MODEL #: 133-WF08-02

5.25 INCH (133 MM) 8 OHM, HOME AUDIO WOOFER

PART #: 93033

The Oaktron 93033 combines MISCO's industry leading woofer design with robust components and materials to bring your personal sound projects to life. This woofer is ideal for systems with vented enclosures, including gaming cabinets, bookshelf speakers, and home theater systems.

- Woofer
- 5.25” (133 mm) basket diameter
- 40 watts, 8 ohms, 87 dB SPL
- 1" copper voice coil, aluminum former
- Ferrite magnet, stamped steel frame
- Paper cone, foam 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)	8
Continuous Power (W)	40
Sensitivity (dB SPL) [1]	87
Frequency Range (Hz)	40 - 4, 000
Resonant Frequency (Fs) (Hz) +/- 15%	83

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More Specifications

Application	Arcade Gaming, Home Audio
RoHS Compliant	Yes
DC Resistance (Re) (Ω)	6.7
Program Power (W)	80
Continuous Power (W)	40

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	6.7
Voice Coil Inductance (Le) (mH)	1.14
Resonant Frequency (Fs) (Hz) +/- 15%	83
Mechanical Q Factor (Qms)	9.48
Electrical Q Factor (Qes)	0.74
Total Q Factor (Qts)	0.68
Moving Mass (Mms) (gm)	15.3
Suspension Compliance (Cms) (mm/N)	0.24
Mechanical Resistance (Rms) (kg/s)	0.85
Surface Area of Diaphragm (Sd) (cm^2)	91.6
Compliance Equivalent Volume (Vas) (L)	2.84
Motor Force Factor (BL) (T•M)	8.5
Efficiency (η_0) (%)	0.21
Efficiency Bandwidth Product (EBP) (Fs/Qes)	112.6

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	4.7 x 0.5
Voice Coil Diameter (mm)	25.4
Voice Coil Wire Material	Copper
Voice Coil Former Material	Aluminum
Magnet Material	Ferrite
Magnet Weight (g)	340.2
Cone Body Material	Paper
Cone Surround Material	Polyether foam
Dust Cap Material	Paper
Net Weight (kg)	1.04

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