MODEL #: MC62W-4C
6.5 INCH (165 MM), 4 OHM WOOFER
PART #: 93139

A woofer designed for car audio systems, bookshelf enclosures, and other indoor listening applications. This 4 ohm, 6.5" driver includes a 28 Oz ferrite magnet, a paper cone with rubber surround for natural and responsive low frequencies, and a set of dual lug terminals for custom installation options when connecting this to your audio systems.

- Woofer
- 6.5" (165 mm) steel basket diameter
- 50 watts, 4 ohm, 87 dB SPL
- 1.5" copper voice coil, Kapton former
- 28 Oz ferrite magnet
- Paper composite 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.



Primary Specifications

Size, Nominal (inch & mm)	6" (152 mm)
Rated Impedance (Ω)	4
Continuous Power (W)	50
Sensitivity (dB SPL) [1]	87
Frequency Range (Hz)	33 - 8000
Resonant Frequency (Fs) (Hz) +/- 15%	40

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OAKTRON by MISCO

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More Specifications

Application	Auto / Motorcycle, Home Audio, Indoor
RoHS Compliant	No
DC Resistance (Re) (Ω)	3.9
Program Power (W)	100
Continuous Power (W)	50

Small Signal Parameters

Nominal Impedance (Z) (Ω)	4
DC Resistance (Re) (Ω)	3.9
Voice Coil Inductance (Le) (mH)	0.49
Resonant Frequency (Fs) (Hz) +/- 15%	40
Mechanical Q Factor (Qms)	6.66
Electrical Q Factor (Qes)	0.36
Total Q Factor (Qts)	0.34
Moving Mass (Mms) (gm)	21.15
Suspension Compliance (Cms) (mm/N)	0.71
Mechanical Resistance (Rms) (kg/s)	0.82
Surface Area of Diaphragm (Sd) (cm^2)	132.73
Compliance Equivalent Volume (Vas) (L)	17.67
Maximum Linear Excursion (Xmax) (mm)	5.4
Coil Winding Height (mm)	18.80
Magnetic Gap Height (mm)	7.92
Motor Force Factor (BL) (T•M)	7.74
Efficiency (η_0) (%)	0.33
Efficiency Bandwidth Product (EBP) (Fs/Qes)	111.11

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	5.2 x 0.5 (dual lug)
Voice Coil Diameter (mm)	38.7
Voice Coil Wire Material	Copper
Voice Coil Former Material	Kapton
Magnet Material	Ferrite
Magnet Weight (g)	793.79
Cone Body Material	Paper composite
Cone Surround Material	Rubber

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Dust Cap Material	Felt
Net Weight (kg)	2.34

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