

MODEL #: 100-WF04-01

4 INCH (100 MM) TITANIUM PLATED WOOFER

PART #: 93026

The 93026 is the best woofer for small enclosures that need a high definition midrange, and powerful bass. Use this compact, yet powerful Oaktron driver in a variety of applications, including gaming cabinets, bookshelf audio, and car sound systems.

DAK I RC

- Woofer
- 4" (100 mm) basket diameter
- 30 watts, 4 ohms, 87 dB SPL
- 1" copper voice coil, aluminum former
- Ferrite magnet, stamped steel basket
- Electroplated titanium-coated polypropylene cone, rubber surround

Oaktron by MISCO is a premium line of high performance, ready-toship transducers and raw speaker 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.

Pair this woofer with one of our MISCO Amplifiers.



Primary Specifications

| Size, Nominal (inch & mm) | 4" (100 mm) |
|--------------------------------------|-------------|
| Rated Impedance (Ω) | 4 |
| Continuous Power (W) | 30 |
| Sensitivity (dB SPL) ¹ | 87 |
| Frequency Range (Hz) | 60 - 9, 500 |
| Resonant Frequency (Fs) (Hz) +/- 15% | 86 |





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More Specifications

| Application | Arcade Gaming, Auto / Motorcycle, Casino Gaming, Home Audio, Indoor, Drive-Thru / Kiosk, Outdoor , Transit |
|---------------------------------|--|
| RoHS Compliant | Yes |
| DC Resistance (Re) (Ω) | 3.5 |
| Program Power (W) | 60 |
| Continuous Power (W) | 30 |
| | |

Small Signal Parameters

| Nominal Impedance (Z) (Ω) | 4 |
|---|-------|
| DC Resistance (Re) (Ω) | 3.5 |
| Voice Coil Inductance (Le) (mH) | 0.36 |
| Resonant Frequency (Fs) (Hz) +/- 15% | 86 |
| Mechanical Q Factor (Qms) | 6.21 |
| Electrical Q Factor (Qes) | 0.52 |
| Total Q Factor (Qts) | 0.48 |
| Moving Mass (Mms) (gm) | 8.7 |
| Suspension Compliance (Cms) (mm/N) | 0.39 |
| Mechanical Resistance (Rms) (kg/s) | 0.76 |
| Surface Area of Diaphragm (Sd) (cm²) | 55.4 |
| Compliance Equivalent Volume (Vas) (L) | 1.70 |
| Maximum Linear Excursion (Xmax) (mm) | 3.1 |
| Coil Winding Height (mm) | 12.2 |
| Magnetic Gap Height (mm) | 6.0 |
| Motor Force Factor (BL) (T•M) | 5.6 |
| Efficiency (η₀) (%) | 0.20 |
| Efficiency Bandwidth Product (EBP) (Fs/Qes) | 165.3 |

Material Descriptions

| Basket Type | Stamped steel, black powder coat |
|-----------------------------------|----------------------------------|
| Terminal Size (mm) | 5.7 x 0.5 mm |
| Voice Coil Diameter (mm) | 25.8 |
| Voice Coil Wire Material | Copper |
| Voice Coil Former Material | Aluminum |
| Magnet Material | Ferrite |
| Magnet Weight (g) | 280 (10 oz) |





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| Cone Body Material | Electroplated titanium coated polypropylene cone |
|--------------------------|--|
| Cone Surround Material | Molded rubber |
| Spider Material | Cloth |
| Dust Cap Material | Talc-filled polypropylene |
| Net Weight (kg) | 0.87 |



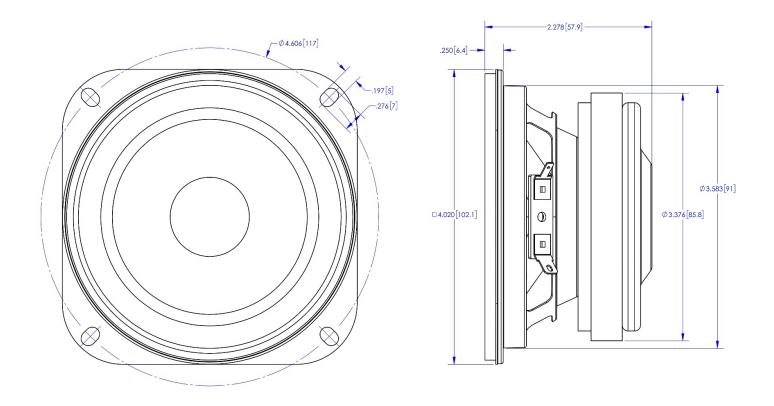








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