MODEL #: 100-CX08-01

4 INCH (100 MM) 8 OHM COAXIAL SPEAKER

PART #: 93072

The 93072 is a powerful 4 in. extended range 8 ohm speaker with a coaxially mounted PEI dome tweeter, along with a sleek titanium electroplated polypropylene cone. This model can work equally well installed in sealed or vented enclosures. This speaker is ideal for music systems such as those in vehicles or arcade consoles.

- Extended range music and voice speaker
- 4 in. (100 mm) steel basket diameter
- 15 watt, 8 ohm, 88 dB SPL
- 1 in. copper voice coil, Kapton former
- PEI dome tweeter, coaxially mounted
- Titanium electroplated polypropylene cone

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)	4" (100 mm)
Rated Impedance (Ω)	8
Sensitivity (dB SPL) [1]	88
Frequency Range (Hz)	60 - 20, 000
Resonant Frequency (Fs) (Hz) +/- 15%	110

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More Specifications

RoHS Compliant	Yes
DC Resistance (Re) (Ω)	6.9
Program Power (W)	30

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	6.9
Voice Coil Inductance (Le) (mH)	0.29
Resonant Frequency (Fs) (Hz) +/- 15%	110
Mechanical Q Factor (Qms)	3.72
Electrical Q Factor (Qes)	0.74
Total Q Factor (Qts)	0.62
Moving Mass (Mms) (gm)	5.67
Suspension Compliance (Cms) (mm/N)	0.37
Mechanical Resistance (Rms) (kg/s)	1.06
Surface Area of Diaphragm (Sd) (cm^2)	52.81
Compliance Equivalent Volume (Vas) (L)	1.45
Motor Force Factor (BL) (T•M)	6.0
Efficiency (η_0) (%)	0.25
Efficiency Bandwidth Product (EBP) (Fs/Qes)	148.25

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	5.2 x 0.5 / 2.8 x 0.5
Voice Coil Diameter (mm)	25.781
Voice Coil Wire Material	High temperature copper
Voice Coil Former Material	Kapton
Magnet Material	Ferrite
Magnet Weight (g)	283.5
Cone Body Material	Titanium electroplated polypropylene
Cone Surround Material	Natural rubber
Spider Material	Cotton
Dust Cap Material	Felt
Net Weight (kg)	0.84

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