MODEL #: JC5RTF-B

5 INCH (127 MM) 8 OHM, MIDRANGE SPEAKER

PART #: 93079

The Oaktron 93079 midrange driver contains a powerful ferrite magnet, a paper cone, and a vinyl treated cloth surround to give you high inteligibility sound; all in a self-enclosed basket for easy system integration into your next audio project.

- Midrange speaker
- 5” (127 mm) basket diameter
- 15 watts, 8 ohm, 100 dB SPL
- 1" copper voice coil, aluminum former
- Ferrite magnet, stamped steel basket
- Paper cone, cloth 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)	5" (127 mm)
Rated Impedance (Ω)	8
Continuous Power (W)	15
Sensitivity (dB SPL) [1]	100
Frequency Range (Hz)	400 - 8, 000
Resonant Frequency (Fs) (Hz) +/- 15%	478

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More Specifications

Application	Pro Sound
RoHS Compliant	No
DC Resistance (Re) (Ω)	6.8
Program Power (W)	30
Continuous Power (W)	15

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	6.8
Voice Coil Inductance (Le) (mH)	0.001
Resonant Frequency (Fs) (Hz) +/- 15%	478
Mechanical Q Factor (Qms)	1.89
Electrical Q Factor (Qes)	7.78
Total Q Factor (Qts)	1.78
Moving Mass (Mms) (gm)	3.9
Suspension Compliance (Cms) (mm/N)	1.51
Mechanical Resistance (Rms) (kg/s)	3.41
Surface Area of Diaphragm (Sd) (cm^2)	58.1
Compliance Equivalent Volume (Vas) (L)	0.14
Maximum Linear Excursion (Xmax) (mm)	0.9
Coil Winding Height (mm)	6.4
Magnetic Gap Height (mm)	4.5
Motor Force Factor (BL) (T•M)	5.9
Efficiency (η_0) (%)	0.14
Efficiency Bandwidth Product (EBP) (Fs/Qes)	61.5

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	Solder lugs
Voice Coil Diameter (mm)	25.81
Voice Coil Wire Material	Copper
Voice Coil Former Material	Aluminum
Magnet Material	Ferrite
Magnet Weight (g)	283.5
Cone Body Material	Paper
Cone Surround Material	Treated cloth

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Spider Material	Cotton
Dust Cap Material	Paper
Net Weight (kg)	0.86