4 INCH, WIDE RANGE, FLAME RETARDANT AEROSPACE SPEAKER

PART #: EN4FR-1000A

This ultra-lightweight, flame-retardant speaker is designed for a 70-volt paging system in aircraft. Rather than a heavy transformer, the design utilizes a high-impedance voice coil along with resistors to allow multiple power taps. It's an ideal solution for high-intelligibility communications and in applications where weight and space must be minimized.

- 4, 2, 1, and ½ Watt taps for 70.7V system
- Maximum Energy (ME) neodymium magnet
- Flame-retardant (FR) cone
- Aluminum VC form
- 8 Watts, Program Power



Primary Specifications

Size, Nominal (inch & mm)	4" (100 mm)
Rated Impedance (Ω)	1075
Sensitivity (dB SPL) [1]	90
Frequency Range (Hz)	200 - 6, 000
Resonant Frequency (Fs) (Hz) +/- 15%	250

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More Specifications

Application	Aerospace, Voice Communications
RoHS Compliant	No
DC Resistance (Re) (Ω)	1075
Program Power (W)	8

Small Signal Parameters

Nominal Impedance (Z) (Ω)	1000
DC Resistance (Re) (Ω)	1075
Voice Coil Inductance (Le) (mH)	0
Resonant Frequency (Fs) (Hz) +/- 15%	250
Total Q Factor (Qts)	0.83

Material Descriptions

Basket Type	Stamped Aluminum, powder coat black
Terminal Size (mm)	2.8 mm x 0.5 mm
Voice Coil Diameter (mm)	20.3
Voice Coil Wire Material	Copper
Voice Coil Former Material	Aluminium
Magnet Material	Neodymium
Magnet Weight (g)	12
Cone Body Material	Flame Retardant Paper
Cone Surround Material	Flame Retardant Paper
Spider Material	Flame Retardant cloth
Dust Cap Material	Flame Retardant Paper



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