

FR10-8

Visaton 10 cm (4") fullrange speaker 8 Ohm (2021)

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General description

10 cm (4") fullrange speaker with good bass reproduction, galvanized basket, balanced frequency response and high efficiency. Especially suitable as built-in speaker for music reproduction and as driver for 100 V network column speakers.

Typical applications:

- Network column speakers
- Ceiling-mounted speakers in railway carriages and buses
- Built-in car hi-fi speakers
- Electronic musical instruments

Used in / Accessories:

GRILLE 10 ES
GRILLE 10 R/134
GRILLE 10 RS

Technical Data:

Rated power 20 Watt
Maximum power 30 Watt
Nominal impedance 8 Ohm
Frequency response 80 - 20000 Hz
Mean sound pressure level 86 dB (1W/1m)
Maximum cone displacement 8 mm
Resonance frequency f_s 97 Hz
Magnetic induction 0,95 Tesla
Magnetic flux 180 μ Weber
Height of front pole-plate 3 mm
Voice coil diameter 2 cm
Height of winding 0,6 cm
Cutout diameter 10 cm
Net weight 0,38 kg
D.C. resistance R_{dc} 7,2 Ohm
Mechanical Q factor Q_{ms} 2,23
Electrical Q factor Q_{es} 1,17
Total Q factor Q_{ts} 0,77
Equivalent volume V_{as} 1,7 l
Effective piston area S_d 50 cm²
Dynamically moved mass M_{ms} 5,7 g
Force factor B_{xl} 4,61 T · m
Inductance of the voice coil L 0,55 mH