MODEL #: 25-TD08-01

1 INCH (25 MM) 4 OHM, SILK DOME TWEETER

PART #: 93021

The 93021 is a silk dome tweeter made for indoor systems, providing both high output, and smooth, low-distortion sound. A low resonant frequency design makes this tweeter easy to pair with high-quality woofers as well. Use this product to create top-notch line arrays within close-fitting spaces.

- Tweeter
- 1” (25 mm) basket diameter
- 20 watts, 4 ohms, 90 dB SPL
- High energy neodymium magnet
- Silk dome

MISCO engineers test and analyze the performance of these speakers using the world's most sophisticated loudspeaker measurement systems including the Klippel Analyzer and the Klippel QC, which confirm the final design.



Primary Specifications

Size, Nominal (inch & mm)	1" (25 mm)
Rated Impedance (Ω)	4
Continuous Power (W)	20
Sensitivity (dB SPL) [1]	90
Frequency Range (Hz)	650 - 20, 000
Resonant Frequency (Fs) (Hz) +/- 15%	650

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OAKTRON by MISCO

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More Specifications

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)	0.001
Resonant Frequency (Fs) (Hz) +/- 15%	650
Mechanical Q Factor (Qms)	0.73
Electrical Q Factor (Qes)	1.55
Total Q Factor (Qts)	0.72
Moving Mass (Mms) (gm)	0.3
Suspension Compliance (Cms) (mm/N)	0.87
Mechanical Resistance (Rms) (kg/s)	0.30
Surface Area of Diaphragm (Sd) (cm^2)	7.1
Compliance Equivalent Volume (Vas) (L)	0.01
Motor Force Factor (BL) (T•M)	1.9
Efficiency (η_0) (%)	0.01
Efficiency Bandwidth Product (EBP) (Fs/Qes)	418.8

Material Descriptions

Basket Type	ABS, black finish
Voice Coil Diameter (mm)	25.4
Voice Coil Wire Material	Copper
Voice Coil Former Material	Aluminum
Magnet Material	Neodymium
Magnet Weight (g)	20.4
Cone Body Material	Silk
Net Weight (kg)	0.07





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