4 INCH (104 MM) FLAME-RETARDANT VOICE RANGE SPEAKER

PART #: 77012

The 77012 (EEN4FR-8A) is a light-weight, efficient, and reliable audio solution for voice range sound within aerospace interior cabins. An aluminum basket and neodymium magnet reduces this speaker's weight from the more common stamped-steel basket. The wire harness connects with a 4-40 screw terminals for a strong mechanical connection without solder.

- Flame retardant, voice range speaker
- 4" (104 mm) aluminum basket diameter
- 5 watts, 8 ohm, 90 dB SPL
- 0.75" aluminum voice coil, polyimide film former
- Neodymium magnet



Primary Specifications

Size, Nominal (inch & mm)	4" (100 mm)
Rated Impedance (Ω)	8
Sensitivity (dB SPL) [1]	90
Frequency Range (Hz)	200 - 6, 000
Resonant Frequency (Fs) (Hz) +/- 15%	170

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More Specifications

Application	Aerospace, Indoor, Voice Communications
RoHS Compliant	No
DC Resistance (Re) (Ω)	7.4
Program Power (W)	15

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	7.4
Resonant Frequency (Fs) (Hz) +/- 15%	170
Total Q Factor (Qts)	0.83

Material Descriptions

Basket Type	Black Powder Coat Stamped Aluminum
Terminal Size (mm)	4.7 x 0.5
Voice Coil Diameter (mm)	14.5
Voice Coil Wire Material	Aluminum
Voice Coil Former Material	Polyimide Film
Magnet Material	Neodymium
Magnet Weight (g)	22.68
Cone Body Material	Flame Retardant Paper Composite
Cone Surround Material	Flame Retardant Cloth
Dust Cap Material	Flame Retardant Paper Composite
Net Weight (kg)	0.1

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