

The 93084 is a 6.5" midwoofer ideal for your next vehicle or home audio project. Experience high-quality sound, thanks to this driver's polypropylene cone -- creating a flat response, low coloration, and notable efficiency. A durable santoprene rubber surround also provides this driver with long-lasting protection against harmful UV rays and extreme temperatures, giving you a wider choice of where you can enjoy your sound systems.

- Midwoofer
- 6.5" (165 mm) basket diameter
- 50 watts, 4 ohm, 87 dB SPL
- 1" copper voice coil, Kapton former
- Ferrite magnet, stamped steel basket
- Polypropylene cone, santoprene 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.



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)	65 - 20, 000
Resonant Frequency (Fs) (Hz) +/- 15%	61

More Specifications

Application	High-End Audio and Home Theater, Home Audio
RoHS Compliant	No
DC Resistance (Re) (Ω)	3.5
Program Power (W)	100
Continuous Power (W)	50

Small Signal Parameters

Nominal Impedance (Z) (Ω)	4
DC Resistance (Re) (Ω)	3.5
Voice Coil Inductance (Le) (mH)	0.32
Resonant Frequency (Fs) (Hz) +/- 15%	61
Mechanical Q Factor (Qms)	14.31
Electrical Q Factor (Qes)	1.03
Total Q Factor (Qts)	0.96
Moving Mass (Mms) (gm)	16.5
Suspension Compliance (Cms) (mm/N)	0.42
Mechanical Resistance (Rms) (kg/s)	0.44
Surface Area of Diaphragm (Sd) (cm²)	132.7
Compliance Equivalent Volume (Vas) (L)	10.34
Maximum Linear Excursion (Xmax) (mm)	4.1
Coil Winding Height (mm)	12.7
Magnetic Gap Height (mm)	4.5
Motor Force Factor (BL) (T•M)	4.6
Efficiency (η_0) (%)	0.22
Efficiency Bandwidth Product (EBP) (Fs/Qes)	59.4

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	6.4 x 0.8 / 4.8 x 0.5
Voice Coil Diameter (mm)	25.8
Voice Coil Wire Material	Copper
Voice Coil Former Material	Kapton
Magnet Material	Ferrite
Magnet Weight (g)	340.2
Cone Body Material	Polypropylene

Cone Surround Material	Santoprene rubber
Dust Cap Material	Polypropylene
Net Weight (kg)	1.03



