MODEL #: 77-WF04-01

3 INCH (77 MM) FLAT POLYPROPYLENE CONE, MINI-WOOFER

PART #: 93008

This 3-inch mini-woofer is perfect for audio systems looking for big sound in a small package. The 93008 sports a flat, mass-adding panel alongside the polypropylene cone needed for a woofer this size to reach the lowest of frequencies in a small vented box. This speaker fits in any new sound projects looking for compact ported enclosures, ranging from voice communications to music, medical devices, gaming cabinets, and more.

- Mini-woofer
- 3 inch (77 mm) basket diameter
- 30 watts, 4 ohms, 82 dB SPL
- Dual ferrite/neodymium magnet, stamped steel basket
- Polypropylene cone, natural rubber surround

Oaktron by MISCO is a premium line of high-performance, ready-to-ship transducers and drivers for a wide variety of applications, including high fidelity, arcade and casino games, automotive, aerospace, 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.

MISCO engineers use the world's most sophisticated loudspeaker measurement systems, including the Klippel Analyzer, to maximize and validate the speaker's design, as well as the Klippel QC module to ensure perfect unit-to-unit consistency and reliability.

Pair this woofer with one of our MISCO Amplifiers.

Primary Specifications

Size, Nominal (inch & mm)	3" (77 mm)
Rated Impedance (Ω)	4
Continuous Power (W)	30
Sensitivity (dB SPL) [1]	82
Frequency Range (Hz)	74 - 2, 500
Resonant Frequency (Fs) (Hz) +/- 15%	74

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More Specifications

Application	Arcade Gaming, Casino Gaming, Voice Communications
RoHS Compliant	Yes
DC Resistance (Re) (Ω)	3.5
Program Power (W)	30
Continuous Power (W)	30

Small Signal Parameters

Nominal Impedance (Z) (Ω)	4
DC Resistance (Re) (Ω)	3.5
Voice Coil Inductance (Le) (mH)	0.40
Resonant Frequency (Fs) (Hz) +/- 15%	74
Mechanical Q Factor (Qms)	3.38
Electrical Q Factor (Qes)	0.83
Total Q Factor (Qts)	0.67
Moving Mass (Mms) (gm)	7.1
Suspension Compliance (Cms) (mm/N)	0.66
Mechanical Resistance (Rms) (kg/s)	0.98
Surface Area of Diaphragm (Sd) (cm^2)	29.2
Compliance Equivalent Volume (Vas) (L)	0.79
Motor Force Factor (BL) (T•M)	3.8
Efficiency (η_0) (%)	0.04
Efficiency Bandwidth Product (EBP) (Fs/Qes)	89.4

Material Descriptions

Basket Type	Stamped Steel
Terminal Size (mm)	5.2 mm x 0.5 mm
Voice Coil Wire Material	Aluminum
Voice Coil Former Material	Aluminum
Magnet Material	Ferrite / Neodymium
Magnet Weight (g)	147.7
Cone Body Material	Polypropylene
Cone Surround Material	Natural Rubber
Dust Cap Material	Polypropylene
Net Weight (kg)	0.44

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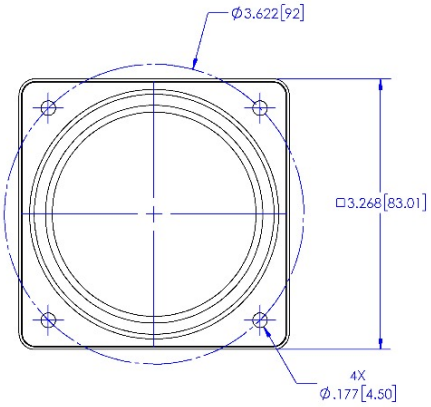

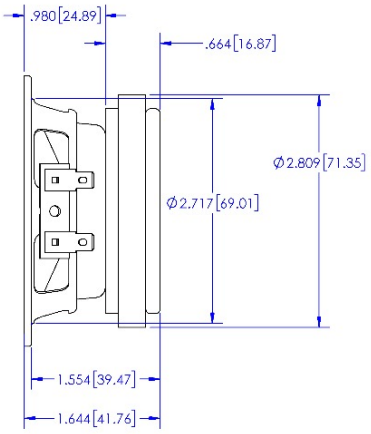

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