

The MISCO 2-inch full-range OEM speaker is a testament to our commitment to audio excellence. This compact yet powerful driver is tailored for demanding applications, from the precise requirements of medical device alerts to the robust needs of aerospace communication.

This speaker features a meticulously crafted paper cone and treated cloth surround, driven by a potent 1.8 Oz. Neodymium magnet, all encased in a solid steel basket. It is optimized for tight spaces, promising a dynamic audio experience across diverse frequency bands. With every unit rigorously tested for perfection, this speaker embodies MISCO's promise of reliability and superior performance.

- Compact yet powerful speaker for demanding applications
- Meticulously crafted paper cones and treated cloth surround
- Driven by a potent 1.8 Oz. Neodymium magnet
- Solid steel basket for durability
- Optimized for tight spaces and diverse frequency bands
- Rigorously tested for perfection and reliability

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

<b>Size, Nominal (inch &amp; mm)</b>	2" (50 mm)
<b>Rated Impedance (<math>\Omega</math>)</b>	4
<b>Sensitivity (dB SPL) <sup>1</sup></b>	86
<b>Frequency Range (Hz)</b>	220 - 20,000
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	220

### More Specifications

<b>Application</b>	Medical
<b>RoHS Compliant</b>	Yes
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	3.6
<b>Program Power (W)</b>	10

### Small Signal Parameters

<b>Nominal Impedance (Z) (<math>\Omega</math>)</b>	4
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	3.6
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	220
<b>Mechanical Q Factor (Qms)</b>	3.5
<b>Electrical Q Factor (Qes)</b>	2.1
<b>Total Q Factor (Qts)</b>	1.30

### Material Descriptions

<b>Basket Type</b>	Stamped steel
<b>Terminal Size (mm)</b>	2.8 x 0.5
<b>Voice Coil Diameter (mm)</b>	15.2
<b>Voice Coil Wire Material</b>	Copper
<b>Voice Coil Former Material</b>	Paper
<b>Magnet Material</b>	Neodymium
<b>Magnet Weight (g)</b>	50
<b>Cone Body Material</b>	Paper
<b>Cone Surround Material</b>	Pre-treated black cloth
<b>Dust Cap Material</b>	Paper
<b>Net Weight (kg)</b>	0.04

