

FR 10 HM 4 OHM

Art. No. 4898

10 cm (4") fullrange speaker with tweeter [cone](#) and European standard basket. Simple fitting in vehicles with cut-outs for 10 cm speakers.

Typical applications:

- Vehicles
- Mobile homes

Attributes:

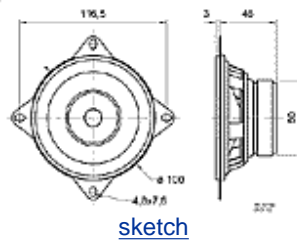
- Moisturised [cone](#)
- Metal basket

Used in / Accessories:

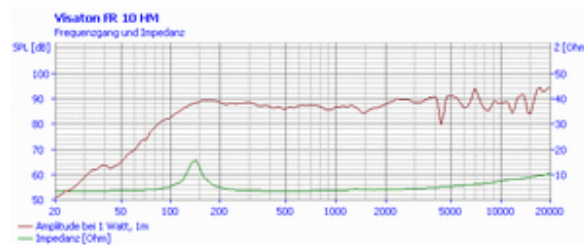
[GRILLE 10 ES](#)

[GRILLE 10 RS](#)

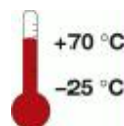
[GRILLE 10 PL](#)



[sketch](#)



[frequency- and impedance response](#)



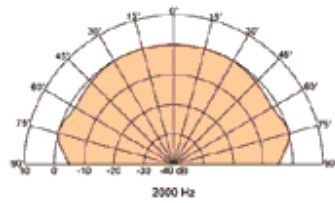
Technical Data:

Rated power	20 W
Maximum power	30 W
Nominal impedance Z	4 Ohm
Frequency response	95–22000 Hz
Mean sound pressure level	86 dB (1 W/1 m)
Maximum cone displacement	4 mm
Resonance frequency f_s	120 Hz
Magnetic induction	1,1 T
Magnetic flux	100 μ Wb
Height of front pole-plate	2 mm
Voice coil diameter	14 mm
Height of winding	5 mm
Cutout diameter	94 mm
Net weight	0,34 kg
D.C. resistance R_{dc}	3,2 Ohm
Mechanical Q factor Q_{ms}	5,35
Electrical Q factor Q_{es}	1,44
Total Q factor Q_{ts}	1,13
Equivalent volume V_{as}	2,1 l
Effective piston area S_d	50 cm ²
Dynamically moved mass M_{ms}	2,7 g
Force factor $B \cdot l$	2,1 T m

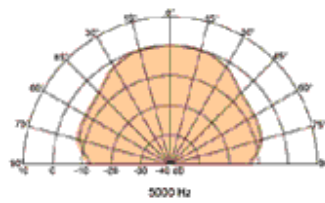
Inductance of the voice coil L	0,2 mH
Heat resistance	-25 ... 70 °C

Similar Products

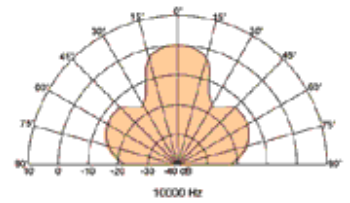
FR 10 4 OHM	FR 10 8 OHM
FR 10 F 4 OHM	FR 10 HM 8 OHM
FR 10 WP 4 OHM (black)	FR 10 WP 4 OHM (white)
FRS 10 WP 4 OHM (black)	FRS 10 WP 4 OHM (white)
FRS 10 WP 8 OHM (black)	FRS 10 WP 8 OHM (white)
R 10 S 4 OHM	R 10 S 8 OHM
R 10 SC 4 OHM	R 10 SC 8 OHM



[radiation pattern 2000 Hz](#)



[radiation pattern 5000 Hz](#)



[radiation pattern 10000 Hz](#)