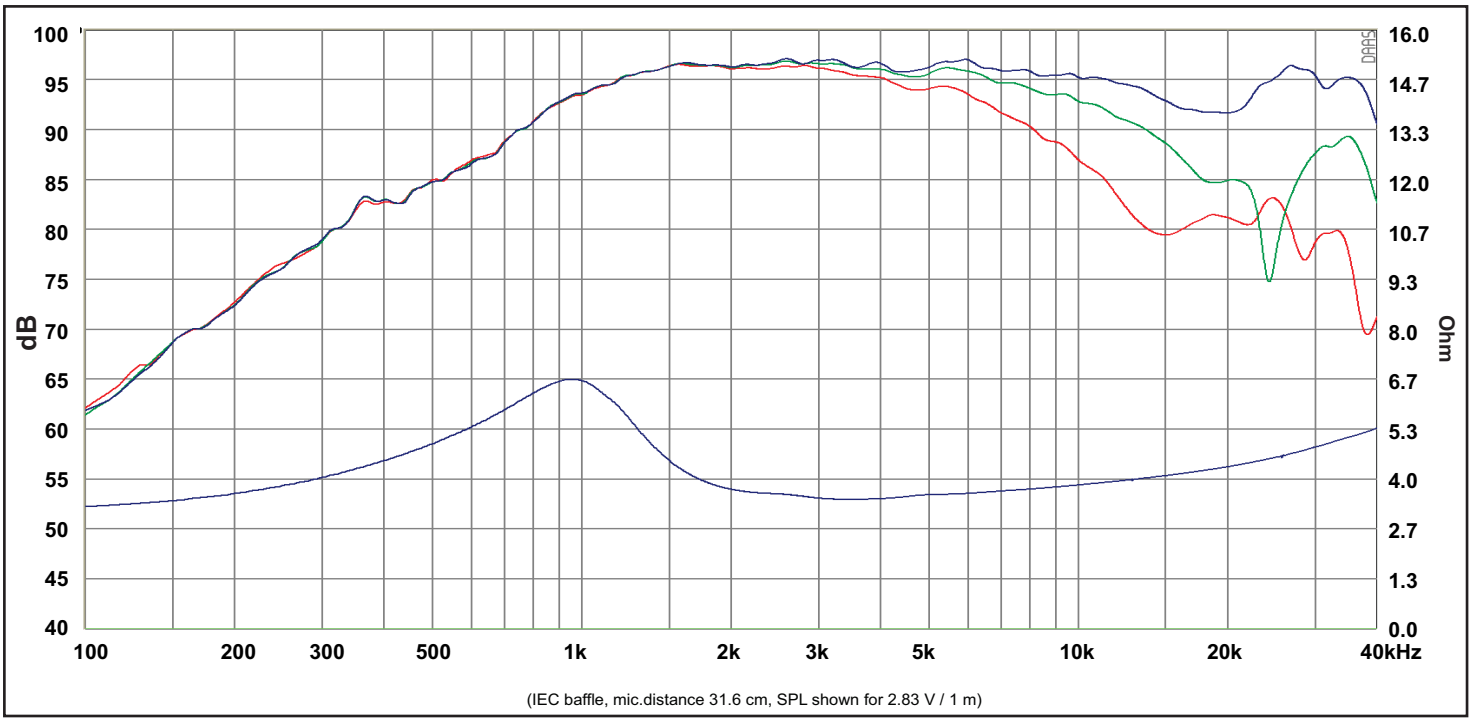
FEATURES

- Beryllium dome for non-resonant high frequency extension
- Copper cap on pole piece for reduced voice coil inductance and minimum phase shift
- CCAW voice coil for low moving mass
- Internal pressure equalization and flow resistor for non-resonant coupling of cavities
- Long life flexible lead wires
- Inherently shielded neodymium motor system
- Compact design
- Low resonance frequency

Specs :

Nominal Impedance	4 Ω	Free air resonance, Fs	950 Hz
DC resistance, Re	3.0 Ω	Sensitivity (2.83 V / 1 m)	95 dB
Voice coil inductance, Le	0.05 mH	Mechanical Q-factor, Qms	1.36
Effective piston area, Sd	9.6 cm^2	Electrical Q-factor, Qes	1.40
Voice coil diameter	29.0 mm	Total Q-factor, Qts	0.69
Voice coil height	2.0 mm	Force factor, Bl	2.6 Tm
Air gap height	2.5 mm	Rated power handling*	80 W
Linear coil travel (p-p)	0.5 mm	Magnetic flux density	1.2 T
Moving mass incl. air, Mms	0.46 g	Magnet weight	31 g
		Net weight	0.17 kg

* IEC 268-5, high-pass Butterworth, 2600 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

REV.0 (27.01.2018)