MODEL #: 127-WF04-01

5 INCH (127 MM) 4 OHM, HOME AUDIO WOOFER

PART #: 93027

MISCO Oaktron woofers like the 93027 are ideal as both driver replacements and the foundation of many DIY loudspeaker projects. High-quality bass and a smooth frequency response make this bookshelf speaker a great addition to gaming cabinets, home audio sound bars, and music sound systems with vented enclosures.

- Woofer
- 5 in. (127 mm) basket diameter
- 40 watts, 4 ohms, 89 dB SPL
- 1 in. copper voice coil, Kapton former
- Ferrite magnet, stamped steel frame
- Polypropylene cone, cloth 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)	5" (127 mm)
Rated Impedance (Ω)	4
Continuous Power (W)	40
Sensitivity (dB SPL) [1]	89
Frequency Range (Hz)	80 - 7, 000
Resonant Frequency (Fs) (Hz) +/- 15%	45

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More Specifications

Application	Arcade Gaming, High-End Audio and Home Theater, Home Audio
RoHS Compliant	No
DC Resistance (Re) (Ω)	3.4
Program Power (W)	80
Continuous Power (W)	40

Small Signal Parameters

Nominal Impedance (Z) (Ω)	4
DC Resistance (Re) (Ω)	3.4
Voice Coil Inductance (Le) (mH)	0.32
Resonant Frequency (Fs) (Hz) +/- 15%	45
Mechanical Q Factor (Qms)	4.60
Electrical Q Factor (Qes)	0.40
Total Q Factor (Qts)	0.36
Moving Mass (Mms) (gm)	7.2
Suspension Compliance (Cms) (mm/N)	1.09
Mechanical Resistance (Rms) (kg/s)	0.56
Surface Area of Diaphragm (Sd) (cm^2)	62.2
Compliance Equivalent Volume (Vas) (L)	5.97
Maximum Linear Excursion (Xmax) (mm)	1.6
Motor Force Factor (BL) (T•M)	4.7
Efficiency (η_0) (%)	0.26
Efficiency Bandwidth Product (EBP) (Fs/Qes)	113.6

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	5.2 x 0.5
Voice Coil Diameter (mm)	25.4
Voice Coil Wire Material	Copper
Voice Coil Former Material	Kapton
Magnet Material	Ferrite
Magnet Weight (g)	283.5
Cone Body Material	Polypropylene
Cone Surround Material	Treated cloth
Dust Cap Material	Polypropylene

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Net Weight (kg)	0.88



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