MODEL #: OK4-T78

4 INCH (100 MM) COMMERCIAL LOUDSPEAKER, 8 WATT TRANSFORMER

PART #: 93129

The OK4-T78 is a high compliance 4” driver resistant to corrosion and moisture, attached to a 8 watt, 70 volt transformer. This compact driver is ideal for low-level distribution and paging systems looking for superior sound dispersion. A rugged steel frame and a treated cloth cone create reliable sound while remaining environmentally resistance.

- Full range speaker
- 4" (102 mm) steel basket diameter
- 15 watts, 8 ohms, 93 dB SPL
- 8 watt, 70 volt line matching transformer
- Ferrite magnet, treated cloth cone
- 3 Drill Tapped Holes, #8-32

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)	4" (100 mm)
Rated Impedance (Ω)	8
Continuous Power (W)	15
Sensitivity (dB SPL) [1]	93
Frequency Range (Hz)	60 - 20, 000
Resonant Frequency (Fs) (Hz) +/- 15%	129

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More Specifications

Application	Commercial, Indoor, Voice Communications
RoHS Compliant	No
DC Resistance (Re) (Ω)	7.1
Program Power (W)	30
Continuous Power (W)	15

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	7.1
Voice Coil Inductance (Le) (mH)	0.2
Resonant Frequency (Fs) (Hz) +/- 15%	129
Mechanical Q Factor (Qms)	5.52
Electrical Q Factor (Qes)	0.72
Total Q Factor (Qts)	0.64
Moving Mass (Mms) (gm)	3.4
Suspension Compliance (Cms) (mm/N)	0.45
Mechanical Resistance (Rms) (kg/s)	0.5
Surface Area of Diaphragm (Sd) (cm^2)	58.1
Compliance Equivalent Volume (Vas) (L)	2.14
Motor Force Factor (BL) (T•M)	5.2
Efficiency (η_0) (%)	0.61
Efficiency Bandwidth Product (EBP) (Fs/Qes)	178.17

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	4.8
Voice Coil Diameter (mm)	25.4
Voice Coil Wire Material	Copper
Voice Coil Former Material	Kraft paper
Magnet Material	Ferrite
Magnet Weight (g)	283.5
Cone Body Material	Treated cloth
Spider Material	Cotton
Dust Cap Material	Paper
Net Weight (kg)	0.99

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