

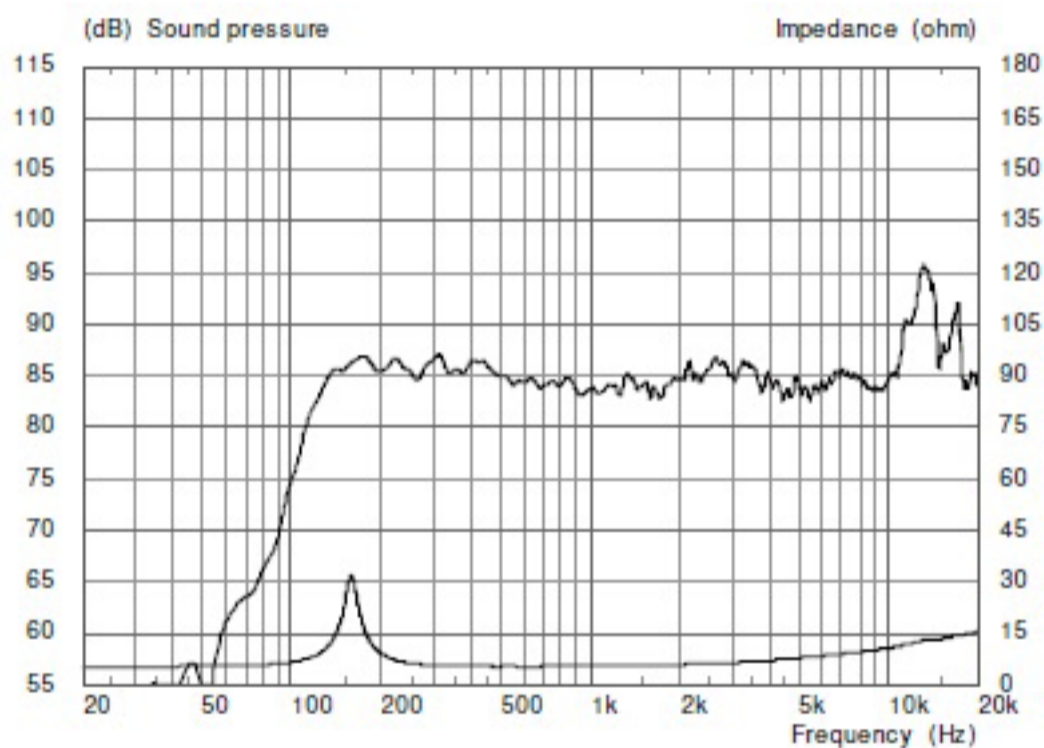
AN2775



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 Frequency Response



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.

General Specifications

| | |
|----------------------------|----------------------|
| Nominal diameter | 2.75"/70mm |
| Power rating ¹ | 20Wrms |
| Nominal impedance | 8 |
| 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 | 28.27cm ² /4.38in ² |
| Fs | 150Hz |
| Mms | 1.83g/0.06oz |
| Qms | 12.21 |
| Qes | 1.67 |
| Qts | 1.47 |
| Re | 5.20 |
| Vas | 0.58lt/0.020ft ³ |
| Bl | 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 |