

The 93082 is a 6.5" 4 ohm, coaxial speaker mounted with a 1" mylar tweeter set with an 8.4 kHz 1st order crossover. The precision design of this extended range driver allows for optimal sound production in either sealed or vented enclosures, and a Santoprene surround gives longer life to sound systems in hot and cold environments. Ideal for installing in distributed music ceiling systems, or vehicle systems looking for high-power audio and a smooth crossover.

- Extended voice and music speaker
- 6.5" (165 mm) steel basket diameter
- 25 watt, 4 ohm, 90 dB SPL
- 1" copper voice coil, Kapton former
- Mylar tweeter, coaxially mounted
- Polypropylene cone, ferrite magnet

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

<b>Size, Nominal (inch &amp; mm)</b>	6" (152 mm)
<b>Rated Impedance (<math>\Omega</math>)</b>	4
<b>Sensitivity (dB SPL) <sup>1</sup></b>	90
<b>Frequency Range (Hz)</b>	35 - 20,000
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	77

### More Specifications

<b>Application</b>	Voice Communications
<b>RoHS Compliant</b>	Yes
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	3.4
<b>Program Power (W)</b>	50

### Small Signal Parameters

<b>Nominal Impedance (Z) (<math>\Omega</math>)</b>	4
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	3.4
<b>Voice Coil Inductance (Le) (mH)</b>	0.29
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	77
<b>Mechanical Q Factor (Qms)</b>	9.03
<b>Electrical Q Factor (Qes)</b>	1.05
<b>Total Q Factor (Qts)</b>	0.94

### Material Descriptions

<b>Basket Type</b>	Stamped steel
<b>Terminal Size (mm)</b>	2.8 x 0.5
<b>Voice Coil Diameter (mm)</b>	25.781
<b>Voice Coil Wire Material</b>	High temperature copper
<b>Voice Coil Former Material</b>	Kapton
<b>Magnet Material</b>	Ferrite
<b>Magnet Weight (g)</b>	340.2
<b>Cone Body Material</b>	Polypropylene
<b>Cone Surround Material</b>	Santoprene rubber
<b>Dust Cap Material</b>	Felt
<b>Net Weight (kg)</b>	1.14

