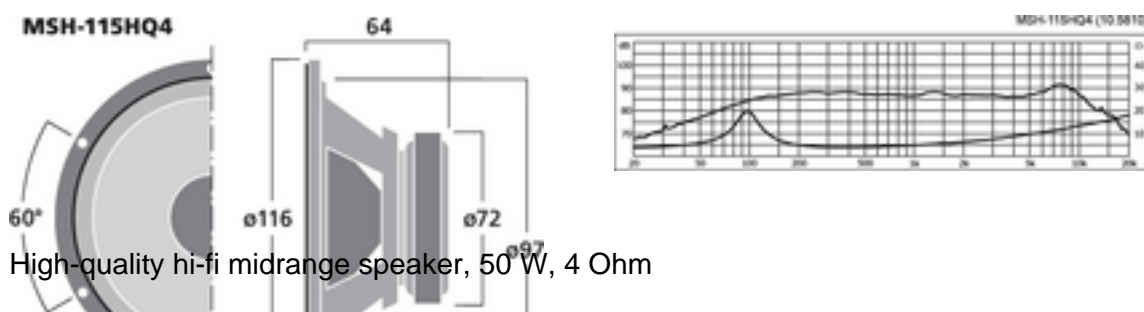


## MSH-115HQ4 - HiFi Midrange Speaker



- 115 mm (4.5") midrange speaker
- Further development of the classic speaker MSH-116/4
- Specialised for reproduction of the important midrange
- Diecast basket and rear-ventilated centering spider for minimum mechanical loss
- High-quality, low-resonance paper cone
- Wide and linear radiation range
- Also ideally suited for high-end car hi-fi systems due to 4 Ohm technology
- Particularly well suited for application in small satellite systems with subwoofer support

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"Impresses with neat workmanship and a full range application."

## Technical data:

Impedance (Z)	: 4 Ohm
Transmission technology	: -
Frequency range	: fx-8,000 Hz
Resonant frequency (fs)	: 95 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	: -
Power rating (RMS)	: 50 W
Peak music power output (MAX)	: 100 W
SPL	: 88 dB/W/m
Max. rated SPL	: -
Max. voltage	: -
Radiation angle	: -
Radiation angle, horizontal	: -
Radiation angle, vertical	: -
Suspension compl. (Cms)	: 0.4 mm/N
Moving mass (Mms)	: 5.3 g
Mech. Q factor (Qms)	: 3.49
Electr. Q factor (Qes)	: 0.71
Total Q factor (Qts)	: 0.59
Equivalent volume (Vas)	: 1.6 l
DC resistance (Re)	: 3.5 Ohm
Force factor (BxL)	: 4.20 Tm
Voice coil induct. (Le)	: 0.25 mH
Voice coil diameter	: $\tilde{\text{A}}$ 25 mm
Voice coil former	: aluminium
Linear excursion (X <sub>MAX</sub> )	: $\pm$ 2 mm
Eff. cone area (Sd)	: 55 cm <sup>2</sup>
Magnet weight	: 230 g
Magnet diameter	: $\tilde{\text{A}}$ 72 mm
Mounting cutout	: $\tilde{\text{A}}$ 97 mm
Mounting depth	: 59 mm
Mounting hole diameter	: $\tilde{\text{A}}$ 108 mm
Hole spacing X-axis	: -
Hole spacing Y-axis	: -
Dimensions	: $\tilde{\text{A}}$ 116 mm x 64 mm
Outside diameter	: $\tilde{\text{A}}$ 116 mm

Width	: Å~ 116 mm
Height	: -
Depth	: 64 mm
Colour	: black
Protective class	: -
Admiss. ambient temp.	: 0-40 °C
Weight	: 0.67 kg
Packing unit	: 1
Type of speaker	: 4.5"
Packing dimensions (W x H x L)	: 0.14 x 0.11 x 0.14 m
Gross weight	: 0.83 kg
Net weight	: 0.675 kg
Low-impedance	: 1