4.5 INCH (116 MM) FLAME-RETARDANT VOICE RANGE SPEAKER

PART #: P5VA-C8962

An 8 ohm, 4.5” voice range speaker with a small yet powerful lightweight alnico magnet for space-conscious avionic audio systems. This model includes a full flame-retardant treatment of its cone and surround.

- Voice range speaker
- 4.5” (116 mm) steel basket diameter
- 15 watts, 8 ohm, 90 dB SPL
- 0.6” copper voice coil, aluminum former
- 1.5 oz. alnico magnet
- Flame-retardant felted paper cone & surround

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
Sensitivity (dB SPL) [1]	90
Frequency Range (Hz)	150 - 10, 000
Resonant Frequency (Fs) (Hz) +/- 15%	190

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More Specifications

Application	Aerospace, Voice Communications
RoHS Compliant	No
Program Power (W)	30

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
Resonant Frequency (Fs) (Hz) +/- 15%	190

Material Descriptions

Basket Type	Stamped steel, zinc-plated
Terminal Size (mm)	4.7 x 0.5
Voice Coil Diameter (mm)	15.2
Voice Coil Wire Material	Copper
Voice Coil Former Material	Aluminum
Magnet Material	Alnico
Magnet Weight (g)	41.7
Cone Body Material	Flame-retardant paper
Cone Surround Material	Flame-retardant paper
Net Weight (kg)	0.26



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