MODEL #: 165-WF04-05

6.5 INCH (165 MM) 4 OHM, HOME AND AUTOMOBILE MIDWOOFER

PART #: 93100

Choose the 93100 for a solid midwoofer replacement designed for your home or car audio systems. Experience high-quality sound reproduction, thanks to this driver’s efficiency, flat response, and low coloration.

- Midwoofer
- 6.5” (165 mm) basket diameter
- 50 watt, 4 ohm, 86 dB SPL
- 1.5” copper voice coil, Kapton former
- Ferrite magnet, stamped steel basket
- Polypropylene cone, santoprene rubber surround

MISCO engineers test and analyze the performance of these speakers using the world's most sophisticated loudspeaker measurement systems including the Klippel Analyzer and the Klippel QC, which confirm the final design.

Pair this woofer with one of our MISCO Amplifiers.

Primary Specifications

Size, Nominal (inch & mm)	6" (152 mm)
Rated Impedance (Ω)	4
Continuous Power (W)	50
Sensitivity (dB SPL) [1]	86
Frequency Range (Hz)	60 - 10, 000
Resonant Frequency (Fs) (Hz) +/- 15%	70

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More Specifications

Application	Arcade Gaming, Casino Gaming, High-End Audio and Home Theater, Home Audio, Indoor, Musical Instruments
RoHS Compliant	No
DC Resistance (Re) (Ω)	3.7
Program Power (W)	100
Continuous Power (W)	50

Small Signal Parameters

Nominal Impedance (Z) (Ω)	4
DC Resistance (Re) (Ω)	3.7
Voice Coil Inductance (Le) (mH)	0.65
Resonant Frequency (Fs) (Hz) +/- 15%	70
Mechanical Q Factor (Qms)	8.72
Electrical Q Factor (Qes)	0.75
Total Q Factor (Qts)	0.69
Moving Mass (Mms) (gm)	24.1
Suspension Compliance (Cms) (mm/N)	0.21
Mechanical Resistance (Rms) (kg/s)	1.22
Surface Area of Diaphragm (Sd) (cm^2)	136.9
Compliance Equivalent Volume (Vas) (L)	5.67
Motor Force Factor (BL) (T•M)	7.3
Efficiency (η_0) (%)	0.25
Efficiency Bandwidth Product (EBP) (Fs/Qes)	94.0

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	6.4 x 0.8 / 4.7 x 0.5
Voice Coil Diameter (mm)	38.1
Voice Coil Wire Material	Copper
Voice Coil Former Material	Kapton
Magnet Material	Ferrite
Magnet Weight (g)	567
Cone Body Material	Polypropylene
Cone Surround Material	Santoprene rubber
Dust Cap Material	Plastic
Net Weight (kg)	1.03

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