

● **SUBWOOFER model: FSB52A080-8300**

This 8inch 4ohm subwoofer driver features a strong ferrite magnet with bump bottom plate, supporting high excursion, and Al shorting ring lower coil inductance and distortion. The long-throw voice coil ensures linear high excursion. The driver offers semi-pressed paper cone and rubber surround, and a narrow-profile steel frame shaped to fit into narrow cabinets.

● **Transducer front and side images:**



● **Specifications:**

**T-S Parameters**

Resonance frequency [fs]	43.3 Hz
Mechanical Q factor [Qms]	4.22
Electrical Q factor [Qes]	0.578
Total Q factor [Qts]	0.508
Force factor [Bl]	8.99 Tm
Mechanical resistance [Rms]	3.654 kg/s
Moving mass [Mms]	56.707 g
Compliance [Cms]	0.238 mm/N
Effective diaph. diameter [D]	157 mm
Effective piston area [Sd]	193.59 cm <sup>2</sup>
Equivalent volume [Vas]	12.65 l
Sensitivity (2.83V/1m)	87 dB
Ratio Bl/√Re	5.2 N/√W
Ratio fs/Qts	85.2 Hz

**Electrical Data**

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.8 Ω
Maximum impedance [Zo]	25.5 Ω
DC resistance [Re]	3.0 Ω
Voice coil inductance [Le]	1.477 mH

**Power Handling**

100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	100 W

**Voice Coil & Magnet Data**

Voice coil diameter	30.5 mm
Voice coil height	21.7 mm
Voice coil layers	4
Height of gap	8 mm
Linear excursion	± 6.85 mm
Max mech. excursion	± - mm
Unit weight	2.145 kg

● Frequency Response / Impedance Curve:



● Transducer front and side images:

