

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

<b>Size, Nominal (inch &amp; mm)</b>	4" (100 mm)
<b>Rated Impedance (<math>\Omega</math>)</b>	8
<b>Sensitivity (dB SPL) <sup>1</sup></b>	90
<b>Frequency Range (Hz)</b>	200 - 6,000
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	170

### More Specifications

<b>Application</b>	Aerospace, Indoor, Voice Communications
<b>RoHS Compliant</b>	No
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	7.4
<b>Program Power (W)</b>	15

### Small Signal Parameters

<b>Nominal Impedance (Z) (<math>\Omega</math>)</b>	8
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	7.4
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	170
<b>Total Q Factor (Qts)</b>	0.83

### Material Descriptions

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



