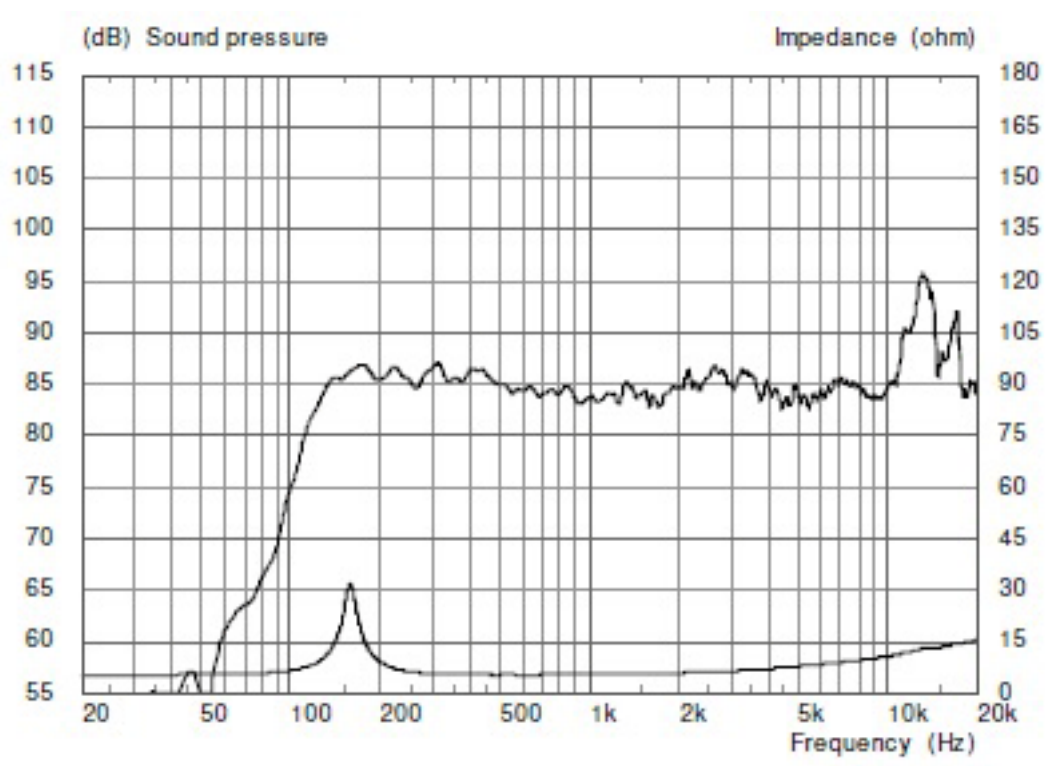
Compact Array

AN2775

Features

- Compact and lightweight, full-range neodymium loudspeakers
- Advanced Finite Element Analysis techniques used for acoustic, mechanical and electromagnetic modelling
- Ideal for applications such as portable line arrays where actively controlled wavefront (beam steering) is used
- Delivers wider dispersion to higher frequencies than many equivalent compact, full-range drivers on the market
- Chassis purpose-designed for maximum free air movement, with square mounting frame to facilitate close coupling of multiple units
- Stiff and light aluminium cone remains rigid to higher frequencies, delivering a smoother response in the critical listening band
- Half roll elastomer surround provides damping for unwanted resonances and sustained centring control at extremes of excursion
- Designed to be weather resistant for outdoor applications

8 Ω Frequency Response



General Specifications

Nominal diameter	2.75"/70mm
Power rating [1]	20Wrms
Nominal impedance	8 Ω
Sensitivity [2]	84dB
Frequency range	160Hz-20kHz
Voice coil diameter	20mm/0.75in
Chassis type	Glass reinforced ABS
Magnet type	Neodymium
Coil material	Round Copper
Former material	Polyimide
Cone material	Aluminium
Surround material	Elastomer
Xmax [3]	1.5mm/0.06in
Gap depth	3mm/0.12in
Voice coil winding width	6mm/0.24in
Voice coil material	Round Copper
Voice coil former material	Polyimide
Bandwidth	190Hz-20kHz

Small Signal Parameters

Sd	28.27cm2/4.38in2
Fs	150Hz
Mms	1.83g/0.06oz
Qms	12.21
Qes	1.67
Qts	1.47
Re	5.20 Ω
Vas	0.58lt/0.020ft3
BI	2.43
Cms	0.51mm/N
D	60mm/2.36in

Mounting Information

Overall depth	1.8"/45mm
Overall size	2.8" x 2.8"/71.3 x 71.3mm
Cut-out diameter	2.6"/66.1mm
Fitting	4 x M4 holes
Mounting PCD range	Ø3.2"/82mm
Unit weight	100g/3.53oz

1. Tested for two hours using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker tested in free air.
2. Measured on axis at 1W, 1m in 2 anechoic environment.
3. Xmax derived from: (voice coil winding width-gap depth)/2.

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