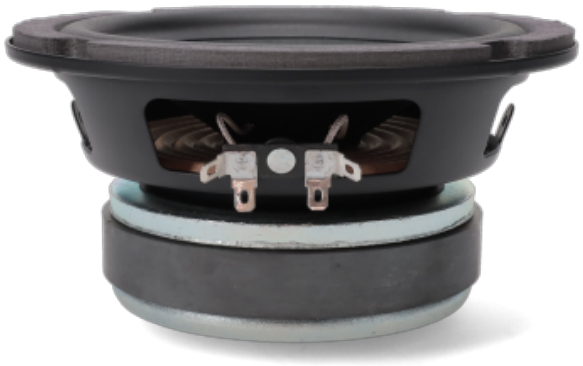
MODEL #: MC62W-8C
6.5 INCH (165 MM), 8 OHM WOOFER
PART #: 93140

A multi-purpose woofer made for a variety of audio applications—home audio, automobile sound systems, indoor cabinet enclosures, and more. This 8 ohm, 6.5" driver includes a 28 Oz ferrite magnet, a paper cone with rubber surround for natural and responsive low frequencies, as well as a set of dual lug terminals for custom installation options when connecting this to your latest sound project.

- Woofer
- 6.5 in. (165 mm) steel basket diameter
- 50 watts, 8 ohm, 84 dB SPL
- 1.5 in. 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)	8
Continuous Power (W)	50
Sensitivity (dB SPL) [1]	84
Frequency Range (Hz)	28 - 8100
Resonant Frequency (Fs) (Hz) +/- 15%	40

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More Specifications

Application	Auto / Motorcycle, Home Audio, Indoor
RoHS Compliant	No
DC Resistance (Re) (Ω)	7.6
Program Power (W)	100
Continuous Power (W)	50

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	7.6
Voice Coil Inductance (Le) (mH)	0.76
Resonant Frequency (Fs) (Hz) +/- 15%	40
Mechanical Q Factor (Qms)	6.45
Electrical Q Factor (Qes)	0.46
Total Q Factor (Qts)	0.43
Moving Mass (Mms) (gm)	20.73
Suspension Compliance (Cms) (mm/N)	0.70
Mechanical Resistance (Rms) (kg/s)	0.84
Surface Area of Diaphragm (Sd) (cm^2)	132.73
Compliance Equivalent Volume (Vas) (L)	17.49
Maximum Linear Excursion (Xmax) (mm)	5.82
Coil Winding Height (mm)	19.56
Magnetic Gap Height (mm)	7.92
Motor Force Factor (BL) (T•M)	9.52
Efficiency (η_0) (%)	0.27
Efficiency Bandwidth Product (EBP) (Fs/Qes)	86.96

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	5.2 x 0.5 (Dual lug)
Voice Coil Diameter (mm)	38.1
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