

FR13-4

Visaton full-range speaker with an inverted surround 13 cm (5") (4800)

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General description

13 cm (5") full-range loudspeaker with an inverted cone. Uniform frequency response and powerful low-frequency output.
Simple installation e.g. in vehicles with loudspeaker mounts for 13 cm loudspeakers.

Typical applications:

- Built into cars, busses or trains
- Electronic musical instruments
- Monitoring speaker for electronic devices

Rated power 30 W

Maximum power 50 W

Nominal impedance 4 Ohm

Frequency response 65–20000 Hz

Mean sound pressure level 88 dB (1 W/1 m)

Maximum cone displacement 5 mm

Resonance frequency f_s 100 Hz

Magnetic induction 0,85 T

Magnetic flux 160 μ Wb

Height of front pole-plate 3 mm

Voice coil diameter 20 mm

Height of winding 6 mm

Cutout diameter 116 mm

Net weight 0,29 kg

D.C. resistance R_{dc} 3,4 Ohm

Mechanical Q factor Q_{ms} 5,17

Electrical Q factor Q_{es} 1,64

Total Q factor Q_{ts} 1,25

Equivalent volume V_{as} 6,1 l

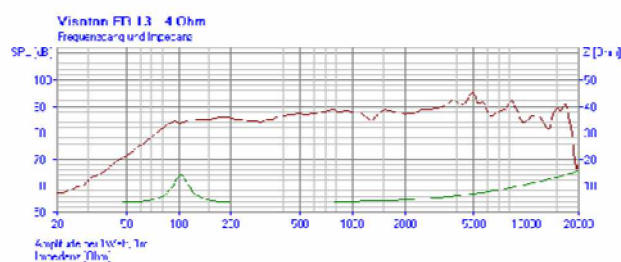
Effective piston area S_d 87 cm^2

Dynamically moved mass M_{ms} 4,5 g

Force factor B_{xl} 2,3 T m

Inductance of the voice coil L 0,2 mH

Heat resistance $-25 \dots 100 \text{ } ^\circ\text{C}$



frequency response

