MODEL #: MP-1103

4 INCH PIEZOELECTRIC, WIDE RANGE SPEAKER

PART #: 93124

The MP-1103 is an exceptional 4-inch Piezoelectric speaker renowned for its unparalleled performance in challenging environments. It is incredibly lightweight, making it the perfect choice for military use. The phenolic cone and plastic housing provide superior moisture resistance, ideal for high-humidity areas. Its piezoelectric driver is highly durable and can handle high power without the risk of burnout, making it excellent for use in MRI rooms due to its non-magnetic nature.

This speaker is a marvel of MISCO's innovation, engineered to be feather-light and powerful, delivering crystal clear voice and alarm applications without needing a voice coil or magnet.

- Unparalleled performance in demanding environments
- Lightweight and tailored for military use
- Superior moisture resistance
- Durable piezoelectric driver, ideal for use in MRI rooms
- Delivering clear voice and alarm applications without needing a voice coil or magnet

MISCO engineers use the world's most sophisticated loudspeaker measurement systems, including the Klippel Analyzer, to maximize and confirm the speaker's design and 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)	1000
Sensitivity (dB SPL) [1]	80
Frequency Range (Hz)	450 - 20, 000
Resonant Frequency (Fs) (Hz) +/- 15%	500

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More Specifications

Application	Medical, Military, Outdoor , Signal / Alarm Systems, Voice Communications
RoHS Compliant	No

Small Signal Parameters

Nominal Impedance (Z) (Ω)	1000
Voice Coil Inductance (Le) (mH)	
Resonant Frequency (Fs) (Hz) +/- 15%	500
Total Q Factor (Qts)	0.83

Material Descriptions

Basket Type	Plastic
Terminal Size (mm)	5.2 x 0.5mm (0.205" x 0.02")
Magnet Material	Piezo Element
Cone Body Material	Phenolic treated cloth - yellow
Cone Surround Material	Phenolic treated cloth - yellow
Net Weight (kg)	0.032



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