

This Oaktron one-inch silk dome tweeter is a prime choice for two-way speaker systems. It features a conical wave guide design for a smoother frequency response, a large rear chamber for lower frequency crossovers*, and a high-energy neodymium magnet. The faceplate features recessed mounting holes to minimize reflections from mounting screws.

- Tweeter
- 1 in. (25 mm) basket diameter
- 20 watts, 4 ohms, 87 dB SPL
- 1 in. aluminum voice coil, aluminum former
- Neodymium magnet, ABS plastic mounting plate & rear chamber
- Silk dome cone, silk 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 confirm the speaker's design, as well as the Klippel QC module to ensure perfect unit to unit consistency and reliability.

** Note: Protect your system's tweeters. Allowing lower frequencies to reach a tweeter can cause lasting damage. Use a passive or active high-pass filter (crossover) with this tweeter, and a simple first order (6 dB/octave) of a proper value capacitor to block low frequencies. MISCO suggests using a crossover that includes a capacitor and an inductor to achieve steeper low-frequency filtering of 12dB per octave. See the specifications of this tweeter for the smallest recommended crossover frequency.*

This tweeter is ideal for use in a wide variety of applications including:

- Home audio systems
- Home theater systems
- Automotive and motorcycle audio speakers
- Arcade speakers
- Casino gaming cabinets
- Smart devices and speakers



Primary Specifications

Size, Nominal (inch & mm)	1" (25 mm)
Rated Impedance (Ω)	4
Continuous Power (W)	20
Sensitivity (dB SPL) ¹	87
Frequency Range (Hz)	700 - 20,000
Resonant Frequency (Fs) (Hz) +/- 15%	735

More Specifications

Application	High-End Audio and Home Theater, Indoor, Musical Instruments, Pro Sound
RoHS Compliant	Yes
DC Resistance (Re) (Ω)	3.6
Program Power (W)	40
Continuous Power (W)	20

Small Signal Parameters

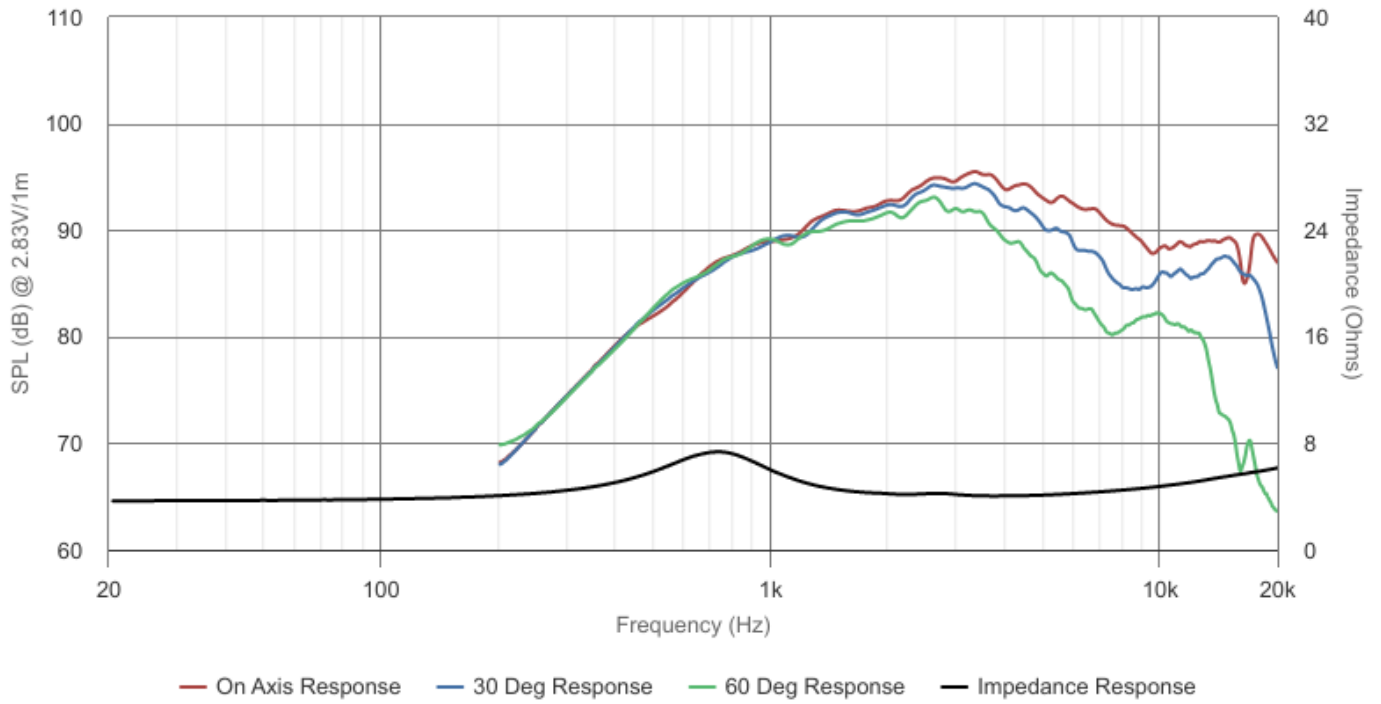
Nominal Impedance (Z) (Ω)	4
DC Resistance (Re) (Ω)	3.6
Voice Coil Inductance (Le) (mH)	0.03
Resonant Frequency (Fs) (Hz) +/- 15%	735
Mechanical Q Factor (Qms)	1.16
Electrical Q Factor (Qes)	1.29
Total Q Factor (Qts)	0.61
Moving Mass (Mms) (gm)	0.3
Suspension Compliance (Cms) (mm/N)	0.15
Mechanical Resistance (Rms) (kg/s)	1.28
Surface Area of Diaphragm (Sd) (cm²)	7.1
Compliance Equivalent Volume (Vas) (L)	0.01
Motor Force Factor (BL) (T•M)	2.1
Efficiency (η_0) (%)	0.31
Efficiency Bandwidth Product (EBP) (Fs/Qes)	571.8

Material Descriptions

Basket Type	ABS plastic mounting plate and rear chamber
Terminal Size (mm)	4.7 x 0.5 mm
Voice Coil Diameter (mm)	25
Voice Coil Wire Material	Copper clad aluminum
Voice Coil Former Material	Aluminum
Magnet Material	Neodymium
Cone Body Material	Single piece, treated silk dome - Black
Cone Surround Material	Single piece, treated silk dome - Black
Net Weight (kg)	0.09



Frequency & Impedance Response



Highcharts.com

