

DSM50FFL

Visaton 50 mm (2") High-End titanium dome driver (1163)

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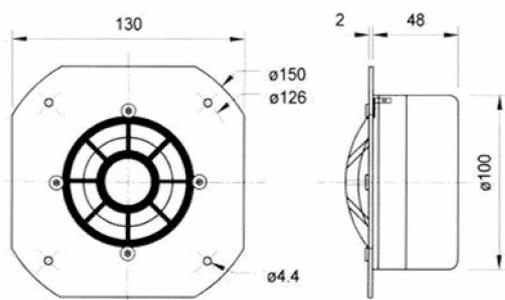


Dome driver

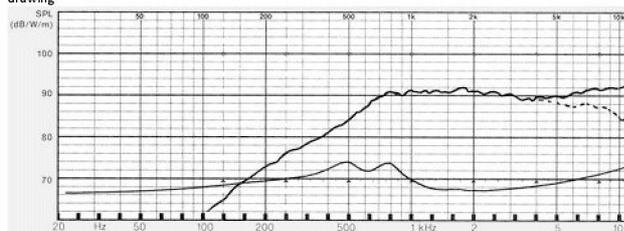
50 mm (2") High-End titanium dome driver for the midrange band between 800 - 5000 Hz. Due to the enormously strong and ultra-light titanium dome and in conjunction with a highly damped surround, linear frequency response and no partial oscillations. Due to the enormously high magnetic flux in the ferrofluid-filled air-gap a high efficiency and high power handling are possible.

Technical Data:

Nominal power handling with high pass	120 Watt (12 dB/Okt.; 800 Hz)
Peak power handling with high pass	180 Watt (12 dB/Okt.; 800 Hz)
Nominal impedance	8 Ohm
Frequency response (-10 dB)	400 - 15000 Hz
Mean sound pressure level	91 dB (1W/1m)
Resonance frequency f_s	600 Hz
Magnetic induction	1,4 Tesla
Magnetic flux	880 μ Weber
Voice coil diameter	5 cm
Cutout diameter	106 mm
Net weight	1,26 kg
D.C. resistance R_{dc}	6,4 Ohm
Mechanical Q factor Q_{ms}	0,86
Electrical Q factor Q_{es}	0,81
Total Q factor Q_{ts}	0,41
Effective piston area S_d	20 cm ²
Dynamically moved mass M_{ms}	1,1 g
Inductance of the voice coil L	0,18 mH



drawing



frequency response