WOOFER MIDRANGE
VP100G0 W04PGN2551
102500H

4” - Coated paper cone
High impact polymer chassis

- Coated paper cone
- Compact woofer - Drop-in for high-end aftermarket installation
- High-loss rubber surround
- Kapton former voice coil
- Gold plated terminals
- Vented magnet system
- Non resonant, corrosion-free - High impact polymer chassis

All dimensions in mm

Response Curve

SPECIFICATIONS

Technical characteristics
Symbol Value Units

PRIMARY APPLICATION
Nominal Impedance Z 4 Ω
Resonance Frequency Fs 76.15 Hz
Nominal Power Handling P 40 W
Sensitivity (88 V @ 1W) E 87 dB

VOICE COIL
Voice Coil Diameter φ 25 mm
Minimum Impedance Zmin 3.9 Ω
DC Resistance Dcr 5.25 Ω
Voice Coil Inductance Lbm 0.22 mH
Voice Coil Length h 6.8 mm
Former - kapton -
Number of Layers n 2 -
Wire type - round -
Wire material - copper -

MAGNET
Magnet Dimensions ø x h 72 x 10 mm
Magnet Weight m 0.18 g
Flux Density B 1 T
Force Factor BL 5.63 N/A
Height of Magnetic Gap He 4 mm
Stray Flux Fmag - Am²
Linear Excursion Xmax 1.4 mm

PARAMETERS
Suspension Compliance Cms 990 μm/N
Mechanical Q Factor Qms 4.61 -
Electrical Q Factor Qes 0.52 -
Total Q Factor Qts 0.47 -
Mechanical Resistance Rms 0.45 kg m²/s
Moving Mass Mrms 4.41 g
Effective Piston Area S 50.27 cm²
Volume Equivalent of Air at Cone Vst 3.51 liters
Mass of Speaker M 490 g

Suggested Applications

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Cumulative Spectral Decay   Log Frequency - Hz