MODEL #: 133-WF04-01

5.25 INCH (133 MM) 4 OHM, PREMIUM WOOFER

PART #: 93029

This Oaktron woofer was designed for high quality home audio music systems and works a great solution for bookshelf design systems. This 5.25" driver includes a 20 Oz ferrite magnet, a stiff polypropylene cone, a 1" aluminum voice coil, and a lightweight aluminum basket to make a powerful speaker that's easy to install.

- Woofer
- 5.25" (133 mm) basket diameter
- 50 watts, 4 ohm, 87 dB SPL
- 1" aluminum voice coil, polyimide film former
- Large ferrite magnet, cast aluminum basket
- Polypropylene cone, molded NBR surround

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

Oaktron by MISCO is the premium line of high performance, ready-to-ship transducers for a wide variety of applications including high fidelity, musical instrument, automotive and many more. From elegantly simple to highly specialized designs for unique and demanding applications, there is an Oaktron loudspeaker perfectly suited for your needs.

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)	50
Sensitivity (dB SPL) [1]	87
Frequency Range (Hz)	38 - 9, 400
Resonant Frequency (Fs) (Hz) +/- 15%	51

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More Specifications

Application	High-End Audio and Home Theater, Home Audio
RoHS Compliant	Yes
DC Resistance (Re) (Ω)	3.5
Program Power (W)	100
Continuous Power (W)	50

Small Signal Parameters

Nominal Impedance (Z) (Ω)	4
DC Resistance (Re) (Ω)	3.5
Voice Coil Inductance (Le) (mH)	0.36
Resonant Frequency (Fs) (Hz) +/- 15%	51
Mechanical Q Factor (Qms)	5.43
Electrical Q Factor (Qes)	0.51
Total Q Factor (Qts)	0.47
Moving Mass (Mms) (gm)	10.7
Suspension Compliance (Cms) (mm/N)	0.90
Mechanical Resistance (Rms) (kg/s)	0.64
Surface Area of Diaphragm (Sd) (cm^2)	88.3
Compliance Equivalent Volume (Vas) (L)	9.88
Motor Force Factor (BL) (T•M)	4.8
Efficiency (η_0) (%)	0.25
Efficiency Bandwidth Product (EBP) (Fs/Qes)	100.8

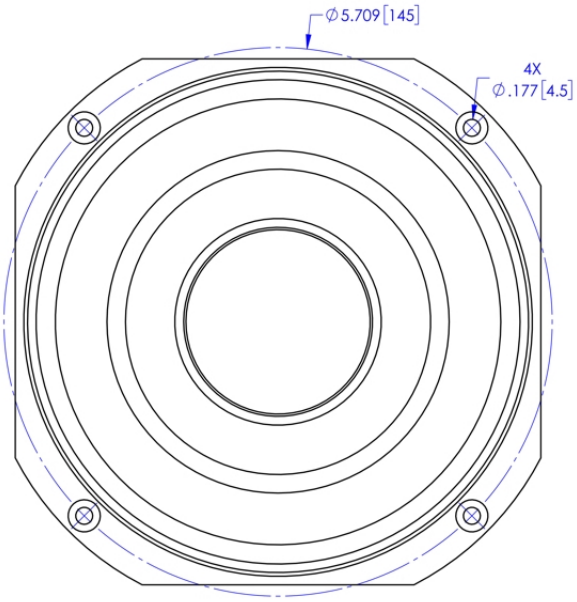
Material Descriptions

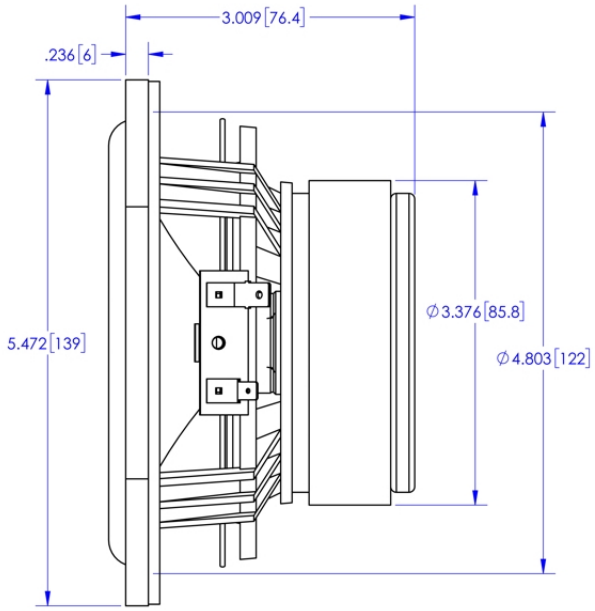
Basket Type	Die cast aluminum with black powder coat
Terminal Size (mm)	6.4 x 0.8 mm / 4.7 x 0.5 mm
Voice Coil Diameter (mm)	25.8
Voice Coil Wire Material	Aluminum
Voice Coil Former Material	Polyimide film
Magnet Material	Ferrite
Magnet Weight (g)	568
Cone Body Material	Talc filled, polypropylene
Cone Surround Material	Molded NBR
Spider Material	Conex
Dust Cap Material	Talc filled, polypropylene

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Net Weight (kg)	1.23

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