

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

<b>Size, Nominal (inch &amp; mm)</b>	5" (127 mm)
<b>Rated Impedance (<math>\Omega</math>)</b>	8
<b>Continuous Power (W)</b>	40
<b>Sensitivity (dB SPL) <sup>1</sup></b>	87
<b>Frequency Range (Hz)</b>	40 - 4,000
<b>Resonant Frequency (Fs) (Hz)</b>	83

### More Specifications

<b>Application</b>	Arcade Gaming, High-End Audio and Home Theater, Home Audio, Musical Instruments
<b>RoHS Compliant</b>	Yes
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	6.7
<b>Program Power (W)</b>	80
<b>Continuous Power (W)</b>	40

### Small Signal Parameters

<b>Nominal Impedance (Z) (<math>\Omega</math>)</b>	8
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	6.7
<b>Voice Coil Inductance (Le) (mH)</b>	1.14
<b>Resonant Frequency (Fs) (Hz)</b>	83
<b>Mechanical Q Factor (Qms)</b>	9.48
<b>Electrical Q Factor (Qes)</b>	0.74
<b>Total Q Factor (Qts)</b>	0.68
<b>Moving Mass (Mms) (gm)</b>	15.3
<b>Suspension Compliance (Cms) (mm/N)</b>	0.24
<b>Mechanical Resistance (Rms) (kg/s)</b>	0.85
<b>Surface Area of Diaphragm (Sd) (cm<sup>2</sup>)</b>	91.6
<b>Compliance Equivalent Volume (Vas) (L)</b>	2.84
<b>Motor Force Factor (BL) (T•M)</b>	8.5
<b>Efficiency (<math>\eta_0</math>) (%)</b>	0.21
<b>Efficiency Bandwidth Product (EBP) (Fs/Qes)</b>	112.6

### Material Descriptions

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

