MODEL #: 77-MB04-01
3 INCH (77 MM), 4 OHM MINI-WOOFER
PART #: 93025

A lightweight mini-woofer designed for a variety of indoor and outdoor audio applications, including gaming, music, and medical devices. This 4 ohm, 3 inch driver includes a 2.5 Oz neodymium ring magnet, a 0.8 inch aluminum voice coil, and a flat polypropylene cone with a rubber surround for moisture and environmental resistance.

- Mini-woofer
- 3 inch (77 mm) steel basket diameter
- 20 watts, 4 ohms, 84 dB SPL
- 0.8 inch aluminum voice coil, Kapton former
- 2.5 Oz neodymium ring magnet
- Flat polypropylene cone, rubber surround

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)	20
Sensitivity (dB SPL) [1]	84
Frequency Range (Hz)	125 - 20, 000
Resonant Frequency (Fs) (Hz) +/- 15%	72

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More Specifications

Application	Arcade Gaming, Casino Gaming
RoHS Compliant	Yes
DC Resistance (Re) (Ω)	3.3
Program Power (W)	40
Continuous Power (W)	20

Small Signal Parameters

Nominal Impedance (Z) (Ω)	4
DC Resistance (Re) (Ω)	3.3
Voice Coil Inductance (Le) (mH)	0.48
Resonant Frequency (Fs) (Hz) +/- 15%	72
Mechanical Q Factor (Qms)	5.51
Electrical Q Factor (Qes)	0.77
Total Q Factor (Qts)	0.67
Moving Mass (Mms) (gm)	9.9
Suspension Compliance (Cms) (mm/N)	0.50
Mechanical Resistance (Rms) (kg/s)	0.81
Surface Area of Diaphragm (Sd) (cm^2)	29.2
Compliance Equivalent Volume (Vas) (L)	0.60
Maximum Linear Excursion (Xmax) (mm)	2.6
Coil Winding Height (mm)	9.1
Magnetic Gap Height (mm)	4
Motor Force Factor (BL) (T•M)	4.4
Efficiency (η_0) (%)	0.03
Efficiency Bandwidth Product (EBP) (Fs/Qes)	93.3

Material Descriptions

Basket Type	Stamped steel, clear zinc plated
Terminal Size (mm)	5.2 x 0.5 mm
Voice Coil Diameter (mm)	19.3802
Voice Coil Wire Material	Aluminum
Voice Coil Former Material	Kapton
Magnet Material	Neodymium
Magnet Weight (g)	1.89
Cone Body Material	Polypropylene
Cone Surround Material	Natural rubber

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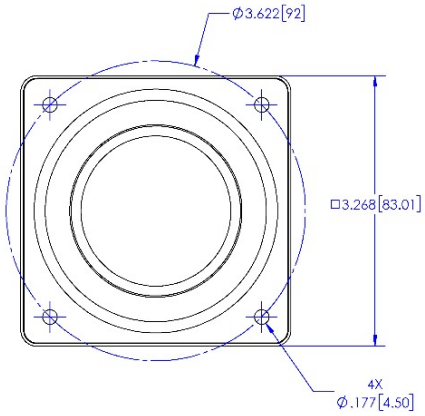
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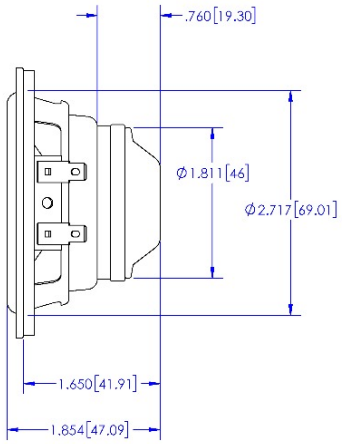
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Spider Material	Cotton / polyester
Dust Cap Material	Paper
Net Weight (kg)	0.25

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MODEL: 77-MB04-01 **P/N: 93025** **REV. A**

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